

Of pressing social issues, a sensitive ecosystem and a volatile future. And how we are facing it.

Outside-Integrated
Annual Report
2021

Integrated
Annual Report
2021



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“We live in a VUCA* world.
This is a fact, and we are currently
learning how to cope with it.”

Wolfgang Litzlbauer
in Global Management Talk, February 2022,
*VUCA: Volatile, Uncertain, Complex, Ambivalent

Dear Ladies and Gentlemen!

This Annual Report is my first as President and CEO of the Umdasch Group. It is regarded as the guiding medium of our company, and it is therefore particularly important to me that it expresses how I would like to perform this role: with utmost respect to a great, successful company history and its values. At the same time, open-minded and ready to lead the Group profitably and sustainably into the next generation.

Above all, this requires a good team that is participative and oriented to achieving results. It needs a culture that approaches challenges with pleasure and is willing to go the extra mile for the sake of satisfied customers. And it needs an understanding of a world that does not do one thing for sure: run its usual course.

“Outside-In” is therefore more than just a report title. “Outside” stands for the strong geopolitical and sociopolitical forces that shape the world’s affairs. But it also stands for pressing ecological issues. And last but not least, “Outside” stands for the demands of our customers. A new, neo-ecological demand on the global economy opens up a wide range of opportunities. A current example is the situation with raw materials and the associated need for an innovative circular economy. “In” stands for the way we translate these demands into benefits and added value for our customers through innovative products, solutions and services.

This report addresses these issues by approaching all the presented content from an external perspective, to which our projects and initiatives offer possible answers.



2021 – challenging, but good

It has not been an easy year. Neither for the economy, nor for the global community, which had to struggle hard to cope with a global health crisis and its effects. Driven by very strong demand, the global economy nevertheless managed to achieve growth of 5.9 % compared to 2020. The Umdasch Group was able to participate in this growth beyond the average: Compared to sales in 2020 (€ 1.411 billion), the Group grew by 9.1 % to € 1.539 billion in 2021, which means that overall we even succeeded above pre-crisis levels. The performance figures also show an increase and thus an improvement on previous years.

The equity ratio is a particularly important benchmark for assessing the financial situation of the company. As an indicator of stability and continuity, it confirms the sustainability of our entrepreneurial activities. In addition, it is a guarantee for liquidity and thus for self-determined and independent action on the market.

2021 – new group structure as a basis

In the 2nd half of 2021, a new group structure was implemented with the aim that the three divisions Doka, umdasch The Store Makers and Umdasch Group Ventures will work much closer together in the future than before and also cooperate much stronger. The necessary structures and processes were successfully set up in the previous year. The core of the new structure is the Umdasch Group Management Board, which includes the two-member Management Board as well as the CEOs of the divisions.

“The goal of the new group structure is to bundle all forces, utilize resources and share know-how.”

Our customers benefit from this, for example in the form of joint innovations such as SiteLight (page 74). It also benefits our employees, who in the future will have access to all career opportunities offered by a group of companies. And it also benefits the divisions, which can focus on, strengthen and expand their core business through a clear, joint strategy.

2022 – the new strategic direction

In parallel with the structure, we started to develop a common Group strategy. On the one hand, it is aimed at securing and strengthening the core business, but in line with our mission “We create spaces” it will also be the starting point for entirely new business models.

Both the existing and new business have one big target picture: the life cycle of a construction project. From development, planning, construction, ongoing operation and renovation to deconstruction and recycling, the Umdasch Group and its companies want to be the best partner for their customers in every phase of the lifecycle.



Technology and sustainability as growth drivers

In terms of content, the corporate strategy is based on two key pillars. One of these is digitization, which will provide decisive momentum for greater efficiency, increased productivity, and the development of entirely new business areas in both the construction industry and the retail sector in the coming years. For ourselves, but primarily also for our customers. In addition, we will place sustainability at the center of our business activities. It is no longer enough to “just” save CO₂. We see the need to remove toxic greenhouse gases from the atmosphere as an entrepreneurial opportunity. Technologies that address this will complement our portfolio of products and services along the construction lifecycle in the future.

As you can see, dear readers, we have set our goals high. We will build on our strengths and work together step by step on the sustainable, profitable growth of the Group.

I look forward to walking this path together with you – dear customers, partners and not least our employees.

Yours Dr. Wolfgang Litzlbauer
President & CEO of Umdasch Group AG

KPI 1

Equity Ratio 59.7 %





“Together” starts with us



President & CEO
Wolfgang Litzlbauer
(WL)

Interview with the Management Board

What does together mean in your collaboration?

WL: My team already knows this because I often refer to it – for me, it’s about the WE feeling. It’s about creating a climate of trust in which everyone can develop. A climate in which success must not be hidden and performance is recognized and appreciated. An open culture that is not dominated by avoiding mistakes, but by innovation and a willingness to experiment.

GP: “Open” is a good keyword. Open even when feedback is sometimes contrary. This requires a certain resistance to conflict, because working together does not mean permanently saying yes, but also discussing. And always at eye level and with respect.

RH: Our “together” also serves as a role model. The way we work together and deal with each other influences the entire organization. You notice even in small things how strong this influence is. So together starts with ourselves – I think we’re very aware of that.

SWK: For Store Makers, creativity is essential to the business process. It primarily arises in an atmosphere that creates identity. And that’s how I see the four of us working together. In our management board meetings, a lot of things have already been created “from scratch”.

Your first successes as a team?

WL: Our joint strategy. It was primarily developed in-house, in a joint process with our functional departments. As I was still very new to my position at the time, it was by working together that I first learned how much expertise is actually available in this company. The strategy focuses, bundles and manifests this expert knowledge so that it can develop its full effect.

RH: I would also mention our culture initiative. We have decided on an approach that is not top-down, but initiated directly from within the workforce. Although there are still uncertainties and we don’t even know the outcome yet, I would describe the process as successful. It is diversely designed, collaborative, participative, and brings talent to the forefront that would be difficult to see without this bottom-up approach. That’s a success.

Keyword “strategy” – what makes it so special?

GP: For me, clearly the focus. In today’s world, you very easily run the risk of drifting off course. The world is full of possibilities and supposed opportunities. And that’s where concentration is needed – the common path that tells the entire organization: Here’s our playing field, where we can move freely. But likewise: this is where we don’t play.

RH: The strengthening of the core business. For Doka, this means formwork and the new technologies that go with it. Last year we expanded this core business to include scaffolding. The market response has been very good. So we will be pushing scaffolding as a second pillar of our core business.

WL: Good example. Our AT-PAC Doka scaffolding brand addresses completely new target groups in the lifecycle. Gerd and his team have done a great job here in both acquisition and integration. And they will continue to do so in the further development of this shareholding, which we will expand in 2022. Beyond the core areas, the strategy provides for corresponding new business. A very important value contribution to our growth will be new business models. Umdasch Group Ventures will make a decisive contribution to this. All new technologies outside our core business, including disruptive developments, will take place in our innovation hub, will be acquired or developed and brought to market maturity.

SWK: In any case, what I see as a great opportunity for the Group and, in connection with this, for the individual divisions, is the consolidation of cross-divisional tasks. For example leadership development, the digitization strategy, the pursuit of sustainability goals, and joint growth initiatives, to name a few key examples.



CFO
Gerd Pechura
(GP)

How will our customers notice that we are one company – and not three?



CEO umdasch Store Makers
Silvio W. Kirchmair
(SWK)

And our employees – what's in it for them?

SWK: It will be particularly exciting for them. Let's consider that he or she can change not only the job within the Group, but also the branch – without having to change the company. We've already seen the first successful examples in recent months.

GP: I think that will also be an argument in the battle for future employees. Above all, the many development opportunities – for young, ambitious people as well as for experienced ones. Our strategy is a growth strategy. Anyone who wants to contribute is welcome to do so. The globality of our Group opens up many opportunities, including, for example, a career abroad.

WL: Our customers will particularly benefit from the fact that in future we will be looking on their project as a whole and not just at individual segments of it. For example, when we design the energy- and cost-efficient operation of a building at the very beginning of its life cycle, when it is still in the development phase. Or thinking even further: If we have the deconstruction and recycling of building materials on our radar at this early stage, then it quickly becomes clear what benefits this will bring for the customer.

CEO Doka
Robert Hauser
(RH)



Speaking of globality. Does globalization have any future at all considering the current political events?

WL: Absolutely. But I understand the question. Many people no longer believe in living together without borders. Or in a peaceful coexistence of generations, peoples and religions. In a free and unrestricted movement of people and goods. This is understandable in view of the many disappointing and worrying events with which we have been confronted in recent years and especially at present. On the way to a free society without borders in thinking and acting, there are many hurdles and also major drawbacks that a society has to face. This makes it all the more important for us to stand up for what we have already achieved.

RH: For me, the outside-in idea plays a role in this issue as well. We can't change a political issue like the one we have in Ukraine right now from a corporate perspective. But we can react to it within our sphere of influence and do what we think is necessary and appropriate. For example, we can get our employees and their families out of the risk zone and out of the country, and support them in establishing themselves there. This has a lot to do with social responsibility. And with our understanding of sustainable entrepreneurship.

WL: In terms of this sustainability, we will in any case stick to the big, global idea. Many markets are still at the very beginning of their development. Our innovations can help to enable and accelerate progress for the people there. For example, when it comes to affordable housing, expanded infrastructure, clean energy or the construction of schools and healthcare facilities. Our mission is to create spaces and thus promote development. We will pursue and drive this forward with all our energy.

Our Idea of Sustainability?

Outside-in – or nothing at all!

We do not consider sustainability as a project, not as area responsibility and not as an isolated eco-social paradise within comfortable Western zones.

For us, sustainability means taking action wherever the possibilities of new technologies and methods find integrative answers to the necessities of an environment and society that have long since been stretched beyond their limits. These necessities are defined by the global community, which is targeting a broad spectrum of global tasks with the 17 UN Sustainable Development Goals (SDGs). In 2018, the Umdasch Group joined them.

Since then, we have been applying the SDGs to our key processes and projects.

They serve as a guideline for us and guarantee that we do not work outside of global needs and requirements, but actively participate in their solution with our products and services.

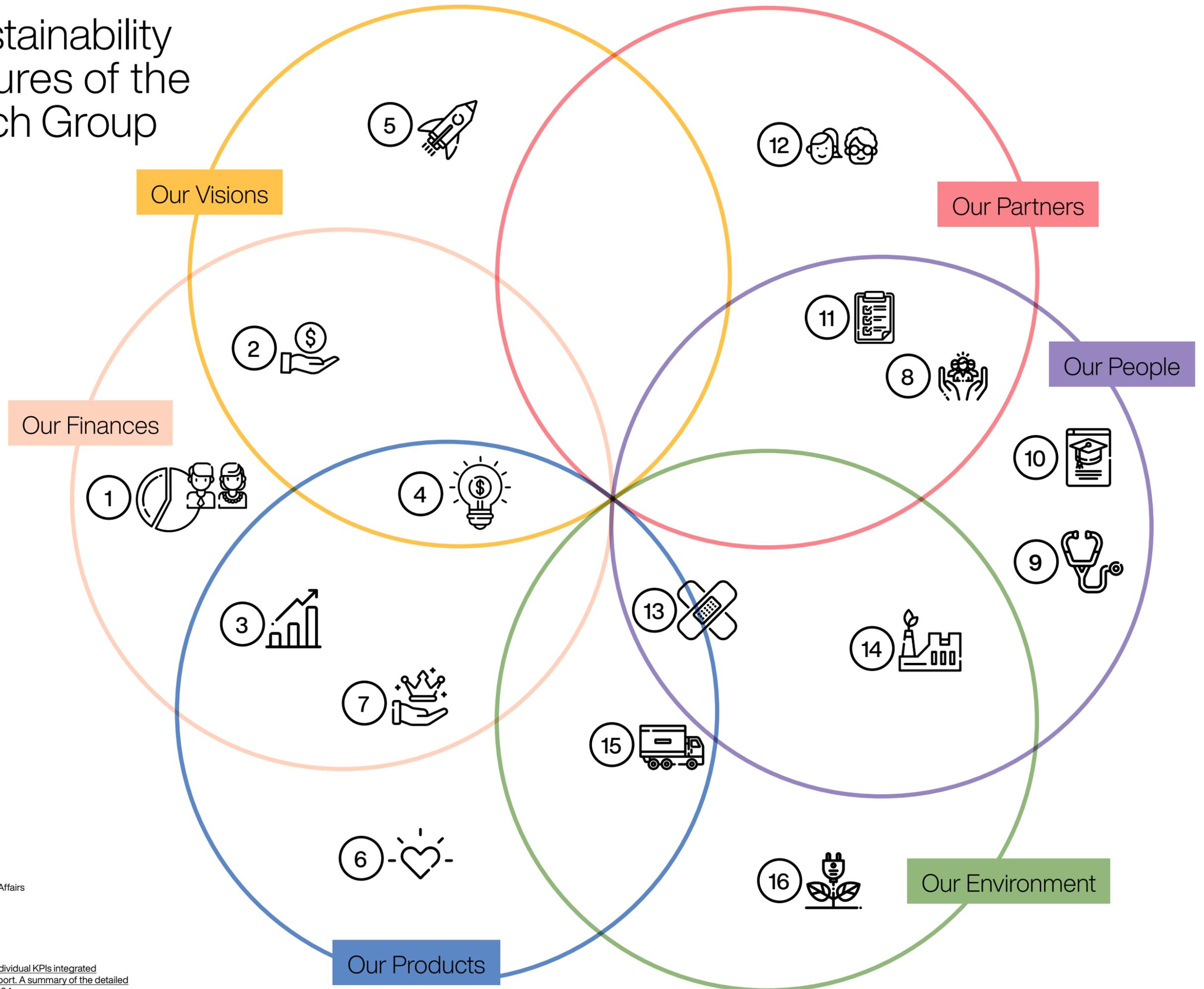
In last year's report, we presented 16 key performance indicators that measure the success of our efforts in this area. As part of our economic, ecological and social responsibility, we want to share our development transparently with you, our stakeholders. You will find the KPIs integrated into the report, precisely at the points that tell stories about how we want to positively influence their development.

Sustainable Development Goals (SDGs)



In 2015, the member states of the United Nations agreed on 17 global goals – the Sustainable Development Goals, or SDGs. They cover a broad spectrum of sustainability topics such as the war against poverty, the provision of education and health, the future viability of the economy and society, and climate and environmental protection. We have committed ourselves to linking the integrated business strategy of the Umdasch Group actively with these goals.

The Sustainability Key Figures of the Umdasch Group



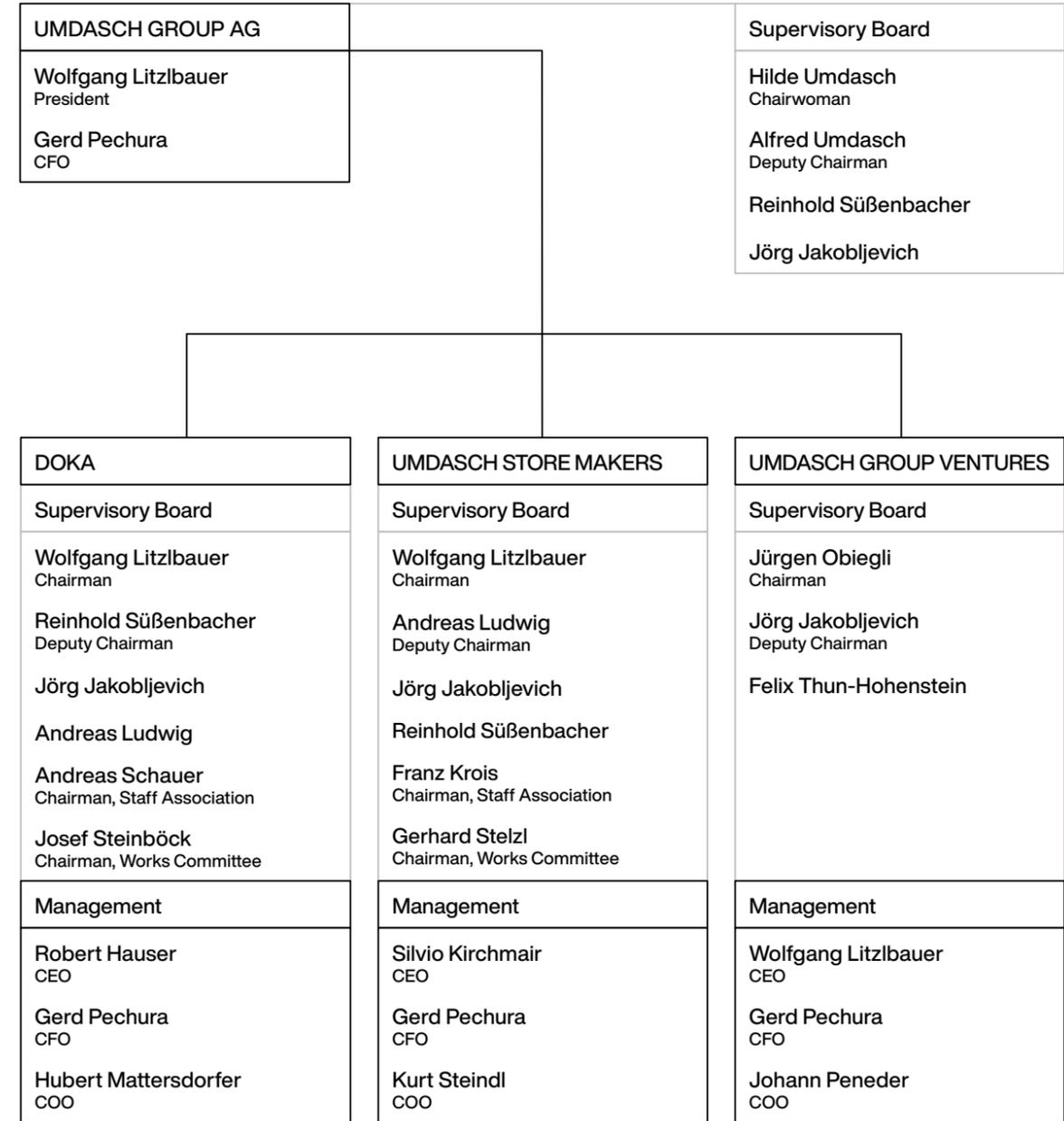
- KPIs**
1. Equity Ratio
 2. Return on Investment
 3. Return on Sales
 4. Innovation Rate
 5. Innovativeness
 6. Recommendation Rate
 7. Service Rate
 8. Voluntary Social Benefit Rate
 9. Health Ratio
 10. Education & Training Intensity
 11. Compliance Rate
 12. Spending on Society & Social Affairs
 13. Accident Ratio
 14. Eco-Efficient Investment
 15. Transport Efficiency
 16. Renewable Energy

You will find the evaluation of the individual KPIs integrated into the relevant chapters in the Report. A summary of the detailed parameters can be found on page 164.



Umdasch Group Headquarter Amstetten

Organizational Chart



How external factors influence the performance of companies



Our Finances

First the delta, then the omicron variant. A global shortage of raw materials. The accompanying inflation rate, which swept through the year in several waves. Plus a bottleneck in global logistics. Yes, 2021 was a tough one. For a second year in a row, crisis management was required. This time with a very special focus on the health of the company.

“It is not the adherence to entrepreneurial values that is conservative, but instead the acceptance of a never-changing system.”

The focus on performance indicators that stand for stability, profitability, and therefore resilience seems to have come somewhat out of fashion in the past decades. The financial community has come up with numerous hip terms that all mean one thing: debt-based financing of global growth. The low interest rate policy practiced since the 2008 financial crisis has fueled this trend.



For us, adherence to values such as stability is less a question of a zeitgeist trend. Rather, it is an expression of corporate responsibility.

Why? The mandate of our owners' family is sustainable, profitable growth. Profit is the basis of growth – and at the same time its result.

The new Umdasch Group strategy is a growth strategy that is oriented toward the future. To achieve this, we have to rethink many things. For example, previous structures and schemes, but also conventional methods and systems. At the same time, we want to hold on to what has been the basis of our success for four generations of entrepreneurs: a stable backbone that is capable of mastering crises by its own strength and of acting independently and self-determinedly.

In line with these entrepreneurial principles and values, we want to finance future growth from the profits we generate. For us, indicators such as profitability and a high equity ratio are therefore an expression of modern entrepreneurship, an agile and flexible organization and a sustainable strategy.

Gerd Pechura

KPI 2

Return on Investment 9.9%

$\frac{\text{EBIT}}{\text{Total capital}}$

Cf. 2020: 6.9 %

KPI 3

Return on Sales 11.8%

$\frac{\text{EBIT}}{\text{Sales revenues}}$

Cf. 2020: 8.8 %

Facts, Figures, Data 2021

Consolidated Financial Statement and Annual Report of the Umdasch Group AG as of 31 December 2021

General Information

The company is the central controlling company of the Umdasch Group with its three Divisions DOKA Formwork Technology, umdasch Store Makers and Umdasch Group Ventures. As the parent company the Umdasch Group AG is mainly responsible for the overall management of the companies within the group, as well as in some cases the financing and rental of properties and real estate to the subsidiary companies.

Consolidation Principles

The consolidated financial statements were prepared in accordance with the version of the Austrian Commercial Code (UGB) valid on the accounting date for large corporations, taking into account the principles of correct accounting and in accordance with the general objective of presenting a true and fair view of the assets, liabilities, financial and earnings positions of the Group. Any changes in the assessment are explained separately in the appendix. The accounting and valuation methods used in preparing the consolidated financial statements are in line with the concept of the continuation of the company.

Enclosure 2 lists all the associated companies. These companies have been taken into account in the course of the full consolidation.

The capital consolidation was effected using the book value method. Positive differences are recorded under undisclosed reserves to the greatest extent possible. The activated goodwill from the acquisition of Doka Schweiz AG will be amortized over a period of 15 years. The goodwill from the acquisition of Rauh Betonschalungen AG in 2019 will be amortized over a period of 10 years. This goodwill has been transferred to Doka Schweiz AG following the merger as of 1.1.2020. All goodwill from companies acquired by the umdasch Store Makers Group will be amortized over a period of 10 years (SEEN Media GmbH, umdasch Story Design a.s., umdasch Store Makers Croatia d.o.o., umdasch Madosan Raf Sistemleri TAS).

The negative differences identified in connection with the initial consolidation as of 1.1.1994, which resulted from the retention of profits in subsidiaries, are included under voluntary reserves. Currency translation differences are recorded directly in equity without recognition through profit and loss.

Currency translation differences that arose during the consolidation of liabilities were recognized to the income statement.

All revenues and expenses associated with the sale of goods or services between group companies are eliminated during the consolidation of income and expenses. Interest income and expenses charged between group companies are also eliminated.

Intercompany profits arising from sales between group companies are eliminated with an appropriate recognition through profit or loss.

Deferred taxes are taken into account for seasonal differences in valuation bases used for commercial law and those used for tax law with regard to interim gains of rental assets and inventories as well as differences resulting from the consolidation of liabilities. Deferred tax assets and deferred tax liabilities are reported separately.

The foreign currency translation of balance sheet items is based on the exchange rate as of the balance sheet date; the translation of items for the profit and loss statement uses the quarterly average exchange rate for 2021.

Affiliated Companies

UMDASCH GROUP

COMPANY	LOCATION	SHARE (direct+indirect)
Umdasch Group AG	AT-3300 Amstetten	
Umdasch Group Deutschland GmbH	DE-82216 Maisach	100 %
Umdasch Immobilien GmbH	AT-3300 Amstetten	100 %
Umdasch Nieruchomosci sp. Z o.o	PL-50-102 Wroclaw	100 %
Umdasch Real Estate Netherlands B.V.	NL-5928LX Venlo	100 %
Umdasch Real Eststate USA Ltd.	US-07643 Little Ferry	100 %
Umdasch Real Estate (UK) Ltd.	UK-ME10 3NH Sittingbourne	100 %
Umdasch Immobiliare S.R.L.	RO-077180 Judet ILFOV	100 %
OOO Umdasch Immob. Rus	RU-141800 Dmitrow	100 %

UMDASCH GROUP VENTURES

COMPANY	LOCATION	SHARE (direct+indirect)
NeoTwin GmbH	DE-80339 Munich	51 %
Umdasch Group Ventures GmbH	AT-3300 Amstetten	100 %
Umdasch Group NewCon GmbH	AT-3300 Amstetten	100 %
Contact GmbH	AT-3300 Amstetten	100 %
Neulandt GmbH	AT-3300 Amstetten	100 %
Neulandt Cote d'Ivoire S.A.R.L.	BP-117 Abidjan 08	100 %

DOKA GROUP

COMPANY	LOCATION	SHARE (direct+indirect)
Doka GmbH	AT-3300 Amstetten	100 %
Doka Beteiligungs-GmbH	AT-3300 Amstetten	100 %
Doka Scaffolding Trading GmbH	AT-3300 Amstetten	100 %
Doka Drevo sro	SK-97401 Banska Bystrica	100 %
OOO Doka Lipetsk	RU-399071 Lipetsk	100 %
Form-on GmbH	AT-3300 Amstetten	100 %
Form-on USA Corp.	US-FL33169 Miami Beach	100 %
Concrefy B.V.	NL-5928 Venlo	100 %
BAS GmbH Deutschland	DE-Wesel	100 %
Deutsche Doka Schalungstechnik GmbH	DE-82216 Maisach	100 %
Doka Österreich GmbH	AT-3300 Amstetten	100 %
Doka Schweiz AG	CH-8155 Niederhasli	100 %
Doka Distribution Center Apolda GmbH	DE-99510 Apolda	100 %
Doka France SAS	FR-78610 Le Perray	100 %
Doka U.K. Formwork Technologies Ltd.	UK-ME10 3NH Sittingbourne	100 %
Doka Ireland Formwork Technologies Ltd.	IE-Drogheda	100 %
Doka Nederland BV	NL-5342 PL Oss	100 %
Doka NV	BE-1740 Ternat	100 %
Doka Denmark APS	DK-4600 Koge	100 %
Doka Sverige AB	SE-45155 Uddevalla	100 %
Doka Norge AS	NO-3474 Aros	100 %
Doka Finland Oy	SF-03320 Selki	70 %
Doka Italia S.p.A.	IT-20060 Colturano MI	95 %
Doka Espana Encofrados S.A.	ES-28001 Madrid	100 %
Doka Hellas Formwork Technologies S.A	GR-15351 Pallini	100 %
Doka Israel Formwork Technology Ltd	IL-40201 Kefar Vitkin	100 %
Magyar Doka Kft	HU-1037 Budapest	100 %
Ceská Doka bednici technika spol.s.r.o.	CZ-19600 Prague	100 %
Doka Slovakia debniaca technika sro	SK-82104 Bratislava	100 %
Doka Polska Sp.z.o.o.	PL-03-046 Warszawa	100 %
Doka Eesti OÜ	EE-74206 Harjumaa	100 %
SIA Doka Latvia	LV-2167 Riga	100 %
UAB Doka Lietuva	LT-08300 Vilnius	100 %
Doka Romania Tehnica Cofrajelor S.R.L.	RO-077180 Tunari	100 %
Doka Bulgaria EOOD	BG-1588 Krivina, Sofia	100 %
OOO Doka Rus	RU-105094 Moscow	100 %
Doka Ukraine TOV	UA-04210 Kyiv	100 %
IOOO Doka Belform	BY-223013 Minsk	100 %

Doka Slovenija opazna tehnologija d.o.o.	SI-4270 Jesenice	100 %
Doka Hrvatska d.o.o.	HR-10000 Zagreb	100 %
Doka Serb d.o.o.	RS-22310 Simanovic	100 %
Doka Saudi Arabia Company Ltd	SA-22766 Jeddah	100 %
Doka Saudi Trading LLC	SA-21425 Jeddah	100 %
Advanced Formworks Company LLC	SA-21425 Jeddah	100 %
Doka Muscat LLC	OM-Muscat, Oman	100 %
Doka Kalip-Iskele Sanayi ve Ticaret A.S.	TR-41400 Gebze-Kocaeli	100 %
Doka Gulf FZE	AE-Dubai	100 %
Doka Emirates LLC	AE-Sharjah	100 %
Doka Qatar W.L.L.	QA-Doha	100 %
SARL Doka Algérie	DZ-16017 Roubia	100 %
Doka Maroc SARL AU	MA-Temara	100 %
Doka South Africa (Pty) Ltd	ZA-1619 Kempton Park	100 %
Doka Formwork Nigeria Ltd	NG-Lagos	100 %
Doka Mocambique, Lda	MZ-Maputo Cidade	100 %
Doka DC Middle East FZE	U.A.E. Dubai	100 %
Doka Egypt for Trading LLC	EG-Cairo, Masr El Gedida	100 %
Doka Egypt for Engineering Services LLC	EG-Cairo, Masr El Gedida	100 %
Doka Egypt for Imp. and Exp. LLC	EG-Cairo, Masr El Gedida	100 %
Doka USA Holding Ltd.	US-19808 Delaware	100 %
Doka USA Ltd.	US-07643 Little Ferry	100 %
Doka DC North America Ltd.	US-60410 Channahon	100 %
Doka Development LLC	US-19808 Delaware	100 %
Doka Canada Ltd	CA-Calgary	100 %
Doka Brasil Servicos de Suporte Ltda	BR-São Paulo	100 %
Doka Chile Encofrados Limitada	CL-Santiago de Chile	100 %
Doka Panama S.A.	PA-Panama City	100 %
Doka Service C. LAM S.A.	PA-Panama City	100 %
Doka México S.de R.L. de C.V.	MX-Estado de México	100 %
Doka Colombia Encofrados S.A.S	CO-Bogota	100 %
Doka Peru S.A.C.	PE-16 Lima	100 %
AT PAC Doka Chile SpA	CL-Santiago	100 %
AT PAC Doka Bolivia SRL	BO-Santa Cruz	100 %
AT PAC Doka Peru S.A.C	PE-Lima	100 %
Doka Formwork Pte. Ltd.	SG-609916 Singapore	100 %
Doka Formwork Malaysia Sdn. Bhd.	MY-47810 Petaling Jaya	100 %
Doka China Ltd.	HK-Wanchai	100 %
Doka Formwork (Shanghai) Co. Ltd.	CN-201109 Shanghai	100 %
Doka Philippines, Inc.	PH-1770 Muntinlupa City	100 %
Doka Formwork Australia Pty Ltd	AU-2566 Minton NSW	100 %
Lubeca Pty Ltd	AU-3047 Melbourne	100 %
Doka India Pvt Ltd.	IN-410210 Navi Mumbai	100 %

UMDASCH STORE MAKERS

COMPANY	LOCATION	SHARE (direct+indirect)
umdasch Store Makers Management GmbH	AT-3300 Amstetten	100 %
umdasch Store Makers Amstetten GmbH	AT-3300 Amstetten	100 %
umdasch Store Makers Leibnitz GmbH	AT-8430 Leibnitz	100 %
Assmann Ladenbau Polska Sp.z.o.o.	PL-04193 Warsaw	100 %
umdasch Digital Retail GmbH	AT-4020 Linz	100 %
umdasch Store Makers United Kingdom Ltd	GB-OX4 1JU Oxford	100 %
umdasch Store Makers Ireland Ltd	IR-Drogheda, County Louth	100 %
umdasch Store Makers Neidenstein GmbH	DE-74933 Neidenstein	100 %
umdasch Store Makers Constr.GmbH	DE-49078 Osnabrück	100 %
Umdasch Shopfitting LLC	AE-2182774 Dubai	100 %
Umdasch Shopfitting AG	CH-4802 Strengelbach	100 %
Umdasch Shopfitting Srl	IT-39100 Bolzano	100 %
umdasch Story Design a.s.	CZ-57001 Litomyšl	100 %
OOO umdasch RU	RU-140103 Moscow	100 %
Story Design Ukraine t.o.v	UA-01034 Kyiv	100 %
Story Design Invest Ukraine t.o.v	UA-01133 Kyiv	100 %
umdasch Store Makers Croatia d.o.o.	HR-10000 Zagreb	100 %
umdasch Seen Media GmbH	DE-52070 Aachen	100 %
umdasch Madosan Raf Sist. San.Ve Tic A.S.	TR-16130 Nilüfer, Bursa	55 %
umdasch Madosan Dis Ticaret A.S.	TR-16130 Nilüfer, Bursa	55 %

ASSOCIATED COMPANIES

COMPANY	LOCATION	SHARE (direct+indirect)
Contour Crafting Corporation	US-El Segundo L.A.	30 %
Shopreme GmbH	AT-8055 Graz	26 %
Sequello GmbH	AT-1100 Vienna	50 %
Doka China Sales Ltd.	HK-Hong Kong	40 %
Atlantic Pacific Equipment LLC	US-Georgia	28 %

Consolidated Income Statement

Amounts in T€		2021	2020
1.	Revenues	1,539,453	1,411,444
2.	Changes in stock of finished goods and work-in-progress	135,269	-80,053
3.	Own work capitalized	1,259	1,189
4.	Other operating income		
	a) Income from the disposal of and attribution of fixed assets	5,149	882
	b) Income from the disposal of provisions	2,434	3,173
	c) Other	37,025	36,158
		44,608	40,213
5.	Cost of material and other purchased services		
	a) Costs of goods sold and rented	-638,541	-353,231
	b) Costs for purchased services	-115,683	-108,250
		-754,224	-461,481
6.	Personnel expenses		
	a) Wages	-110,666	-110,201
	b) Salaries	-265,591	-261,712
	c) Social costs		
	aa) Expenses for pensions	-2,315	-2,568
	bb) Expenses for severance payments and payments to company savings plans	-11,290	-17,198
	cc) Expenses for statutory social insurance contributions and compulsory contributions dependent upon remuneration	-81,129	-79,556
	dd) Other social contributions	-8,092	-9,001
		-102,826	-108,323
		-479,083	-480,236
7.	Amortization of intangible assets and depreciation of tangible assets		
	a) Ordinary depreciation	-47,597	-48,693
	b) Extraordinary depreciation	-1,183	-2,924
		-48,780	-51,617
8.	Other operating expenses		
	a) Taxes except those on income and profits	-5,978	-5,906
	b) Other	-250,969	-249,640
		-256,947	-255,546
9.	OPERATING INCOME	181,555	123,913

Amounts in T€		2021	2020
10.	Income from investment securities	99	100
11.	Interest and similar income	19,945	4,886
12.	Income from the disposal and acquisition of securities in current assets	135	0
13.	Results from associated companies	-4,142	-1,942
14.	Expenses from the disposal of securities in current assets Of which amortizations 265 (previous year: 19)	-293	-22
15.	Interest and similar expenses	-14,239	-45,629
16.	NET FINANCIAL INCOME	1,505	-42,607
17.	INCOME BEFORE TAXES	183,060	81,306
18.	Taxes on income and profit		
	a) Current taxes Of which aperiodic income 5.738 (previous year: expenses - 15,331)	-44,011	-46,299
	b) Deferred taxes Of which aperiodic expenses 0 (previous year: expenses - 1,303)	-4,502	-14,246
		-48,513	-60,545
19.	NET INCOME AFTER TAXES = CONSOLIDATED ANNUAL PROFIT	134,547	20,761
20.	Result attributable to non-controlling interests	26	904
21.	Additions to reserves	-157,276	-74
22.	Profit carried forward	169,586	167,995
23.	RETAINED EARNINGS	146,883	189,586

Consolidated Statement of Changes in Equity

Amounts in T€	Capital stock	Capital reserve	Reserves	Retained earnings	Equity allocated to parent company	Non-controlling interests	Total
As of 1.1.2020	36,350	25,821	706,039	179,995	948,205	9,212	957,417
Exchange rate differences			-20,647		-20,647		-20,647
Dividends				-12,000	-12,000	-900	-12,900
Annual result				21,665	21,665	-904	20,761
Adjustments			74	-74			
Capital increases						213	213
As of 31.12.2020	36,350	25,821	685,466	189,586	937,223	7,621	944,844
Exchange rate differences			2,742		2,742	-103	2,639
Dividends				-20,000	-20,000	-900	-20,900
Annual result				134,573	134,573	-26	134,547
Adjustments			157,276	-157,276			
As of 31.12.2021	36,350	25,821	845,484	146,883	1,054,538	6,592	1,061,130

Consolidated Statement of Cash Flows

Amounts in T€	2021	2020
Net income before taxes	183,060	81,306
Ordinary depreciation	47,597	48,692
Extraordinary depreciation	1,183	2,924
Results from associated companies	4,142	1,942
Impairment charges on financial assets	265	4
Write up of tangible assets	-1,592	0
Result on sale of non-current assets	-3,225	-22
Non-operational interest and currency balance	-2,728	39,915
Other non-cash changes	-18,634	40,700
NET CASH FLOW FROM OPERATIVE RESULT	210,068	215,461
Change in		
Rental assets	-26,295	5,771
Inventories	-123,376	41,042
Accounts receivable – trade	-23,766	57,297
Receivables and other current assets, deferred expenses	-43,021	12,058
Short-term provisions	13,232	5,297
Long-term provisions	3,433	1,239
Accounts payable – trade	52,872	-16,158
Other liabilities, deferred income	-8,338	13,262
NET CASH FLOW FROM OPERATING ACTIVITIES BEFORE TAX	54,809	335,269
Tax payments	-36,550	-28,227
NET CASH FLOW FROM OPERATING ACTIVITIES	18,259	307,042
Capital expenditure on property, plant and equipment and intangible assets	-57,886	-46,713
Change in liabilities in tangible assets	1,759	-11,906
Investments in current financial assets	-900	-618
Investments in associated companies	-4,222	-11,563
Change in liabilities in financial assets (associated companies)	0	2,168
Investments in current financial assets	0	-44,930
Disposal proceeds from current financial assets	35,912	693
Payments/proceeds from company disposals/acquisitions	4,196	-3,608
Sale proceeds from fixed assets	12,520	2,469
Interest income securities fixed assets	99	100
NET CASH FLOW FROM INVESTMENT ACTIVITIES	-8,522	-113,908
Dividend payments	-20,900	-12,900
Equity contribution from minorities	0	212
Increase/decrease in short-term bank liabilities	61,647	-52,594
Increase of longer-term financial liabilities	0	30,000
Repayment of longer-term financial liabilities	-111,730	-20,886
Change in other longer-term financial liabilities	-581	1,685
Interest and currency balance from loans	2,629	-40,015
NET CASH FLOW FROM FINANCING ACTIVITIES	-68,935	-94,498
CHANGE IN CASH AND CASH EQUIVALENTS	-59,198	98,636

CASH AND CASH EQUIVALENTS (CASH IN HAND AND CREDIT BALANCE AT FINANCIAL INSTITUTIONS)	2021	2020
Balance as of 1.1.	154,239	80,314
Reallocation of cash and cash equivalents with a remaining term > 3 months	0	-21,088
Currency translation differences	1,893	-3,623
Balance as of 31.12.	96,934	154,239
EFFECTIVE CHANGE IN CASH AND CASH EQUIVALENTS	-59,198	98,636

Accounting Principles

Intangible assets are valued at acquisition cost, less ordinary straight-line amortization. IT software is amortized over three to five years, and the connection rights over ten years.

Tangible assets are recorded at acquisition or production cost, less ordinary straight-line depreciation. Production costs include the direct costs. Employee-related expenses and interest expense on debt are not capitalized.

Ordinary depreciation is calculated on a straight-line basis over the following useful lives:

Office and administrative buildings	33–50 years
Production buildings and warehouses	20–40 years
Technical equipment and machinery	5–10 years
Fixtures, furniture and office equipment	4–15 years
Motor vehicles	3–5 years

Low-value assets are written off completely in the year of addition and are shown as items both acquired and disposed of.

The shares in associated companies relate to the 30 % participation in Contour Crafting Corporation and the 40 % participation in Doka China Sales Ltd. (Hong Kong), the 26 % participation in Shopreme GmbH Austria as well as a 20 % participation in Atlantic Pacific Equipment LLC in the United States, which was increased to 27.8 % in June 2021. A 50 % participation in Sequello GmbH Austria was acquired at the end of 2021. All associated companies are consolidated using the at equity method. The differences discovered as a result of the first equity consolidation are allocated within the companies to the goodwill, existing patents and assessable expertise and are amortized over a useful life of between 5 and 17 years. There was no difference between the book value and the share of equity of Sequello GmbH at the time of first consolidation.

All remaining financial assets are valued at acquisition value. Extraordinary depreciations and appreciations are taken into account.

Rental assets are valued at Group manufacturing costs, whereby ordinary straight-line depreciation based on an estimated useful life of six to eight years or fourteen to twenty years (for products in the heavy-load sector with a very long useful life which do not come into contact with concrete) is deducted. For the scaffolding also included under this position a useful life of ten years is assumed. Additional valuation adjustments are created to reflect unusually long holding periods and special risks associated with rented formwork.

As a result of the purchase option after the completion of a short rental period, which is intended on the part of the concern and which is regularly taken advantage of by the customers, as well as the frequent purchase of used formwork from the rental assets, the various items amongst the assets for rental purposes form part of the company assets for varying lengths of time. In view of this circumstance and the considerable volume of this asset position, during the business year advantage was taken for the first time of the possibility of including an additional position in accordance with § 223 para. 4 of the Austrian Commercial Code (UGB). During the previous year this item was listed under current assets. The amounts for the previous year were adjusted accordingly.

The inventories include the valuation of raw materials and supplies at average acquisition costs or lower market values. Ancillary purchase costs and purchase price reductions are taken into account. Additional value adjustments are made in the case of excessively high ranges and special risks.

Finished goods, semi-finished goods and work-in-progress are valued at average Group production costs. These costs include direct costs as well as production-related proportional overheads. Administrative overheads, employee-related expenses and interest on debt are not included. For finished goods, provisions for quantities with long inventory coverage are made to ensure a loss-free valuation of inventories.

Receivables and other assets are valued at nominal value. Individual and general valuation adjustments were recognized as appropriate. Overdue receivables are value-adjusted with a fixed amount. As a result of the COVID-19 pandemic an adjustment from 2 % to 4 % has been made to the flat rate for the value adjustments. In addition, a value adjustment was carried out from 2020 on receivables which were not yet payable and receivables which were up to six months overdue. Foreign-currency receivables are valued at the lower of acquisition cost or market price on the balance sheet date.

Current securities are valued at the lower of acquisition cost or market price on the balance sheet date.

Provisions for deferred taxes were created to reflect the timing differences between the valuation bases used for commercial law and tax purposes as well as for consolidation entries and untaxed reserves.

Equity consists of the capital stock, the appropriated capital reserve, the statutory reserve and the net profit of the parent company Umdasch Group AG.

The provision for severance compensation and anniversary bonuses is calculated actuarially according to the PUC method ("projected unit credit method"), whereby for the purposes of calculation the pensionable age is the earliest possible eligible age for (early) retirement according to the Pension Reform Act of 2004, taking into account transitional arrangements. The calculation is based on the new pension table AVÖ 2018-P. The interest rate for calculation purposes was taken as a 7-year average value of 1.35 % (previous year: 1.60 %). The salary val-

orization was calculated with a varying 4-year average; for the termination provisions this varied in the Austrian companies in a range between 2.90 % and 3.20 %. In the case of provisions for anniversary bonuses the allowances fluctuated depending on the length of service, starting with 6.5 % during the first year of service and ending with 0.0 % from the 15th year of service.

Pension obligations were also calculated actuarially according to the PUC method. An average seven-year rate of interest of 1.35 % (previous year: 1.60 %) and a valorization of 1.50 % (qualifying period) is taken into account. The calculation is based on the new pension table AVÖ 2018-P.

The other provisions represent provisions for all risks identified at the time the financial statements were prepared as well as liabilities whose amount and reason are uncertain.

Liabilities are recorded at their repayment amount. Foreign-currency liabilities are valued at the higher of acquisition cost or market price on the balance sheet date.

Notes on the Consolidated Balance Sheet as of 31.12.2021

During 2021 the consolidation range was extended to include the newly formed companies Doka Brasil Service Center, AT PAC Doka Chile SpA, AT PAC Doka Bolivia SRL and AT PAC Doka Peru S.A.C.

As of the end of May 2021 Doka Brasil Formas para Concreto Ltda was sold and no longer forms part of the consolidation range. Furthermore, DC Latin America S.A. (Panama), Doka Distribution Center Asia Pte Ltd. (Singapore), Doka Production India Ltd., Lumus Consulting GmbH (Germany), Doka Portugal Confragens Ltd. and Doka Jordan LLC were liquidated during 2021.

The investment in intangible assets amounting to € 0.9 million applies mainly to various software products and corporate licenses in the central IT department in Amstetten.

The increase in goodwill amounting to € 5.6 million relates to the takeover of the scaffolding business in Chile and Bolivia by the previous sales companies of the AT PAC Group from the United States through an asset deal by the newly founded companies PAC Doka Chile and AT PAC Doka Bolivia.

A total of € 51.4 million was invested in tangible assets, of which € 6.6 million were invested in real estate in the United States (Florida and Texas), and € 9.4 million in property investments. Most of the latter, amounting to € 6.1 million, relates to the construction of the powder-coating facility in St. Martin, and a further € 1.2 million were invested in the location in Atlanta.

Of the almost € 13.9 million in investments in machinery, € 11.5 million were made in the production locations in Austria alone (Amstetten, St. Martin and Leibnitz). For the completion of the new powder-coating facility a further approx. € 3.3 million were invested in 2021. A total of € 6.3 million were invested in machinery for the Framax production facility.

The new additions to the fixtures, furnishings, and fittings amounting in total to € 8.2 million included approx. € 1.1 million for the modernization of the areas of ready-to-use units and equipment repairs in Austria. Furthermore most of the investments are replacement investments.

The large amounts for new additions relating to installations under construction and down payments totaling € 12.1 million refer primarily to construction investments in Apolda (Germany) amounting to € 5.2 million and investments in the Framax cutting and punching facility in St. Martin totaling € 2.9 million.

With regard to the shares in associated companies, the strategic participation in Atlantic Pacific Equipment LLC was increased during 2021 from 20 % to 27.8 %. Furthermore a 50 % participation in Sequello GmbH in Austria was also added.

The investment securities are largely used to secure pension obligations and are pledged to the beneficiaries. As a result of decreases in market value a depreciation of T€ 162 (previous year: T€ 4) occurred.

The rental assets have a book value of T€ 431,931 (previous year: T€ 398,989) and are shown this year as a separate position for the first time. To a large extent these are finished goods produced by the company itself and rented out to customers via the Doka sales structure. Additional valuation adjustments amounting to T€ 23,706 (previous year: T€ 21,372) are created to reflect unusually long holding periods and special risks.

The inventory includes finished goods and products to the value of T€ 286,505 (previous year: T€ 186,563). The finished goods belonging to Doka are produced mainly in Austria and in part in Slovakia (formwork panels). The main production locations of umdasch Store Makers are in Austria and the Czech Republic. The inventory includes value adjustments amounting to T€ 22,947 (previous year: T€ 21,150).

The trade receivables include a fixed amount of adjustments amounting to T€ 14,600 (previous year: T€ 18,074). Of the trade receivables an amount of T€ 2,950 (previous year: T€ 3,310) is secured by bills of exchange.

The other receivables mainly include receivables derived from taxes on income and earnings as well as other taxes amounting to T€ 41,858 (previous year: T€ 40,788). They also include receivables due from associated companies amounting to T€ 34,133 (previous year: T€ 2,525). Other receivables include T€ 21,808 (previous year: T€ 21,322) for amounts that will only become due and payable after the balance sheet date.

The marketable securities include exclusively bonds and pension funds with acquisition prices totaling T€ 29,453 (previous year: T€ 40,370).

The share capital remains unchanged at T€ 36,350, divided among 5 million non-par shares.

The deferred tax assets and liabilities relate to tax deferrals in accordance with § 198 para. 10 of the Austrian Commercial Code (UGB) and have been calculated on the basis of the tax rates valid in the countries concerned (currently still 25 % in Austria).

In addition, in the accounting for each country the possibility of offsetting the deferred tax assets over the next years was taken into account. Deferred tax assets and liabilities are totaled for each company on the high side in each case.

The following deferred taxes for the main balance sheet items are calculated as follows:

Amounts in T€	Deferred tax assets 31.12.2021	Deferred tax liabilities 31.12.2021	Deferred tax assets 31.12.2020	Deferred tax liabilities 31.12.2020
Fixed assets	-220	-3,054	233	-3,226
Rental assets	30,702	-16,166	30,297	-8,144
Reserves	8,416	1,877	7,587	923
Receivables	3,744	2,695	4,936	2,031
Staff provisions	6,453	483	5,181	192
Other provisions	1,847	-748	2,424	-1,109
Valuation reserves	-942	-7,658	-947	-5,512
Losses carried forward	5,454	2,966	5,740	2,754
Other	-3,234	2,783	-2,224	-168
Deferred tax according to balance sheet	52,220	-16,822	53,227	-12,259

Notes to the Consolidated Income Statement 2021

Other provisions

Amounts in T€	2021	2020
Provision for anniversary bonuses	9,189	8,298
Other staff-related provisions	56,540	49,647
Provision for guarantees and warranties	9,472	8,829
Provision for order-related finishing work	12,556	11,145
Provision for buy-back obligations	7,677	5,120
Provision for income deductions	8,498	7,744
Provision for missing invoices	16,879	11,390
Provision for potential losses from pending claims	3,416	6,816
Provision for third-party commissions	920	2,065
Other miscellaneous provisions	22,345	19,250
Total other provisions	147,492	130,304

The liabilities due to financial institutions include T€ 22,500 (previous year: T€ 36,605) with a remaining term of more than 5 years. Of the liabilities due to financial institutions with a remaining term of up to 1 year, T€ 57,164 (previous year: T€ 57,164) result from export financing with revolving character.

The accounts payable trade include T€ 7,128 (previous year: T€ 5,370) liability for investments as well as liabilities towards associated companies amounting to T€ 9,000 (previous year: T€ 168).

The remaining liabilities include an amount of T€ 2,169 (previous year: T€ 2,169) liabilities towards associated companies. The remaining liabilities include T€ 17,065 (previous year: T€ 25,260) expenses that will only become due and payable after the balance sheet date.

The contingent liabilities arising from bank guarantees, notes and drafts payable total T€ 40,796 (previous year: T€ 14,059) and also contain for the first time this year those guarantee sums which were given to banks for unused framework credits within the concern.

The obligations from the use of tangible assets not shown in the balance amount to a total of T€ 24,622 (previous year T€ 24,382) for 2022 and to T€ 89,513 (previous year: T€ 77,732) for the years 2022–2026.

The income statement has been prepared according to the Austrian "total cost" method.

The income consists principally of the proceeds from the sale and rental of Doka formwork products and the planning, supply and installation of shopfittings in the umdasch Store Makers Division.

Revenues by Division

Amounts in T€	2021	2020
Doka Formwork Technology	1,257,469	1,169,770
umdasch Store Makers	281,743	241,459
Umdasch Group Ventures	241	215
Total revenues	1,539,453	1,411,444

Revenues by region

Amounts in T€	2021	2020
Austria	217,413	191,401
European Union	725,272	667,664
Rest of Europe	176,412	152,094
Abroad	420,356	400,285
Total revenues	1,539,453	1,411,444

Other operating income

Amounts in T€	2021	2020
Foreign exchange gains	8,591	6,761
Grants and subsidies	1,983	3,068
Corona short-time work benefits	1,322	24,248
Reversal of value adjustments	21,409	0
Insurance compensation payments	352	706
Recovery of previous written-off receivables	1,136	190
Sundry income	2,232	1,185
Total other operating income	37,025	36,158

Notes to the Consolidated Statement of Cash Flows 2021

The cost of materials includes depreciation amounting to T€ 134,585 (previous year: T€ 131,681) on formwork used for rental assets.

The expenses for severance payments and payments to the company savings plan amounted to T€ 9,753 (previous year: T€ 15,656) in the form of expenses for severance payments.

Other operating expenses

Amounts in T€	2021	2020
Transport costs	90,034	77,161
Write-off of customer receivables*)	22,706	18,338
Remuneration WB to customer and other receivables	1,241	12,078
Lease and rental expenses	29,976	29,567
Advertising expenses	6,086	6,826
Maintenance	14,842	14,294
Travel expenses	12,158	11,259
Consultancy fees	29,843	27,138
Foreign exchange losses	9,109	16,334
Sundry expenses	34,974	36,645
Total other operating expenses	250,969	249,640

* The write-off of customer receivables was largely covered by adjustments whose resolution is included in the other operating income (previous year: resolution balanced in other operating expenses).

The other interest and similar revenues includes foreign-exchange gains as a result of financing amounting to T€ 15,743 (previous year: T€ 4,085). The interest and similar expenses include foreign-exchange losses as a result of financing amounting to T€ 5,275 (previous year: 30,932 T€).

The taxes on income and profits include expenses resulting from the change in deferred taxes amounting to T€ 4,502 (previous year: T€ 14,246). Income amounting to T€ 5,738 (previous year: expenditure T€ -15,331) is the result of taxes from previous periods and refers largely to provisions for a tax inspection in the Arabian region. The company is the parent company under § 9 KStG (Corporation Act: "Stand-alone" method). For tax purposes the concern includes the subsidiary companies both within Austria and abroad.

A consolidated tax-sharing agreement has been drawn up with the subsidiary companies in Austria, by means of which the corporate tax is paid by the company and recovered from the members of the group. From 2018 in the case of losses a negative tax allocation will be credited.

The statement was prepared according to the indirect method. The changes of balance sheet positions taken into account in the cash flow resulting from operating activities have been adjusted for effects resulting from currency translation.

The cash flows from the investment and financing activities are determined on a cash basis. The dividend payment is recorded under cash flow from financing activities. The liquid assets include cash and bank assets with remaining terms of up to three months.

Amounts in T€	31.12.2021	31.12.2020
Cash and cash equivalents according to balance sheet	96,934	179,239
Less short-term investments (with remaining term of > 3 months)	0	-25,000
Balance of financial resources (cash and cash equivalents)	96,934	154,239

The payments/proceeds from company sales/acquisitions contained in the cash flow consisted of the following elements:

Amounts in T€	2021	2020
Sold/acquired		
Non current assets	+51	-688
Current assets	+6,393	-2,564
Provisions	-188	+194
Liabilities	-748	+2,964
Equity	+5,508	-94
Share of equity 100 % (previous year 55 %)	+5,508	-52
Result from company sale	+1,419	0
Goodwill from company sale	0	-2,364
Purchase price company sales/acquisitions	+6,927	-2,416
Reserves for reduction in selling price	+1,250	0
Change in liabilities from company acquisitions	-784	-1,240
Change in receivables from company sales	-2,996	0
Cash and cash equivalents disposed of/acquired	-201	+48
Credits/payments from company sales/acquisitions	+4,196	-3,608

Further Notes

• Financial instruments

In spite of the consolidation of accounting within the group, the underlying currency risk secured with the forward currency purchases listed below still remains.

• Interest rate swaps without a valuation unit for part of long-term loan financing

The group holds interest rate swaps with a nominal value of € 65.0 million (previous year: € 65.0 million) with a negative market value of T€ 3,109 (previous year: T€ 5,810). In view of the different terms of the underlying transactions it was not possible for form a valuation unit. A reserve was therefore created for the negative market values. The interest rate swaps will mature in November and December 2027.

• Forward currency sales with valuation unit for company financing

All values in 1,000		Nominal 2021	T€ Value 2021	Nominal 2020	T€ Value 2020
AED	Arabian Dirham	60,000	14,113	40,000	9,374
AUD	Australian Dollar	12,000	7,622	12,000	7,362
CAD	Canadian Dollar	20,000	13,477	14,000	8,969
EUR	Euro	12,000	12,000	12,000	12,000
BRL	Brazilian Real	7,000	1,079	0	0
GBP	Pound Sterling	8,790	10,183	7,000	7,747
QAR	Qatar Rial	20,000	4,776	0	0
RUB	Russian Ruble	200,000	2,352	0	0
PLN	Polish Zloty	40,000	8,664	60,000	13,264
SAR	Saudi Arabian Rial	0	0	45,000	9,804
SGD	Singapore Dollar	8,000	4,961	8,000	4,980
USD	US Dollar	84,000	72,710	42,700	35,830
			151,937		109,330
	Positive market value T€		1,459		3,414
	Negative market value T€		-2,513		- 210

In view of the hedge accounting relationship with the underlying transactions the creation of a contingent loss reserve for the negative market values has not been undertaken. The forward currency sales will mature in February 2022–December 2022.

• Forward currency sales without valuation unit

On the balance sheet date the group held euro forward currency sales without a valuation unit amounting to T€ 10,800 (previous year: T€ 9,000) with a positive market value of T€ 232 (previous year: T€ 167). The forward currency sales will mature in January–April 2023.

• Additional information

The expenses related to the auditor for the examination of the annual statements of account from Austrian subsidiary companies incorporated into the consolidated statement of accounts amounted to T€ 214 (previous year T€ 207).

• Events since the accounting date

The Russia/Ukraine crisis has affected both the Doka Division and umdasch Store Makers since the end of February 2022. The local production and sales of both Divisions are affected. In particular the construction activities of the Doka Division in Ukraine are at a complete standstill. Umdasch Store Makers are affected above all by the withdrawal of international concerns from the Russian market.

The revenues share of both countries to the Group revenues during 2021 was very modest at approx. 2.4 %. Measures to minimize risk during the crisis relate on the one hand to a reduction of assets, for example the sell-off of rental assets – as well as a rigorous application of the KYC process with regard to both customers and suppliers.

• Use of results

The Executive Board will propose to the Supervisory Board that the dividend payments should amount to € 45 million.

• Organe

Executive Board:

Mag. Dr. Wolfgang Litzlbauer, Chairman from 01.07.2021
Dkfm. Gerd Pechura (from 01.01.2022)
Dr. Andreas J. Ludwig, Chairman until 30.06.2021,
Member until 31.12.2021
Prof. Dipl. Ing. Mag. Friedrich Rödler (until 30.6.2021)

Amstetten, 22 April 2022
The Executive Board



Mag. Dr. Wolfgang Litzlbauer

Supervisory Board:

Hilde Umdasch, Chairwoman
Alfred Umdasch, Deputy Chairman
Mag. Dr. Reinhold Süßenbacher
Dr. Jörg Jakobljevič

With regard to the remuneration of the Executive Board in accordance with § 239 (1) Z 4, the protection clause according to § 242 (4) UGB is in operation. The payments to former members of the Executive Board amounted to T€ 892 (previous year T€ 584).

Payments amounting to T€ 150 (previous year: T€ 150) were made to members of the Supervisory Board.

• Staff

Of the expenses for severance payments and pensions, T€ 46 were paid to (former) members of the board (previous year: payment T€ 396) and T€ 12,114 (previous year: T€ 17,828) to other employees.

The average number of employees during the reporting year was 8,261, of whom 3,537 were wage employees and 4,724 were salaried employees (previous year: 8,793, of whom 3,824 were wage employees and 4,969 were salaried employees).



Dkfm. Gerd Pechura

Development of Fixed Assets – Group

Amounts in T€		Development of acquisition costs						Net book value	
		1.1.2021	Exchange rate differences	Additions	Disposals	Transfers	31.12.2021		
I. INTANGIBLE ASSETS									
1.	Patents and similar rights	49,653	306	859	-1,500	531		49,849	
2.	Goodwill	52,822	720	5,623	-136			59,029	
3.	Advance payments made	531				-531			
Subtotal		103,006	1,026	6,482	-1,636			108,878	
II. TANGIBLE ASSETS									
1.	Developed land								
	Value of land	101,878	1,840	6,575	-1,342	-36		108,915	
	Value of buildings	457,423	4,382	9,444	-14,369	15,619		472,499	
2.	Undeveloped land	14,005	6	44				14,055	
3.	Technical equipment and machinery	310,784	304	13,850	-7,237	10,097		327,798	
4.	Other equipment, furniture, fixtures and office equipment	151,315	1,048	8,176	-9,333	88		151,294	
5.	Low-value assets	18	-1	1,261	-1,274	-4			
6.	Advance payments made and construction in progress	37,481	950	12,054	-27	-25,764		24,694	
Subtotal		1,072,904	8,529	51,404	-33,582			1,099,255	
III. FINANCIAL ASSETS									
1.	Shares in associated companies	21,460		4,222	-2,369			23,313	
2.	Other investments	368			-180			188	
3.	Securities	12,209	1	900				13,110	
Subtotal		34,037	1	5,122	-2,549			36,611	
Total		1,209,947	9,556	63,008	-37,767 **)			1,244,744	

Amounts in T€		Development of accumulated depreciation						Net book value		
		1.1.2021	Exchange rate differences	Annual AfA	Disposals	Write up	Transfers			31.12.2021
I. INTANGIBLE ASSETS										
		39,213	319	4,064	-1,456		11	42,151	10,440	7,698
		26,686	1,168	4,734	-12			32,576	26,136	26,453
									531	
Subtotal		65,899	1,487	8,798	-1,468		11	74,727	37,107	34,151
II. TANGIBLE ASSETS										
		1,222	34		-70			1,186	100,656	107,729
		252,249	2,140	15,795	-9,191	-1,065	-3	259,925	205,174	212,574
									14,005	14,055
		259,652	182	11,475	-6,007	-262	-3	265,037	51,132	62,761
		116,850	855	11,440	-7,918	-265	-1	120,961	34,465	30,333
		18	-1	1,261	-1,274		-4			
		163	19	11				193	37,318	24,501
Subtotal		630,154	3,229	39,982	-24,460	-1,592	-11	647,302	442,750	451,953
III. FINANCIAL ASSETS										
		4,977	-463	4,772 *)	90	-630 *)		8,746	16,483	14,567
		192		103	-180			115	176	73
		120	1	162				283	12,089	12,827
Subtotal		5,289	-462	5,037	-90	-630		9,144	28,748	27,467
Total		701,342	4,254	53,817	-26,018 ***)	-2,222		731,173	508,605	513,571

*) pro-rata annual result

***) of which T€ 1,524 Deconsolidation Doka Brasil

****) of which T€ 1,473 Deconsolidation Doka Brasil

Report on the Consolidated Financial Statements of the Umdasch Group AG 2021

1. General

The Umdasch Group AG is the group parent company and as such the strategic-operative holding company of the Divisions Doka, umdasch Store Makers and Umdasch Group Ventures. It also owns directly or indirectly parts of the properties necessary to the operations of the subsidiary companies and rents these out to the subsidiaries.

A further task is the partial financing of the subsidiary companies Doka GmbH, umdasch Store Makers Management GmbH, Umdasch Group Ventures GmbH and Umdasch Immobilien GmbH.

2. Report on business development and the economic situation

The rapid recovery of the construction industry (TCO Index World rose from 99 in 2020 to 103 in 2021) was reflected correspondingly in the growth in revenues of the Divisions. However, the growth contains a certain price component since the increases in material costs were passed on to the market to a large extent. The strong growth of the umdasch Store Makers Division can essentially be attributed to the business areas Food and General Contracting.

a) Doka Group

As a subsidiary of the Umdasch Group AG, Doka GmbH is the umbrella company of the Doka Division. The formwork is produced in works in Austria, Slovakia and Russia. The market development takes place via sales offices worldwide.

As a result of its central support functions (e.g. IT, Finance, Legal), Doka GmbH supplies services for subsidiaries and – inasmuch as they are concern functions – also for the companies of umdasch Store Makers, Umdasch Group Ventures and the parent company, Umdasch Group AG.

The general economic environment

The general economic environment was characterized in 2021 by a broad recovery of the construction industry, which however proceeded differently both regionally (Europe, North America, Latin America, Middle East/Africa and Asia Pacific) and according to sector (Residential, Non-Residential, Civil Engineering). Moreover, during 2021 upheavals in the procurement markets with regard to the availability of raw materials and merchandise, the associated strong price increases and also the disruption of the global supply chain (freight prices and availability of containers) proved to be important factors which influenced the business performance.

Revenues development

During 2021 the Doka Group recorded revenues of € 1,257.5 million (previous year: € 1,169.8 million) and thereby achieved growth in revenues amounting to 7.5 %. The revenues thus lay only approximately 1.5 % below the pre-pandemic levels of 2019. The Doka Group achieved almost 89 % of its revenues outside Austria.

For the reasons already mentioned, the business of the sales subsidiaries developed regionally in very different ways. The D,A,CH region, which had also achieved modest growth in 2020 despite the crisis, was now able to achieve additional growth rates in 2021. The rest of Europe, by contrast, was characterized by substantial single or double-figure growth following the partial decline of the previous year. Revenues in North America (USA and Canada) also achieved single or double-figure growth due to FX effects. In spite of continuing COVID lockdowns in some cases, the Latin America region also achieved double-figure growth, both organically and also reinforced by the acquisition of the Latin America business of our partner for the worldwide scaffolding business, AT-PAC. Business in the Middle East & Africa and Asia Pacific continued to progress unevenly. The effects of local lockdowns were most noticeable in these regions.

b) umdasch Store Makers

The umdasch Store Makers Management GmbH (USMMG) is the umbrella company of the umdasch Store Makers Division. The USMMG acts as the operative holding, holding the shares in the various subsidiary companies. It also performs central functions for the entire umdasch Store Makers Group, including information technology, controlling, legal advice, strategic personnel matters, operations and central purchasing. Last but not least, it also takes care of the marketing agendas.

In addition to this, the umdasch Store Makers are organized into four business units which focus on target sectors. These business units are Food Retail (for the bricks-and-mortar food retail sector and comparable customers), Premium Retail (for bricks-and-mortar retailing with luxury goods and exclusive brands), Lifestyle Retail (for all sectors which could be categorized under the term “non-food,” such as fashion, leather and sports, banks and insurance agencies, house and garden, automobile and vehicle sales and which do not fit into the luxury category), and Digital Retail (for digitalization services in all branches).

The general economic environment

Since about 2013 the umdasch Store Makers have been operating in a market which is declining in Europe and the Western world. In recent years the areas on which bricks-and-mortar retailing carry out their business, have been reduced by between

half and one percent per year. This decline has been initiated by the unbroken trend towards online retailing, which has achieved a global market share of about 17 % in the meantime and which has continued to gain in importance considerably – sparked in particular by the coronavirus pandemic.

In 2021 the umdasch Store Makers achieved a top 3 position among European shopfitting companies for the first time. The market share in shopfitting in Europe amounts to about three to four percent. The two largest suppliers, a Swedish and a French/Spanish company, each commands about twice that volume.

Furthermore, 2021 was still badly affected by the effects of the coronavirus pandemic: for approximately one-third of the year, many retailers had to close down their locations. Extensive state support enabled the companies to survive, but the willingness to invest remained limited, with the exception of a few sectors that profited from the situation (food, home and garden, DIY and a number of luxury brands).

Restructuring measures and their effects

Further extensive restructuring measures were implemented during 2021 and business areas with doubtful perspectives and/or cost structures, which would not permit economic prosperity, were limited or closed down.

In the business unit Digital Retail the two locations in Aachen and Duisburg were brought together in Duisburg. In the business unit Lifestyle Retail, Neidenstein was finally abandoned as a shopfitting location and its tasks distributed among the three remaining locations within the DACH region in Duisburg (D), Amstetten (A) und Strengebach (CH) as well as Litomyšl (CZ), which will be considerably expanded in the medium term.

Revenues development

During the year under review the umdasch Store Makers Group achieved revenues amounting to € 281.7 million (previous year: € 241.5 million). This corresponds to a growth rate of 16.7 %. Business developed in very different ways. The Food Retail segment presented growth of almost 36 %, to more than € 132 million. A quarter of the increase was due to the consolidation of the Turkish company umdasch Madosan over an entire year for the first time; half was due to increased quantities and a further quarter of the growth was generated by increased prices.

The Lifestyle Retail segment also contributed to the growth with an increase of two percent. In the business unit Premium Retail, business bounced back with growth of over 15 % following the significant slump in 2020. The business unit Digital Retail, on the other hand, suffered a decline of almost five percent compared with 2020. The delays in the delivery of electronic parts and components prevented a possible expansion of the business.

c) Umdasch Group Ventures

Umdasch Group Ventures GmbH is the parent company of the Umdasch Group Ventures Division. As a pure development company, Umdasch Group Ventures GmbH focuses on basic trends and disruptive innovation throughout the entire life-cycle in the field of construction (from planning to demolition) and the retail sector by means of a number of projects.

Umdasch Group Ventures GmbH pursues the marketing of the technologies and business models it has developed through the subsidiary companies it has formed, Umdasch Group NewCon GmbH, Neulandt GmbH and Kontakt GmbH. In addition, technologies and products are also sold or licensed to the affiliate company Doka GmbH, if they fit into the company's portfolio.

Strategic participations

Umdasch Group Ventures GmbH aims to negotiate strategic participations in young technology companies worldwide, preferably above the blocking minority, provided that their areas of focus are seen to be particularly important strategically and they have already achieved a considerable advantage. The holdings in Contour Crafting Corp. (30 %) [USA], NeoTwin GmbH (51 %) [D] and Shopreme GmbH (26 %) [A] have been operative throughout the entire reporting period. The holding in Sequello GmbH (50 %) [A] was newly acquired in November 2021.

The general economic environment

As a result of the financial framework conditions, the effects of the global pandemic required a massive intervention in the budgeting of almost all business units. Until the end of June 2021 the option of Covid short-time working was utilized as far as possible, in order to reduce the loss of expertise to a minimum and nonetheless to realize strategic goals in a focused manner, albeit over a longer period of time. Sales activities were given priority.

Revenues development

Umdasch Group Ventures achieved consolidated revenues of € 2.5 million (previous year: € 3.8 million) in 2021, largely through revenues of CONTACT GmbH with the affiliate company Doka GmbH.

d) Umdasch Immobilien GmbH

Investments in new properties are made worldwide directly or indirectly by Umdasch Immobilien GmbH, Amstetten. These are rented to companies of the Doka group or the umdasch Store Makers group. Since 2012 the company's operative activities have been in connection with projects in Austria, Germany, the Netherlands, the United Kingdom, Poland, Romania, Russia and the United States.

During 2021 construction measures were undertaken especially at the location in Apolda in Germany. Completion and first-time rental will take place in 2022.

3. Financial performance indicators

During 2021 the Umdasch Group achieved revenues of € 1,539.5 million. The revenues thus lay 9.1 % above the level of the previous year at € 1,411.4 million. The Umdasch Group generated an EBIT of € 181.6 million (previous year: € 123.9 million). The above-average rise of the EBIT is the result of a number of corona-based restructuring measures from the previous year and the consequent radical slow-down of the growth in fixed costs.

As regards the variable costs, 2021 was characterized by huge increases in material prices in the most important material groups, especially wood and steel. The resulting increases in production costs were monitored continuously, and passed on, albeit not in their entirety, to the sales companies in a series of transfer price adjustments. As a consequence, prices were raised on the markets correspondingly.

A positive financial result amounting to € 1.5 million was achieved which was thus considerably better than the result of the previous year at € -42.6 million. The reason for this was the high positive exchange rate effects from the group financing, which represents to a large extent a counter-movement to the depreciation of the previous year.

The Group annual net profit amounted to € 134.5 million, which is more than € 100 million higher than the previous year (previous year: € 20.8 million). For the first time in many years the tax rate of nearly 27 % is not influenced by special effects and major effects due to tax audits.

Investments in tangible and intangible assets and financial investments amounted to € 63.0 million (previous year: € 58.9 million).

	2021	2020
Return on sales (EBIT/revenues)	11.8 %	8.8 %
Return on equity (Income before taxes/Ø equity)	18.3 %	8.5 %
Return on investment (EBIT/Ø total capital)	9.9 %	6.9 %
Adjusted equity ratio (Equity/total capital-liquid assets)	59.7 %	61.4 %

The balance sheet total of the Umdasch Group rose contingent upon the volume by € 143.9 million (+8 %) in proportion to the revenues. At the same time, fixed assets rose by 1 % and current assets by 13 %. In 2021 rental assets will be shown for the first time as a separate main position between fixed assets and current assets – this position has increased by 8 % in comparison with the previous year.

The cashflow from operating activities was reduced significantly during the business year; it sank from € 307.0 million in the previous year to € 18.3 million in 2021. The main reason for this is the strong rise in inventories and other receivables. The other receivables include € 34.1 million in receivables from AT-PAC LLC from financing and down payments on product orders.

The cashflow from investment activities, with an outflow of funds amounting to € 8.5 million, is more than € 100 million less than in the previous year. This development is strongly influenced by the investments in current financial assets. The cash-in in this area during the previous year amounted to almost € 45 million, compared with a cash-out of € 36 million during the year under review. Investments in tangible and intangible assets amounted to € 57.9 million (previous year: € 46.7 million) compared with sales proceeds from fixed assets amounting to € 12.5 million (previous year: € 2.5 million).

Through the planned use of funds for interest and amortizations amounting to € 50.1 million and dividends totaling € 20.9 million, the outflow of funds from financing activity amounted to a total € -68.9 million with minor other changes (previous year: € -94.5 million). This resulted in a reduction in cash and cash equivalents amounting to € 59.2 million (previous year: increase of € 98.6 million).

4. Non-financial performance indicators

a) Staff

2021 was once again strongly affected by the corona pandemic. Appropriate measures were determined in all countries in order to ensure the operative business and the continued development of the staff. There was a strong increase in the use of digital media.

The internal Learn Platform WeDevelop offers continuous possibilities for learning and developing. These include digital offers, such as for example E-learning and videos, as well as learning formats accompanied by internal and external trainers.

Executive development also took place in 2021 under the banner of digital methods. The focus lay on those executives who are new to their role. During the fourth quarter a completely new format, the “New Leaders Program,” was initiated.

In 2021 we worked on a new approach to Succession & Talent Management, and introduced as a basis a framework process to identify succession risk and High Potentials in various pilot organizations, in order to create the precondition for filling two-thirds of the key positions internally as far as possible.

In order to position the subject of “Employee Experience” even more strongly in the center of our activities, in 2021 we initiated the introduction of a concern-wide Employee Engagement Survey, which will be carried out across the board in 2022. The survey offers all employees the chance to provide open feedback as to how they find their work and our company – important feedback which will help to introduce improvements in the organization on all levels within the company, while also maintaining data privacy.

In addition to the strategic initiatives already mentioned, apprenticeship training has been a matter of high priority at Umdasch for decades.

b) Sustainability (Integrated Reporting)

The annual report for 2018 marked a new approach to Corporate Reporting for the Umdasch Group. Based on the framework of the IIRC (International Integrated Reporting Council), the concern has since reported transparently since that date on its efforts towards an integrative sustainability approach. Last year this was

expanded to include 16 KPIs (Key Performance Indicators) in the areas of economy, ecology and social aspects. The present report now shows the development of these KPIs, together with a number of measures aimed at positive progress in this field.

Parallel to this, the Umdasch Group is preparing its strategies and organization to comply with the guidelines which will apply to the Group from the reporting year 2023 and which must be implemented as a result of the European Taxonomy Regulation. Until then the basis of our sustainability reporting will be correspondingly expanded and adapted in line with the catalog of criteria contained in the regulation.

During the course of the re-positioning of the Umdasch Group, the subject of sustainability was identified as one of the four supporting pillars of the Group's future business strategy. The Umdasch Group will be supporting sustainability as a driver of development and growth in order to achieve the global climate goals not only within the firm's own processes (Corporate/Product Carbon Footprint), but also in new future areas of business (recycling management along the lifetime of a construction project).

5. Main risks and uncertainties

Risks form an important part of any form of business activity. With regard to the following risks, attempts are made to minimize the risks and uncertainties to a large extent within the framework of systematic procedures. However, it is not possible to eliminate risks entirely, since one must always weigh up the cost-benefit ratio by means of various hedging instruments.

The current very pronounced risk of price changes resulting from the dynamic development of prices for raw materials and energy can be passed to the market as necessary, especially in the Doka Division, through contracts with a guaranteed price that is maintained for as short a period as possible. This is currently also supported by the strength of the economic situation in the construction industry and the general pressure of materials costs on all building suppliers. In the umdasch Store Makers Division the long-standing customer loyalty is closely linked to price setting. As a result there is a certain risk associated with price changes which cannot always be passed on to the customer in full.

As a result of its worldwide presence, the Umdasch Group and its subsidiaries are subject to risks arising from changes in exchange rates. Exchange rate risks are secured by a defined hedging policy through “plain vanilla” currency futures (forwards, swaps). Here the relationship to the main business is always maintained.

Umdasch Group AG equips its subsidiary companies (Doka GmbH, umdasch Store Makers Management GmbH, Umdasch Group Ventures GmbH and Umdasch Immobilien GmbH) with sufficient equity and also finances them in general via company loans with variable interest rates “at arm's length”.

The umbrella companies within the Divisions in turn also finance their subsidiaries with equity and intercompany loans, whenever possible in local currency. The foreign currency risks which thereby arise are thus concentrated at Division level and secured in part through forward transactions.

Provisions are made for cashflow and liquidity risks by means of monthly monitoring of the development of the net bank debts. The parent companies of the three sub-groups are largely financed in Austria and abroad via loans – in the case of

Doka GmbH also via a promissory note bond. The financing is euro-based in most cases and variable.

The risk of changes in interest rates for long-term financing is covered in part through interest-rate swaps.

Allowance is made for the risk of payment defaults through a concern-wide customer credit management system, with credit reviews when orders are accepted, a defined approval process and a corresponding credit collection process. In some countries there are credit insurances to cover bad debts.

As a result of the company's high level of IT and technical interconnectivity, the Umdasch Group sees itself as subject to a certain degree of cyber risk. Essentially this relates to subjects such as data confidentiality, external attacks on the IT system, availability of the IT systems, failure of communications systems, et al. These risks are met by state-of-the-art IT security systems, the latest backup methods and strict entry and access controls. In addition there are regular IT security and data protection training sessions for staff. A Data Security and Information Committee (DISC) meets regularly to decide on strategic and operative subjects.

6. Research and development

For some years now the fundamental research within the Umdasch Group has been carried out by Umdasch Group Ventures. The company aims to provide analysis and decision-making and the drawing up and implementation of development projects with the aim of leading the development of potentially disruptive new skills and expertise for the solution of relevant customer problems for the Group.

A significant reduction of the probability of strategic surprises for the entire Group can be reached through the comprehensive analysis and awareness of global trends and technological skills in general, but in particular within the construction and retail sectors. This core activity of Umdasch Group Ventures is in operation at all times.

The potential value of products and business models are priorities within Umdasch Group Ventures and are either developed to market maturity within the company via several project phases or secured and made available to the group through strategic participation.

In addition, within the Doka Group in particular there are continuous research and development activities in the core area of formwork technology. During 2021 the following important new products were launched onto the market:

HCK (High Capacity Kit) and UniKit:

The market launch of the heavy-duty steel construction kit HCK took place during 2021. First construction sites were successfully realized. As part of the Doka infrastructure strategy, the two systems UniKit and the heavy-duty steel construction kit HCK were combined in a modular system. In future it will be possible to offer a wide range of infrastructure solutions from a modular product portfolio. First system solutions are already available as standard and have been ordered for large construction sites, for example in Canada and Sweden. Further system solutions will be developed successively on the basis of the core components of the modular system, especially for infrastructure construction.

Framed formwork DokaXlight

In 2021 further market launches in Europe and Canada were successfully implemented and confirm the high demand for a simple, ergonomic and economical hand-set formwork for new construction and building within existing structures. In addition, further accessory components were developed during 2021.

Framed formwork Framax Xlife plus Upgrade

With the new Framax Xlife plus element height 3.00 m we have closed the gap between the 2.70 m and the 3.30 m elements and can now offer a practical intermediate height which is frequently required, in particular in residential construction. With immediate effect this 3.00 m height formwork can be quickly and economically put in position without time-consuming additional constructions and with just 2 anchor levels. In addition, we have raised our Framax Xlife plus to a new level. Now all elements (including large elements) are powder-coated in our new installation and the change to exclusively open function profiles in the frame mean even higher quality, increased useful life and more flexibility for our customers.

Framed formwork ReFormaX

With the framed formwork ReFormaX Doka aims to tap the structural and civil engineering segment in Eastern Europe and the MEAAP region, thereby actively addressing new customer and market segments. ReFormaX ideally meets the local market requirements of these focus markets.

H20 basic NC: The formwork girders H20 basic NC fulfil all requirements of EN 13377 and are made of pinewood. Compared with spruce, pinewood possesses identical mechanical qualities but is also available in times when there is a shortage of raw materials.

The company does not carry out any basic research in the segment of umdasch Store Makers. A main area of focus is the integration of digital solutions into furniture systems. In addition to checkout solutions, intelligent bread units and especially the Liquid and Solid Dispenser have been developed. With these units it is possible to reduce the packaging required in the sale of liquids (detergent, cleaning fluids etc.) or piece goods and solid substances (tabs or foodstuffs like rice etc.). These appliances developed by us make use of artificial intelligence and permit an attractive “customer journey”. Leading firms selling branded goods and all health-and beauty stores and food stores are interested in the solutions developed by umdasch Store Makers.

7. Digitalization

During the past business year the sale of digital services, especially CONTACT, DokaXact and Concremate, was expanded systematically. It was possible to increase the number of projects involved quite considerably.

DokaXact was implemented in large-scale projects in the United States, Canada, France, Germany, Sweden, and the United Kingdom. We also increased the number of CONTACT projects considerably, with a main focus on the DACH region. In addition, during 2021 the market launch was completed in the United Kingdom with a specialized sales team and first projects with digital services were successfully implemented. The obstacles

in the sales of digital services identified in 2021 will be taken into account during 2022, and countermeasures will be introduced.

With regard to products, the main focus lies on the technical stabilization and optimization of DokaXact. In addition, the basis for a Group-wide IOT infrastructure will be laid.

In the case of umdasch Store Makers, most of the further development in the digital segment lay in the umdasch Store Makers Experience Platform. This is a software platform which permits retail customers to control all digital facilities (from electronic price labeling to a digital poster) via a single software. Numerous customers are already using this platform. The maintenance and service earnings have already financed in full the innovation investment required.

8. Characteristics of the internal control and risk management system with regard to the accounting process

The Umdasch Group AG is faced with a number of risks which make systematic and continuous risk management necessary. The business risk is met by an organization and systems which are appropriate to the type and volume of business and which undergo continuous development. Processes that are adequate to the risks concerned are ensured by stable and secure business processes.

The central elements of the internal control system of the Umdasch Group AG and its subsidiaries are

- The Code of Conduct issued by the Umdasch Group AG, with the addition of specific compliance regulations,
- The anonymous whistle-blower system,
- Company-wide guidelines and procedural instructions,
- Clearly defined organizational structures and job descriptions and
- Compulsory compliance training sessions for staff as well as
- Extensive KYC process and compliance with all relevant sanction regulations

In addition, the management and quality-management system of selected subsidiary companies and second-generation subsidiaries are certified according to ISO 9001.

The effectiveness of the internal control system and the efficiency of the processes is examined by means of regular audits of the Corporate Internal Audit. For this the Corporate Internal Audit, as the staff position of the Executive Board, examines the companies, the organizational units and the functions of the subgroups for the entire Umdasch Group and reports regularly in the audit committees of the Umdasch Group AG, Doka GmbH and umdasch Store Makers Management GmbH.

The risk-oriented reporting system provides regular financial reporting, financial and non-financial KPIs and analyses to the relevant recipients via a cockpit worldwide.

Forecasts for the sections and subsidiaries take place regularly for both financial and non-financial KPIs. An Enterprise Risk Management (ERM) monitor is produced quarterly and informs the Executive Board specifically concerning risk indicators in the areas incoming orders, revenues, market, receivables management, purchasing and sales prices, quality, inventories, and currency risks.

9. Compliance

The Umdasch Group and its Divisions ensure the observance of compliance regulations in all its companies worldwide. Compliance-relevant processes are compulsory and are regularly trained in digital and analog procedures by the Compliance Organization (Chief Compliance Officer, Compliance Officers and Compliance Ambassadors). Their observance is checked – if appropriate in conjunction with the Corporate Internal Audit. In addition to the regular reports by the Compliance Ambassadors an externally operated anonymous whistle-blower system is also in operation.

10. Prospects and events since the closing date

The increasing volatility of the global economy – and hence of the construction industry – continue to make a cautious and flexible approach necessary: volatility and interruptions to the global supply chain, increases in costs of materials, and increased energy costs demand a flexible and agile approach in sourcing and pricing.

The entire Group is undertaking wide-ranging adjustments to its strategy. Value pools for growth on the basis of the building life cycle are being identified. There is a focus on digitalization with digital products both internally (“Digitize the Core”) and externally.

The Doka Division assumes modest growth and a somewhat more moderate result than in 2021. In spite of the difficult position in Russia, the umdasch Store Makers are also hoping for a positive result even without growth in revenues. Umdasch Group Ventures plans its first real revenues, in order to be able to make a contribution to the continuing high development costs.

Investment activities will be restricted to replacement investments to optimize costs, increasingly under consideration of environmentally relevant aspects. It is not expected that there will be a further major expansion of production capacity. The main focus will lie on the expansion and modernization of the sales network.

As of 11.2022 the Umdasch Group AG has sold a 60 % share in its production and sales company Umdasch Shopfitting LLC, Dubai, part of the umdasch Store Makers Division, to a strategic partner. The company will therefore leave the consolidation range. During 2021 it contributed a share of 0.6 % to Group revenues.

Amstetten, 22 April 2022
The Executive Board



Mag. Dr. Wolfgang Litzlbauer

The Russia/Ukraine crisis has affected both the Doka Division and umdasch Store Makers since the end of February 2022. The local production and sales of both Divisions are affected. In particular the construction activities of the Doka Division in Ukraine are at a complete standstill. Umdasch Store Makers are affected above all by the withdrawal of international concerns from the Russian market.

The revenues share of both countries to the Group revenues during 2021 was very modest at approx. 2.4 %. Measures to minimize risk during the crisis relate on the one hand to a reduction of assets, for example the sell-off of rental assets – as well as a rigorous application of the KYC process with regard to both customers and suppliers.

Indirect effects on the global economy can be expected; prices for energy and raw materials prices have in some cases already risen dramatically. As during 2021, we shall aim to pass on the additional costs to the market. It is not possible at the moment to assess the overall effects for the Umdasch Group, but we assume that there will only be a modest deviation from our basically positive planning for 2022.

11. Miscellaneous

The participation of the Doka Division in the American scaffolding company Atlantic-Pacific Equipment LLC (AT-PAC) was increased as of 30.06.2021 from 20 % to 27.8 %. In addition, 100 % of the Latin America business was purchased from AT-PAC as of 30.06.2021.

Prof. DI Mag Friedrich Rödler left the Executive Board of the Umdasch Group AG as of 30.06.2021. His duties were taken over by Dr. Andreas Ludwig. Dr. Wolfgang Litzlbauer became the Chairman of the Executive Board as of 01.07.2021.

Dr. Andreas Ludwig retired from the Executive Board of the Umdasch Group AG as of 31.12.2021 and took on projects in particular in the areas of sustainability and ESG. Dkfm. Gerd Pechura was appointed to the Executive Board as CFO as of 01.01.2022.



Dkfm. Gerd Pechura

Independent Auditor's Report

Report on the Audit of the Consolidated Financial Statements

• Opinion

We have audited the consolidated financial statements of Umdasch Group AG, Amstetten (the Company), and its subsidiaries (the Group), which comprise the consolidated statement of financial position as at December 31st, 2021, and the consolidated statement of comprehensive income, the consolidated statement of changes in equity, and the consolidated statement of cash flows for the financial year then ended, and notes to the consolidated financial statements.

In our opinion, the accompanying consolidated financial statements comply with legal requirements and give a true and fair view of the consolidated financial position of the Group as at December 31st, 2021, and its consolidated financial performance and its consolidated cash flows for the year then ended in accordance with Austrian Generally Accepted Accounting Principles.

• Basis for Opinion

We conducted our audit in accordance with the Austrian Generally Accepted Auditing Standards. Those standards require the application of the International Standards on Auditing (ISAs). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Consolidated Financial Statements section of our report. We are independent of the Group in accordance with laws and regulations applicable in Austria, and we have fulfilled our other professional responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained up to the date of our report is sufficient and appropriate to provide a basis for our opinion as of that date.

• Responsibilities of Management for the Consolidated Financial Statements

Management is responsible for the preparation of the consolidated financial statements that give a true and fair view in accordance with Austrian Generally Accepted Accounting Principles, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group or to cease operations, or has no realistic alternative but to do so.

The audit committee is responsible for overseeing the Group's financial reporting process.

• Auditor's Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Austrian Generally Accepted Auditing Standards, which require the application of the ISAs, will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with Austrian Generally Accepted Auditing Standards, which require the application of the ISAs, we exercise professional judgement and maintain professional skepticism throughout the audit.

We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

- Conclude on the appropriateness of the directors' use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on

the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Group to cease to continue as a going concern.

- Evaluate the overall presentation, structure, and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that gives a true and fair view.

- We obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision, and performance of the group audit. We remain solely responsible for our audit opinion.

- We communicate with the audit committee regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

• Report on the Audit of the Consolidated Management Report

Pursuant to statutory provisions, the consolidated management report is to be audited as to whether it is consistent with the consolidated financial statements and whether it has been prepared in accordance with the applicable legal requirements.

Management is responsible for the preparation of the consolidated management report in accordance with the Austrian Commercial Code.

We conducted our audit in accordance with laws and regulations applicable with respect to the consolidated management report.

• Opinion

In our opinion, the consolidated management report is prepared in accordance with the applicable legal requirements and is consistent with the consolidated financial statements.

• Statement

In the light of the knowledge and understanding of the Group and its environment obtained in the course of our audit of the consolidated financial statements, we have not identified material misstatements in the consolidated management report.

Vienna, April 22, 2022
Deloitte Audit Wirtschaftsprüfungs GmbH

Mag. Friedrich Wiesmüllner
Austrian certified public accountant

per proxy Mag. Elisabeth Keiblinger
Austrian certified public accountant



Innovation enables us
to solve pressing global
challenges

Our Visions

Answers to important social, environmental and economic issues can only be solved together. In our case, these are solutions that have an efficient and sustainable impact along the entire lifecycle of a building: From development to planning, construction, outfitting, ongoing maintenance and renovation – to deconstruction and recycling at the end of its life.

Dignified and The challenge affordable housing for the broad population

Our solution The portable precast plant NEULANDT 3P

NEULANDT 3P promises by its name to transform new land into socially, economically and ecologically valuable living spaces. In addition, the training of local workers contributes to local added value, whilst the portable production plant is already set up at the next construction site.

Faster, cheaper and with higher quality are the three key benefits of our portable precast plant. Time saving results from a standardized production process involving the butterfly technology, a hinged steel formwork concept. Good quality is the outcome of the technically sophisticated formwork design and the controlled casting process. Significant cost benefits arise from the on-site production.



SDG



The show house at a glance:

- 43 m² bungalow
- 2 bedrooms
- 1 bathroom
- 1 lounge and kitchen



NEULANDT 3P in Kenya

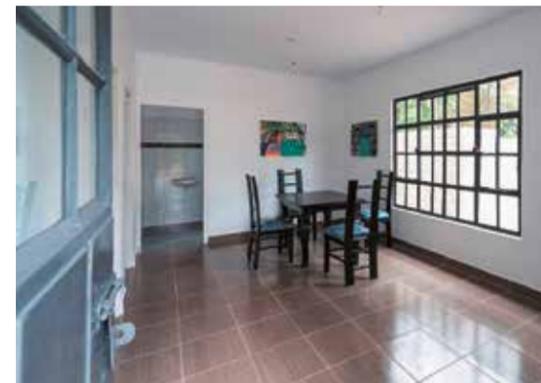
The size of the Kenyan population is constantly increasing and a growing number of people are settling in urban areas. Thus, in September 2021 we presented our technology to players from the Kenyan construction sector in order to demonstrate how our solutions can transform the local construction industry. We introduced a prefabricated NEULANDT home, convincing with discoverable and perceptible quality. The show house was designed by NEULANDT in cooperation with the Architectural Association of Kenya and the National Construction Authority. A local construction company assembled the house and completed it turnkey. Together, we ensured that the home met the requirements for a better standard of living, as outlined in the government's Big 4 agenda. The floor layout allows for a production of 2,600 units per year.

N3P technology

The patented butterfly technology enables both wall and ceiling elements – including recesses and technical fixtures – to be prepared in a horizontal position, before the formwork is placed vertically in the battery and the concrete is poured. The combination of the mobile “Plug & Play” plant and our design services results in an efficiently scheduled production process.

Kick-off for affordable housing on the Ivory Coast

Access to affordable housing is also the key for the political agenda on the Ivory Coast. In order to meet the demand, our local subsidiary NEULANDT Cote d'Ivoire will start production at midyear with the first NEULANDT 3P and local trained workers. What does this mean in precise terms? Concrete precast elements for the construction of up to 1,000 houses can be produced within one year.



What prospects does the metaverse open up?

The big question

One approach

Digital stores for virtual goods for real money



©shutterstock.com/pancha.me

Eternal life has always inspired people's imagination; the great dream of immortality could be fulfilled in a completely different way than originally hoped for and described in many science fiction novels.

SDG



Playing sports, participating in events, experiencing a virtually real journey without leaving one's living room, getting an education, participating in a game or even meeting friends – all this is possible in the metaverse, coupled with simple haptic experiences.

However, some basic human needs cannot yet be fulfilled in the metaverse; we cannot eat or drink there and also kissing is not (yet) possible. However, the entire range of feelings is possible in the metaverse and, of course, also shopping.

In 2021, substantial sales were made with virtual goods for the first time. One's own avatars should of course not have to appear like they are short of money or style, and should be dressed worse than oneself does in real life.

At Christmas 2021, billions in sales were already being made in the form of NFTs (Non Fungible Tokens, specifically virtual goods) with property purchases, non-existent yachts, art objects and branded articles. Nike, Adidas, Gucci, Burberry, Dior and many other branded goods or luxury goods companies sell lines of code for real money in this way.

We have been dealing with digital twins for a long time. We can also bring digital stores to life with the support of "virtual or augmented reality" glasses and thus bring the experience very close to reality for consumers. In a sense, this means that shopping at Harrods in Knightsbridge will be possible without physically being in London. Or taking part in Robert Lewandowski's autograph session at the FC Bayern Munich flagship store on Munich's Marienplatz (this extraordinary location was designed and implemented by the umdasch Store Makers, by the way) and purchasing a personalized jersey of the football star while sitting at breakfast in San Francisco. Being in several places at the same time and confirming Schrödinger, but disproving Einstein, certainly sounds exciting. The world can be explored with almost all the senses without leaving your own four walls.

umdasch The Store Makers and its sister company Umdasch Group Ventures will accompany this boundless journey and open up new, practically infinite markets for our customers. Let's set off together from Marienplatz to the Metaverse and back again (for those who still want to).



From Marienplatz in Munich to the Metaverse (and back again)

Let's flash back for a moment.

In 2003, "Second Life" was launched as an internet application. For the first time, people were given the opportunity to create one or more other lives in a virtual world alongside their everyday existence. One can understand this second life reality as a video game, which, however, could be lived forward based on coincidental occurrences. Almost 20 years ago, however, the technical requirements had not yet been established; neither processing speed nor storage capacity and certainly not the necessary processors for the Second Life experience that would have made the breakthrough possible. Blockchain, smartphones and cryptocurrencies were also still waiting to be introduced, so many of the preconditions critical to success for a broad wave of emigration to Second Life were missing.

After this first, and ultimately only, limited broadly effective attempt to build a parallel world, the idea lost its shine and momentum.

Highly successful video games mobilised hundreds of millions of players in the 2010s and thus reduced the thresholds and barriers to entry. People began to identify more and more with their own characters (or avatars) and invested real money to equip game characters, and upgrade them. Numerous, very successful, business models emerged around the video game market.

From there, it was not far to the metaverse, the combination of real and virtual worlds. The pandemic restrictions set the stage for the idea of a virtual world, though one that was closely interwoven with reality, an unimagined and extremely dynamic boost.

We create

space

Our digital solution

A virtual 360° store experience

Inspired by the mission of the Umdasch Group – We create space – Umdasch Group Ventures have decided to create a virtual experience of spaces such as stores and showrooms. Thanks to 360° technology, this type of experience can be enjoyed on a smartphone, tablet or PC, or as a high-end experience with a pair of VR glasses – at any time and from anywhere in the world.

Existing spaces such as stores and showrooms are simply captured using 360° photography and turned into a virtual experience. Spaces that haven't been constructed yet are brought to life using a 3D model. The design of the virtual experience knows no bounds.

The 360° experience of spaces is the first step towards a metaverse, which is already the focus of several projects within the Umdasch Group:

Doka Forum

The Doka Forum in the Amstetten head offices is a 2,500 m² exhibition space providing customers with an overview of the company's comprehensive portfolio of products and services. Here, a 360° experience enables customers all over the world to discover the full range of services and digitally explore additional information, such as videos and images.

NEULANDT

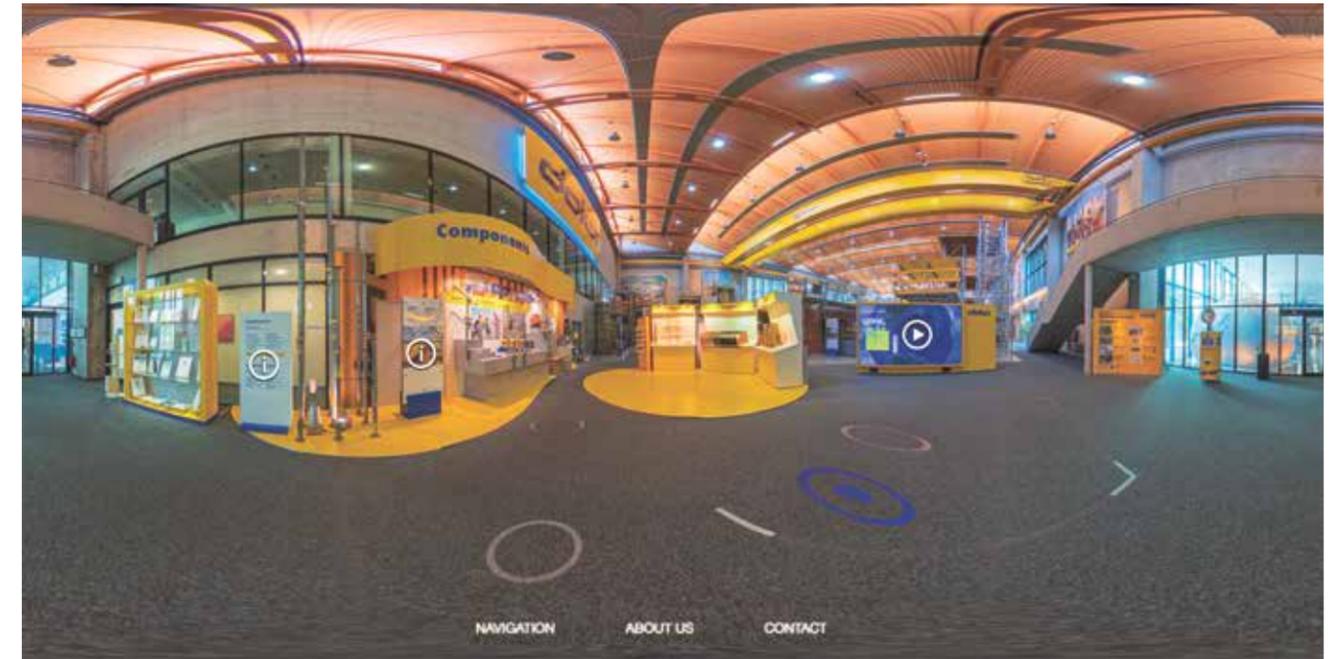
The portable precast plant NEULANDT 3P (N3P) will be used extensively within the African market. A digital overview of the production concept significantly improves understanding in markets that have little experience of this production method. The 360° experience is a perfect way of demonstrating how the plants operate and the added value that they bring. Immerse yourself in the virtual N3P world: <https://vryubiq.com/n3p/>

Further development and future perspectives

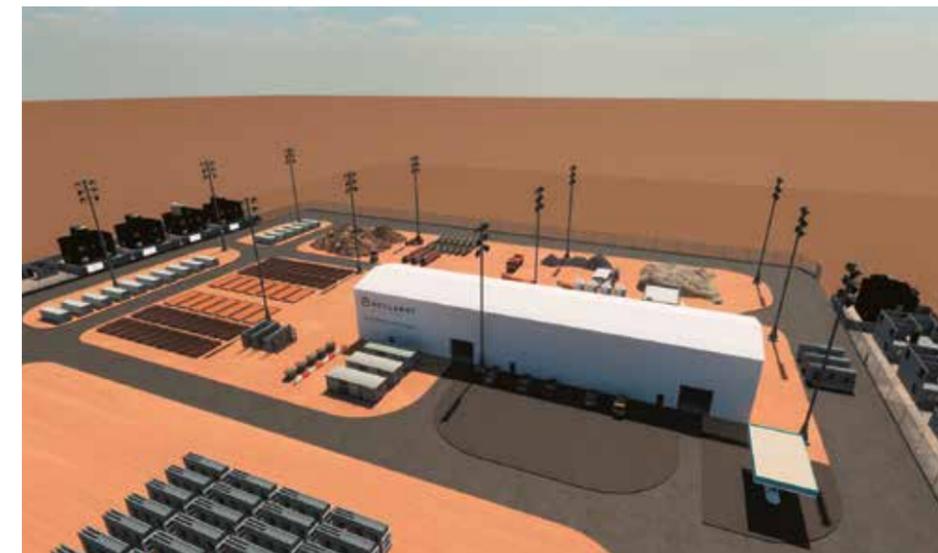
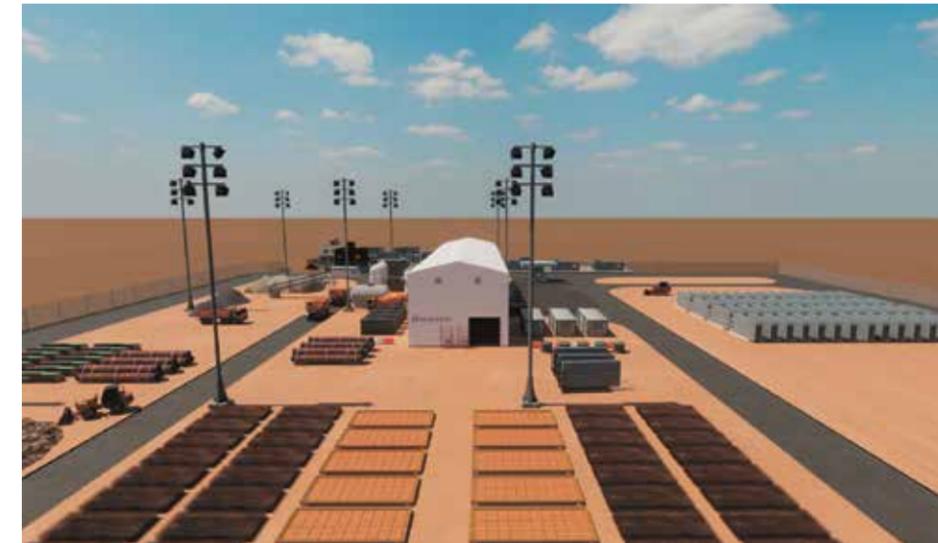
In terms of technology, there are many synergies between construction (e.g. CAD 3D planning and the reality capturing of rooms) and store-making, which open up brand-new branding, marketing and sales opportunities for retailers and manufacturers. Interactive options are also being developed inside the rooms, such as an e-commerce link that will enable purchases to be made inside the virtual store. The solution definitely has huge potential.

Following a successful proof of concept and the development of a market entry concept, the 360° experience will be launched as a service under the new brand Yubiq, which stands for 'ubiquitous' and 'accessible from everywhere'.

Doka Forum



NEULANDT

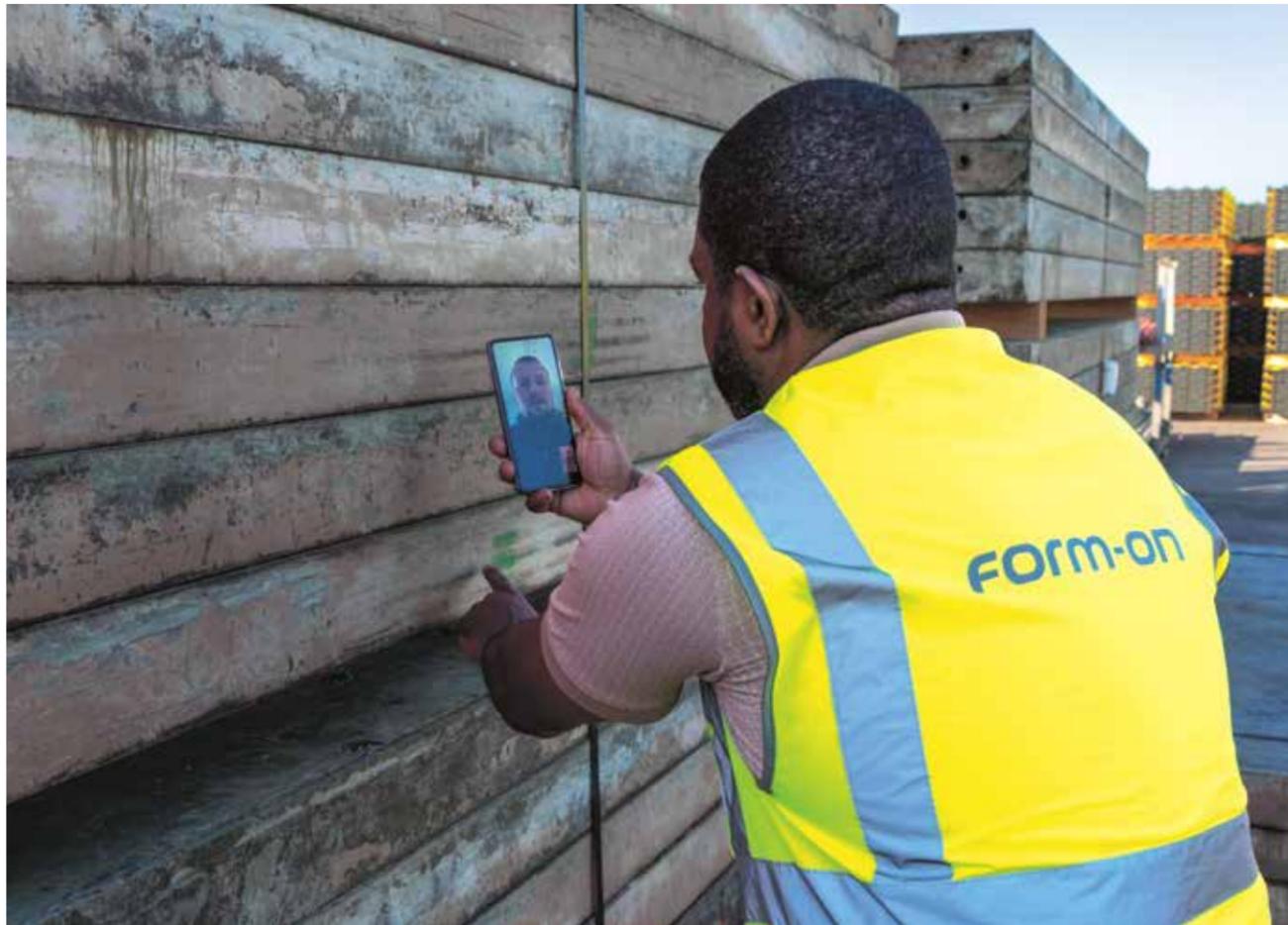


SDG



“What is the The customer request quickest way to inspect formwork?”

Our service Form-on smartVISIT makes it possible



Form-on creates a new shopping experience. View formwork via an online tour and personal video live chat. Simple and fast. Location-independent and flexible.

SDG



“At the start, it was quite unusual to walk through the warehouse with the customer ‘on the tablet’ – for both sides. But with time, that barrier disappears and you just feel ‘smart connected.’ The experience for the customer and their feedback is extremely positive. In the meantime, we’ve already become routinized, and the colleagues in the warehouse are also fully committed to it and make a great contribution.”

Alexandro-Santos-de-Souza
Customer Service Form-on USED

The Form-on smartVISIT is another example of how digitalization in sales is becoming a matter of course.

Literally, a virtue has been made out of necessity. In the recent past, Corona made it impossible to personally inspect the condition and quality of used formwork. However, the purchase of used equipment usually requires an inspection. Customers want to get more information before they commit to buying.

This is where the idea of smartVISITS was born at Form-on. This gives the customer or interested party the opportunity to inspect the formwork from the comfort of their own home. The individual online tour via live video chat through the physical warehouse is very popular. The sales staff answer the questions as they would during an on-site inspection and show the condition of the formwork in detail. In turn, the customer saves a lot of time and can still convince themselves of the quality of the used formwork equipment.

Speaking of quality – quality products with a longer lifespan are currently gaining more and more importance and a higher value when selling as used equipment. The new Form-on components such as the panel, beam and prop also fully meet this demand. Bottlenecks in supply and the exploding transport costs, whether by road, rail or ship, show that quality products have a longer lifespan and therefore need to be renewed less often. This means a reduction or

optimization of the distances from production to the place of use and thus less CO₂ emissions.

At the warehouse in Ennsbach, investments were also made in a container ramp, which makes it possible to load containers directly at the warehouse. This saves additional costs, working time and transport routes. Form-on also launched the new website and digital marketplace for used formwork, further expanding its role as a key player in the global trading network.

In the last about 25 years, labor productivity in the construction industry has fallen by 9.3 %. Growth has been realized exclusively via price increases, which makes affordable housing impossible in the long run.* KREUTZER FISCHER & PARTNER Study July 2019

The question

How can efficiency be increased in construction?

An app against paperwork Our response no. 1

Umdasch Group Ventures and Doka customer Porr have founded a joint venture that solves a veritable efficiency problem. It is called SEQUELLO and has set itself the goal of uniting the order, delivery bill and invoice into a continuous, digital process.

Paper still dominates everyday life on the construction site. No matter what has just been delivered, the foreperson receives a delivery note. At the end of the day, there are many of these delivery notes and many more copies in the site container. With handwritten notes like: "Will be delivered later", "Pallets returned", "Item 3 missing"!

This handwritten note, which previously lay lonely on the foreperson's delivery slip, is now noted in a digital application on the mobile phone or tablet, and immediately the supplier also sees this and can adjust the invoice accordingly or organize a subsequent delivery.

For about two years, we have been working on the implementation of the idea: a common platform in which, ideally, all partners who make a contribution on a construction site participate.

Even our competitors. Because SEQUELLO is more successful the more companies supplying a construction site participate in it. Of course, the data in it is protected and not available for everyone to see. Calculations have shown that SEQUELLO saves up to 8 minutes per delivery note. Multiply this by the assumed 1,000 delivery notes that arrive at a construction site over a period of 3 years. More than 3 working weeks are saved!

SDGs



KPI 4

Innovation Rate 15.2%

Revenues of all innovations (last 5 years)
Sales revenues

Cf. 2020: 14.7 %

A digital assistant to combat productivity slumps

CONTACT GmbH, an Umdasch Group Ventures company, has launched CONTACT, a sophisticated tool designed to optimize construction site management. From A to Z. CONTACT connects materials and human power, demand and resources, and transparently tracks progress on site.



SDGs



Anyone who works in the construction industry is all too familiar with tight deadlines, late material deliveries and staff shortages – not to mention the fact that budgets are often overrun. The CONTACT solution was developed in response to these very problems! CONTACT focuses on increasing productivity along the whole value-added chain, from the digital planning of the construction project to actual productivity on site. It highlights areas in which action needs to be taken to improve overall performance or reduce costs, and also keeps track of subcontractor productivity. All key construction site data is presented on a clear, transparent dashboard.



Many reputable construction companies already rely on CONTACT, including:

Stronger in numbers: our partnerships

Only around one in every hundred start-ups are commercially successful. One key factor that ensures market success for start-ups is strategic collaboration with the right partners. The new software sitelife emerged from the connection with the Tyrolean b.i.m.m GmbH. We are already in discussions with several other specialists in construction software and building materials so that we can drive our next solutions forward together.

The digital future

CONTACT GmbH is focusing on the following key areas over the course of this year: the global delivery of digital solutions for commercial success; the establishment of partnerships with industrial and technological specialists to develop industry solutions; and the merging of the Group's digital and paper-based solutions.

- STRABAG AG
- Anliker AG Bauunternehmung
- dechant hoch- und ingenieurbau gmbh
- Fröschl AG & Co KG
- Glass GmbH Bauunternehmung
- Kapl Bau GmbH
- LEONHARD WEISS GmbH & Co. KG
- Leyrer + Graf GmbH
- MAUSS BAU GmbH & Co. KG
- W. MARKGRAF GmbH und Co KG

KPI 5

Innovative-
ness **3.4 %**

Total expenditure for innovation
Sales revenues

Cf. 2020: 3.1%

CONTACT: a use case

The Marks, a new urban development that comprises three residential apartment blocks, is currently being built in Vienna. And with a name like that, this project is destined to turn heads on the urban landscape.



©schreinerkastler

It will be a landmark in every sense of the term – new technologies, new residential spaces, new collaboration spaces. The tallest of the three apartment blocks, the 128-metre-high The Marks the one, will accommodate 400 separate flats, each with a different floor plan, as well as two children's play-rooms, a swimming pool with sun terrace, a spa, a relaxation room and a gym – not to mention the development's own 400-metre running track and Vienna's largest bike garage, with room for 2,000 bikes. Diversity is high on the agenda here, too, with the development including eight shared flats for students, as well as for pensioners. The resulting concept is an innovative combination of living space, working space, local amenities and leisure.

“CONTACT combines the very best of BIM and LEAN with the human power on the construction site, enabling us to create exceptional added value.”

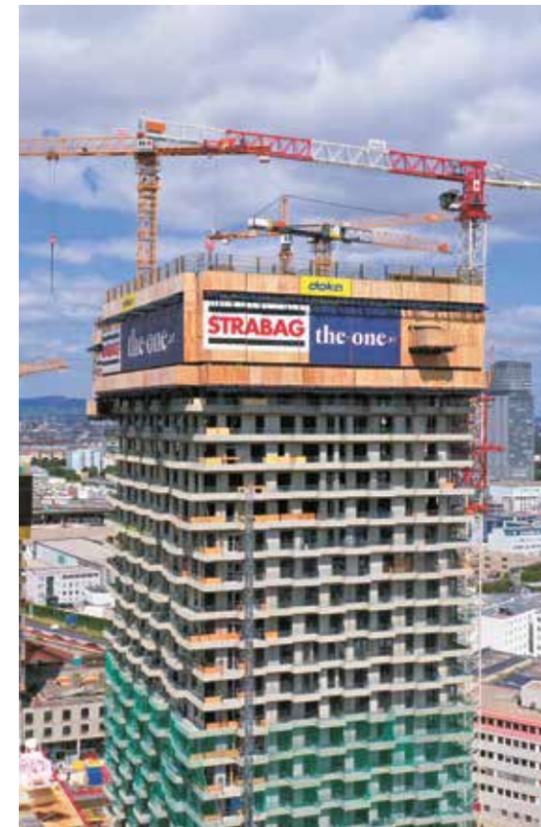
Civil engineer Walter Haberfellner, Function Lead Site Services at STRABAG AG

Construction in record time

STRABAG, the company commissioned with the construction, faces a tight schedule for completion of the shell, planned for 2020–2022. The CONTACT software solution, together with Doka's unique formwork that produces the building's distinctive cantilever and recessed balconies, play a significant role in ensuring that the construction can be completed within this challenging time frame.

CONTACT ensures that the daily and weekly targets are actually met. If any deviation from schedule arises, action is taken immediately. A comparison of similar shell construction packages (walls, ceilings and supporting columns) enables the team to identify and implement best working practices storey by storey so that the apartment block is erected with the optimum approach.

A climbing formwork with mobile hydraulics and a protective screen manages to reach great heights



Doka developed a versatile formwork solution to enable the construction of the building's cantilever and recessed balconies – even at dizzying heights. The climbing formwork from the Doka Xclimb 60 construction series was extended to include a protective screen that completely enclosed the top storeys of the building. In addition, with a portable hydraulics system, the formwork could simply be moved to where it was needed next. This solution also includes floor formwork, enabling the balcony floors to be produced quickly and flexibly.

The use of CONTACT sensors and Concremote help determine the early compressive strength of the concrete, which enables the hydraulically powered Xclimb 60 and the protective screen to climb to the next storey when the supporting structures have reached exactly the right strength.

SDGs



New methods and smart technologies boost major global megatrends



Our Products

Exploding population growth and rapidly increasing urbanization meet a shortage of housing and poor infrastructure. Efficient methods and technologies are needed, along with value-adding processes and ecological materials. Together with our customers and partners from the construction industry and retail, we develop solutions for a sustainable future.

The question “What opportunities do we have to place advertising attractively on our construction site?”

This is a question that key account managers and engineers at Doka are hearing more and more often these days, as Christian Neumann, Senior Engineer at the Global Expertise Center High Rise confirms. Investors, construction companies and marketers want to attract future customers and neighbors' attention even during the construction phase, and are therefore always on the lookout for extraordinary solutions.

Our answer

SiteLight – a new medium from Doka, umdasch The Store Makers and Umdasch Group Ventures

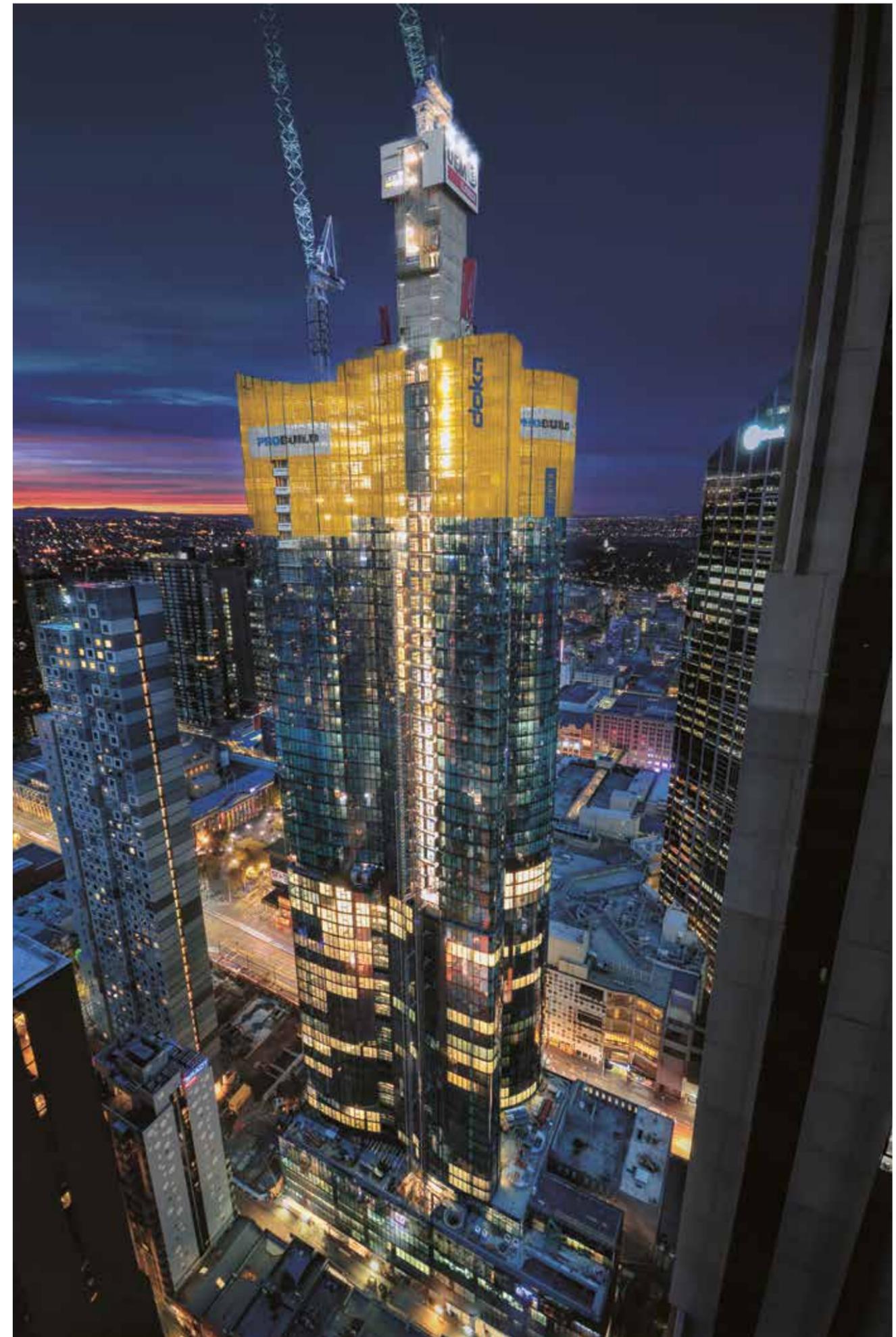
With SiteLight a new form of media was created, along with marketing partnerships, which revolutionizes the traditional advertising banners on construction sites and turns every construction project into a landmark.



Some Doka products, such as the protection shields for high-rise projects or the scaffolding from AT-PAC, are ideal for displaying advertising. So far nothing new. But by creatively bundling such advertising with the digital expertise of umdasch Digital Retail from the Store Makers, such attractive construction site areas can now be developed in an entirely new way. Namely, digitally.

From now on, digital signage makes it possible to show videos and animations as well as interactive playlists with content from the investor or the marketing partner and creates a modern target group approach or interaction with the public space.

SDGs



Sophisticated LED technology

To successfully display such animations, LED technology must be perfectly implemented on construction sites. This requires a high level of integration. Since protection shields on high-rise projects move up floor by floor and have to adapt to the progress of construction, they are a very dynamic environment. Doka engineers and LED experts at Store Makers developed a system that is able to cope with the particularly difficult conditions on construction sites, and also enables high-quality content.



The USP of these surfaces is the continuous change of perspective, which is made possible by growing along the building.

When construction starts, the advertising spaces are close to the people passing by on site. But the further construction progresses, the more perspectives can be covered with our advertising spaces. Whether from far away, from the airplane or from other skyscrapers, the advertising surfaces of SiteLight are visible from almost everywhere due to the unique feature.

SiteLight is dedicated to all valuable, marketable surfaces on construction sites. Whether climbing formwork, construction site fences or scaffolding – the use of our new medium is possible everywhere. If investors decide to provide their construction property as digital out-of-home space during the period of building, SiteLight will take over the distribution with professional marketing partners without additional costs and efforts for the investor.

“SiteLight’s locations offer very extraordinary digital advertising platforms for the unique and exclusive appearance of big brands.”

Katrin Robertson, CEO BlowUP media

SiteLight’s products open doors to new markets for marketers in the digital out-of-home sector that were previously out of reach, enabling new temporary digital advertising spaces in usually highly competitive markets. The unique character of the surfaces covered and the location is particularly worth highlighting, as SiteLight’s products will be used on the highest buildings in the world’s most important metropolises.

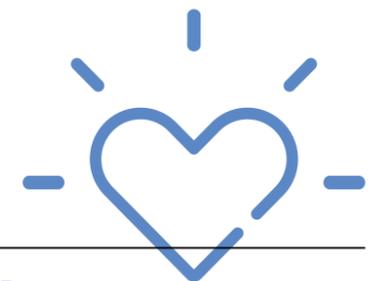


“When umdasch brings Digital Out of Home to the construction site, this results in huge potential for the entire industry and new opportunities for brands.”

Dr. Frank Goldberg, Managing Director
Digital Media Institute Germany

“The need for impressive Real Estate Marketing has been steadily increasing for years.”

Tatiana Zhiganova, Managing Director
at Zeiger Real Estate Marketing



KPI 6

Recommendation Rate

78.4 %

The Net Promoter Score (NPS) provides information about the probability with which our customers will recommend us.

The customer's request

Joel van Cranenbroeck, Managing Director, CGEOS – Creative Geosensing SPRL; for client Serneke in Gothenburg, Sweden

“We were looking for solutions to really position the formwork with millimetre precision.”

Goodbye Fadenlot,
hello Sensorik!

Our method

Digitalization is a game-changer in the construction industry. It already starts with small marvels like sensors.

The plumb bob, which is the lead ball on a thread for aligning formwork on a high-rise building, is a thing of the past. Today, formwork is positioned with sensors. Without errors and accurate to the millimetre. Live monitoring and data recording included. Welcome to the high-rise construction site of today, welcome to Construction Industry 4.0!

DokaXact is the name of the digital tool we are talking about here. And it's easy to understand why customers are so pleased with it: After all, it makes their life on the construction site much easier. Because positioning, adjusting and then monitoring formwork really accurately used to be back-breaking work for foreperson.

In the case of DokaXact, it's all about positioning formwork for vertical building structures like skyscrapers. Instead of humans, the sensor – a fist-sized digital marvel and a real helper – takes over high accuracy requirements. Attached to defined positions on the wall formwork, it determines the inclination of the formwork in real time. Network components process the measurement data and store it. The app on the mobile device such as mobile phone or tablet retrieves the data and thus visualises the position of the formwork elements. In a web portal, the formwork process can be monitored, analysed and recorded at any time and from anywhere in the world.



Some customers are so taken with this tool that they even speak of a site life before and after DokaXact.

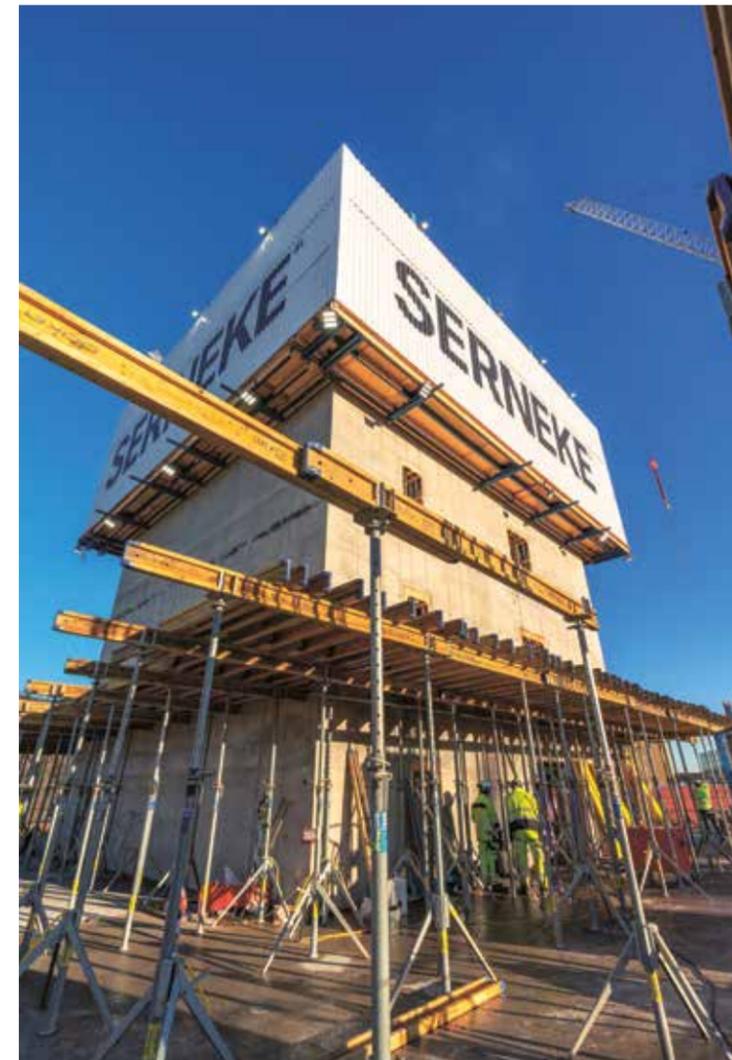
Whether DokaXact for perfect positioning of formwork, Kontakt for the best rhythm in site work or concrete delivery with Smart Pouring – these are just a few of the many tools now available from our digital services. All of them share a developmental leap that has been observed in formwork technology for some time now: using digital components to make tools and processes intelligent and thus gain valuable insights. The development is driven by the customers, who are looking for solutions to save time and money and to build in a better and safer way.

Formwork with sensors makes sense especially for complex, very large construction projects. Tunnels, highrises and bridges need such a precise approach for safety reasons alone, which can only be achieved with sensors. Formwork with sensors is therefore a step towards Construction Industry 4.0.

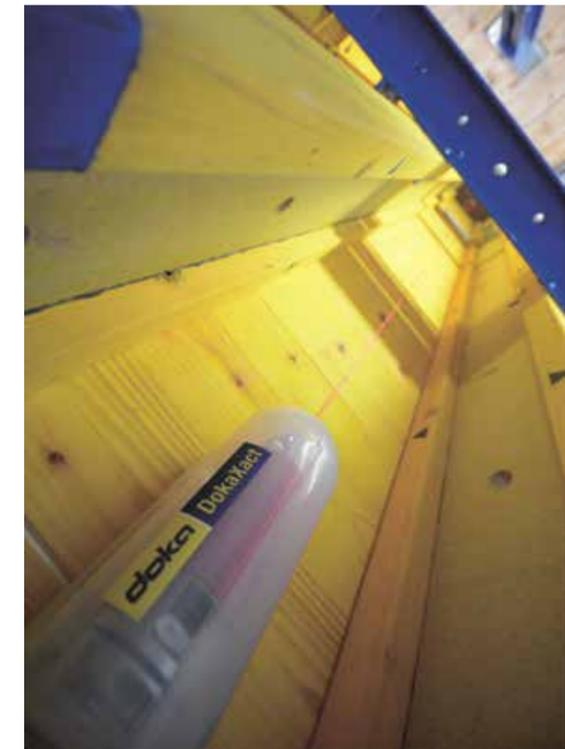
SDGs



1



2

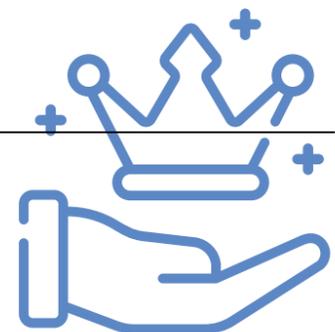


- 1 The use of DokaXact enabled an optimal construction process of the 245 metre high Karlatornet skyscraper in Gothenburg/Sweden.
- 2 With DokaXact, the high accuracy requirements of surveying can be precisely transferred to formwork positioning.

KPI 7

Service
Rate

47.5 %



Revenue from services and consulting
Sales revenues

Short assembly The requirement and fast cycle times

The solution DokaMT: Rentable forming wagon designed according to the construction set principle

The new bypass in Wattwil is a significant milestone for the communities in the Swiss Toggenburg region. It will relieve traffic congestion in the town centres and increase traffic safety in the future. The project is also of particular importance for Doka. The tunnel system DokaMT enjoyed its premiere on the Lochweidli tunnel project. Doka's engineers spent two and a half years developing the system until it worked and provided the answer to the market's requirements: a rentable modular system for short construction phases.

The innovative one-stop-shop model convinced the Swiss construction company ARGE Weidli (Strabag/Heitkamp). And so, the formwork traveller DokaMT formed the approximately 305 metre long Lochweidli tunnel. Doka's solution included not only proven standard components but also a few dozen components specially developed for this tunnel, as well as on-site support for installing and disassembling the tunnel system. After the completion of the tunnel, the formwork traveller was taken off the tracks and back to the rental park. This saved the construction company an expensive purchase.

Lochweidli Tunnel Project

Location Wattwil,
Canton St. Gallen,
Switzerland

Mining tunnel Type of construction

SDG



1 Generous access openings ensure smooth construction site traffic.

305 metres total length



2 Rapid progress on site thanks to pre-assembled and ready-to-use formwork components.

Geological caprice and complex geometry

The situation

The solution Formwork planning in 3D and delivery of pre-assembled formwork modules

In 2022 the catchcry in Töging will be "Water on!" and the Inn canal, partially drained for the last phase of work, will be flooded again. Then 410 cubic metres of water per second will rush a good 31 metres into the deep in the run-of-river power plant Töging and will be converted into electricity in the powerhouse by three machine sets. Enough to supply 200,000 households in the region with electricity every year. The hydro energy planning and construction of the power plant, which will tame the natural force of water in the name of the energy transition, takes nine years.

Doka provided a sophisticated formwork solution for this complex construction project and its demanding geometries. With the help of comprehensive 3D models, parts of the structure were modelled and made tangible. Thanks to custom-built modules that were delivered pre-assembled to the construction site, the construction company PORR was able to concentrate on reinforcing and concreting, thus adhering to the tight construction schedule.

Power Plant Töging Project

Location Töging am Inn, Germany

Hydroelectric power plant Type of construction

SDGs



2,500 planning hours



1 The new, highly efficient Töging power plant is being built beside the existing historic power plant. ©Kasjan Choroba

Power generation of 410 cubic metres of water per second



2 Around 1,400 frames of the Load-bearing tower Staxo 100 were used for the inlet structure.



3 Due to the complex geometries of the turbines and inlet slabs, formwork planning would not have been possible without a comprehensive 3D model.

Road tunnel construction needs an economical solution

The task

The answer

Adaptation of the Heavy-duty supporting system SL-1 for uncomplicated tunnel forming

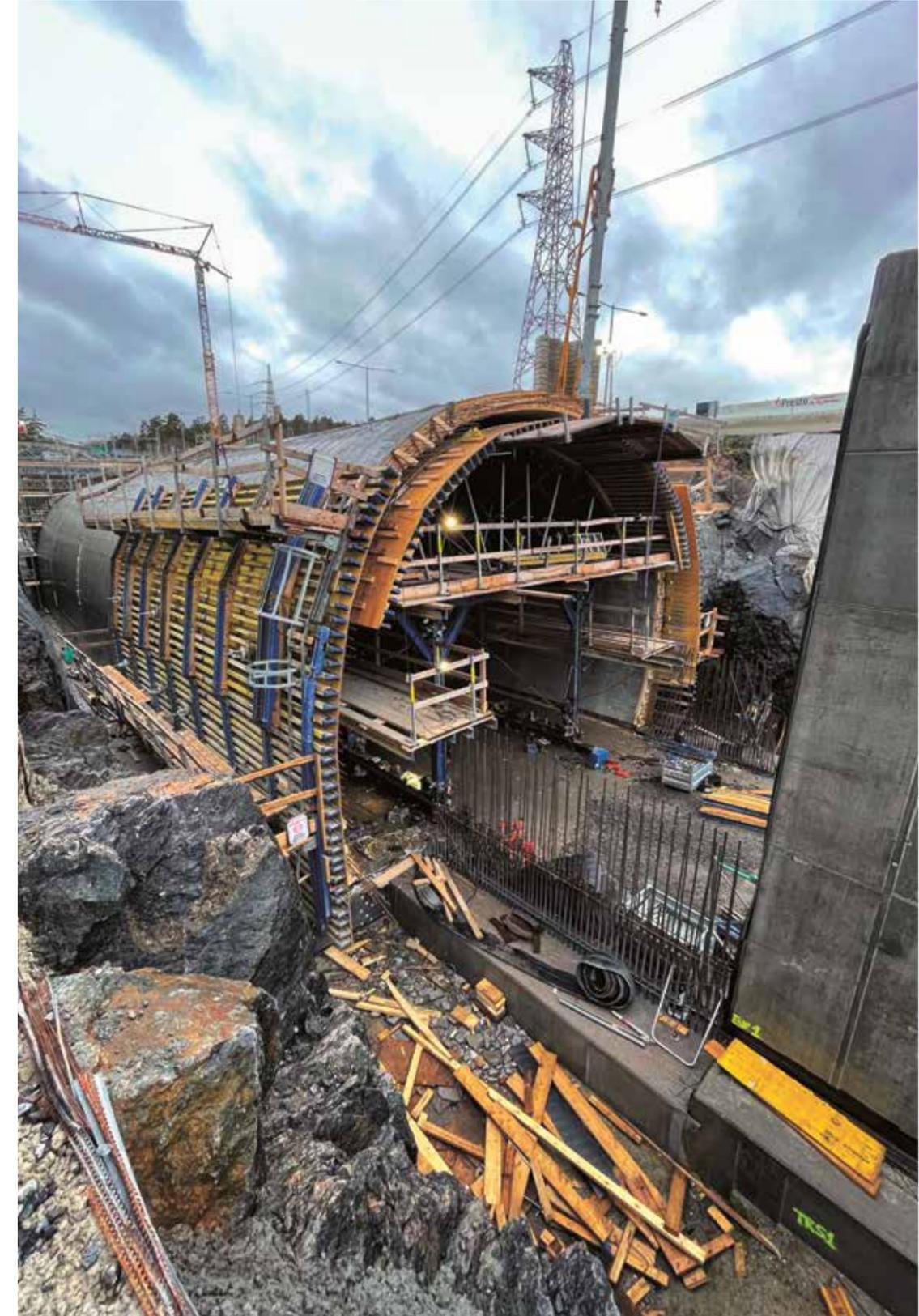
Stockholm is one of the fastest growing cities in Europe. When it comes to traffic, Sweden's metropolis is at a standstill. That is why the Stockholm Bypass has been under construction in the west of the capital for years. For this, the excavation of a tunnel under the land of skerries and holms has been commissioned. A mega-project because a good 18 kilometres of the 21-kilometre route run through the rocky underground. Once completed, the bypass will be one of the three longest road tunnels in the world.

Doka has already contributed its formwork expertise to various sections of the project. Now the focus of their work has been two tunnels in the Skärholmen district southwest of the city centre. For the Doka branch in Sweden this project was unique. The development of a formwork solution for two circular tunnels built using the cut-and-cover method broke entirely new ground. The Heavy-duty supporting system SL-1 was adapted in such a way that the local contractor received an economical rental solution intended to implement a tunnel format of this kind without complications.

Project **Skärholmen Tunnel**

Stockholm, Sweden Location

Type of construction **Circular cut-and-cover tunnel**



1 For the Doka branch in Sweden the tunnel project Skärholmen was a first: developing a formwork solution for a circular tunnel using the cut-and-cover method.

SDG



Bridging the Himalayas with an engineering marvel

[The need](#)

[The approach](#) The right combination of engineering, formwork and safety system

The Anjikhad Railway Bridge in the foothills of the Himalayas is one of the most challenging sections of the Jammu-Udhampur-Srinagar-Baramulla railway link in India. It will be the first cable-stayed bridge in the country once completed. The 473.25 metre long bridge with a single pylon crosses a 330 metre deep ravine in extremely rough terrain.

The challenging geology of the site and the complex structure itself required a sophisticated formwork solution. With the right combination of formwork systems, engineering and safety aspects, Doka was able to demonstrate its climbing expertise on this challenging project. Doka relied on the Automatic climbing system SKE50 for the construction of the 331 metre high pylon with an incline of seven degrees. The system significantly supported the construction progress and protected the site crew from adverse weather conditions. Most of the Large-area-formwork Top 50 was pre-assembled and could remain on the platforms during climbing, reducing the reliance on cranes. This resulted in the project becoming crane-independent after the first step.

Anjikhad Railway Bridge Project

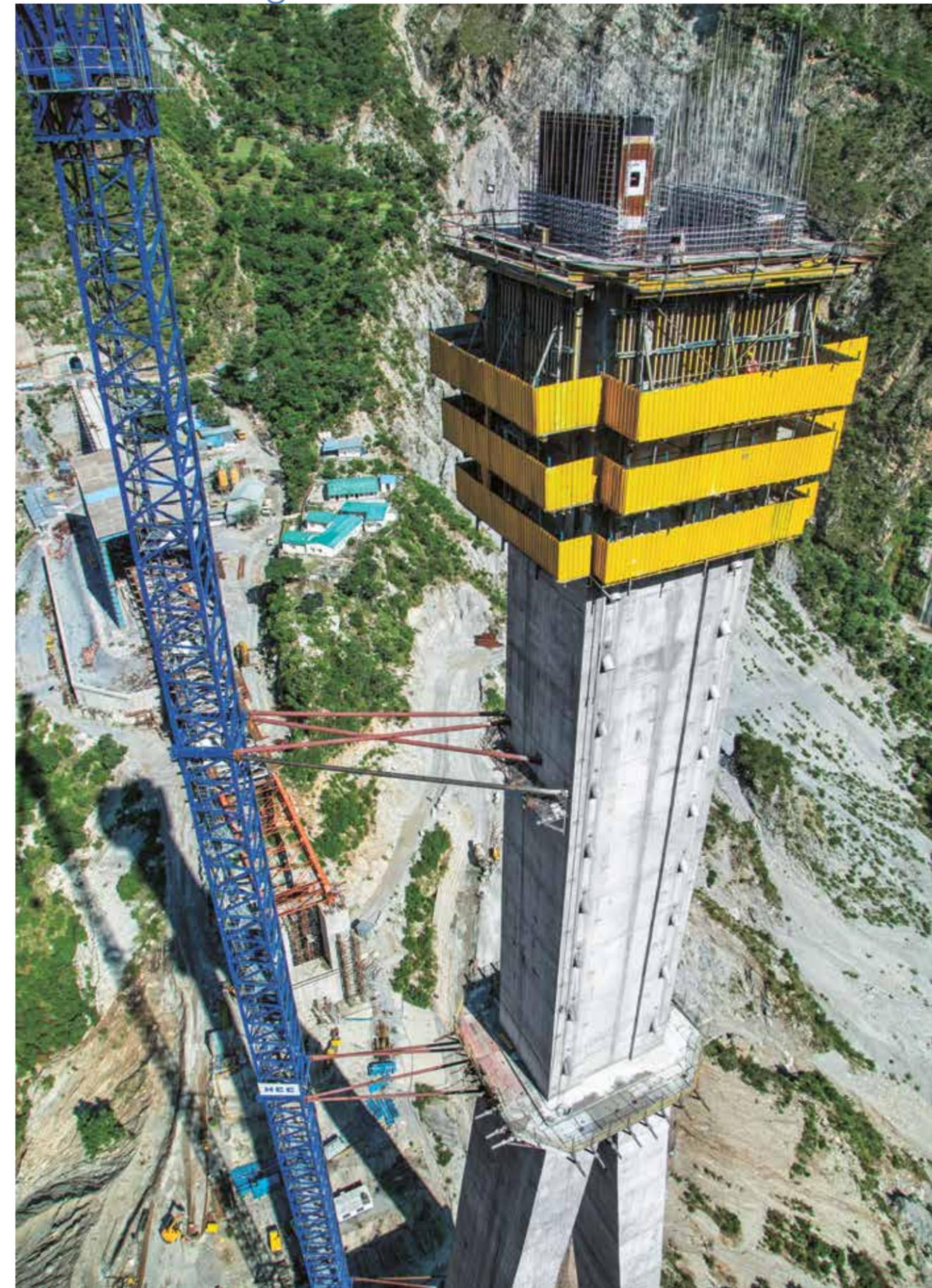
Location Reasi, Union Territory Jammu and Kashmir, India

Pylon Type of construction

SDG



331 metres high



1 Doka's formwork systems climb 331 metres up the single-pylon of the first cable-stayed bridge in India.

7 degrees inclination

Swift construction progress without compromising on safety and quality

Our solution A sophisticated all-in-one package

In the Uzbek capital Tashkent the country's first skyscraper and one of the tallest multi-purpose buildings in Central Asia is rising. The Nest One highrise will measure 266.5 metres and include apartments, offices and a hotel.

For the tight schedule Doka had to find a solution that would enable a fast construction progress without compromising on quality and safety. With a sophisticated all-in-one package consisting of automatic climbing formwork, protection screens and services, Doka was able to convince the contractor. Not only was it possible to reach a six-day cycle, but also less human power was needed to move the formwork and the material was kept to a minimum thanks to a high number of reuses. The overall result on site: considerable time and cost savings.

Project **Nest One**
Tashkent, Uzbekistan Location

Type of construction **Highrise**



1 With 56 storeys, the Nest One multi-purpose building will reach a height of 266.5 metres.

SDGs



Complex bridge structure

The challenge

Our solution

Comprehensive project support

66 metre
high piers

The Aftetal bridge is the centrepiece of the Bad Wünnenberg bypass and shall facilitate travel between Brilon and Paderborn in future. With a length of almost 800 metres and around 66 metre high massive piers, some of which stand up to 120 metres apart, the steel-concrete colossus is a real eye-catcher. The extreme dimensions and complex geometry testify to the high level of engineering that the viaduct entails. This placed high demands on the process, schedule and cost certainty.

For Doka, the task was to make the most of its formwork systems, to make the right decisions in terms of provision and operating time, and on top of that to design safe solutions for the site crew. Doka relied on standard systems and developed customised solutions for certain aspects. The Automatic climbing system SKE100 plus was used for concreting the piers. The V-shaped pier heads required a special solution. On site, the Doka formwork pre-assembly team carried out the initial assembly and repositioning of the formwork for the piers and pier heads. Doka's Composite formwork carriage and Forming wagon TU were used to construct the superstructure.

Aftetal Bridge Project

Location Bad Wünnenberg, Germany

Steel composite bridge Type of construction

SDG



800 m long



1 After a construction period of six years, the 785 metre long Aftetal bridge will be opened to traffic in spring 2022.

120 metres distance between piers



2 The viaduct is supported by six piers, some of which reach a height of up to 66 metres.

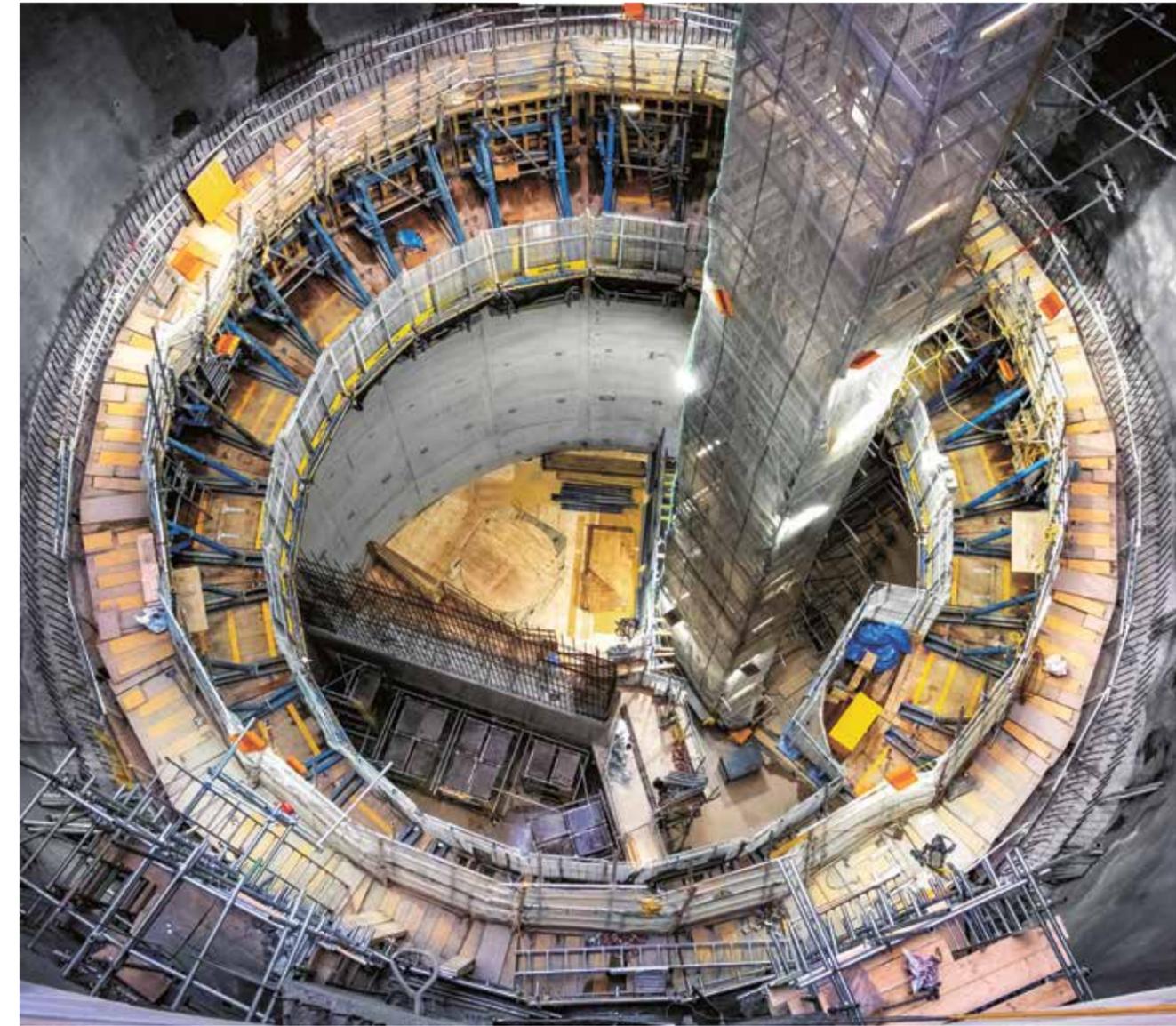
Tight space The requirement conditions and consistent concrete finish

Our solution Clever formwork package with pre-assembled
Top 50 elements

The existing sewer system in London was planned and built in Victorian times for a city of four million people. With London's population now being more than double that, the Victorian sewage system regularly exceeds its capacity, leading to discharges of raw sewage into the River Thames.

Doka developed a sophisticated formwork package for the project section Albert Embankment and its tight space conditions. The solution had to include a single-sided climbing formwork that could be used to shape the 43 metre deep drop shaft. Doka proposed the Dam formwork D22 for this purpose. In addition, the shaft had to be made easily accessible during the construction work. Doka supplied the Load-bearing tower Staxo and staircase structures for this purpose. The concrete surface presented a particular challenge. Due to the requirements and end use of the tunnel and the connection chambers, the concrete had to achieve a particularly consistent finish and comply with class F2. This was achieved with pre-assembled Top 50 elements.

Project **Tideway Super Sewer**
London, United Kingdom Location
Type of construction **Sewer tunnel**



1 Doka supplied a wide range of products and solutions for the new Tideway Super Sewer in London. ©Tideway AE

SDGs



Concrete surface and cantilevers as a design element

[The demand](#)

Our solution Unconventional formwork solution with steel sheets and borrowings from bridge construction

At 220 metres, 830 Brickell Plaza will be the fourth tallest building in Miami once completed. The office building offers world-leading companies, such as Microsoft, first-class private office space. For the general contractor G&E Florida and Doka, this was their first collaboration.

For the unique design of the building and in accordance with the desire for an extraordinary surface of the exposed west wall in the lower part of the building, a variety of formwork solutions were created in close cooperation. To achieve the desired pattern, Doka suggested steel sheets that were cut to size according to the client's ideas and attached to the elements of the Framax framed formwork. The main issue here was to take into account the additional weight of the panels acting on the crane. Doka also adapted a system typically used in bridge construction so that the cantilevers on the south-west and north-west sides of the building could be realized.

830 Brickell Plaza Project

Location Miami, Florida, USA

Highrise Type of construction



1 A new office building is rising in Miami's financial district Brickell.

Efficient and fast construction time

The task

Our solution First-time use of Doka-Slipform

In 2021 the stage was set for a new Doka system in Graz-Seiersberg. Doka-Slipform was used on a construction site as a world-wide first. It was used to construct a staircase for the sports shop of the company Decathlon.

By implementing slipforming in its product range, Doka is responding to customer requests for monolithic construction projects, where the aim is to form without anchoring and thus without construction joints and penetration. With the slipforming method the formwork system automatically pulls itself up hydraulically, making continuous concreting possible around the clock. This makes five to ten metres per day possible, while only three to four metres per day can be realized with other formwork systems.

The main advantages for customers are obvious: a fast construction time, accompanied by a high economical factor. Doka-Slipform's first customer, the construction company Swietelsky AG, was also enthusiastic about this.

Project Sports shop
Decathlon

Graz-Seiersberg, Austria Location

Type of construction Staircase



1 Successful first use of Doka-Slipform when constructing a staircase.



2 The slipforming method allows concreting 24/7, which means that high construction projects can be erected quickly and economically.

Accurate fit and high concrete quality

The request

Our solution Special formwork construction and quality assurance with Concremote

In the west of Linz, a new suspension bridge is being built between the steep and rocky slopes of the Danube valley. The formwork challenge: two anchor blocks that form the transition between the rock anchors and the load-bearing cables on the bank sides. Doka was able to convince the construction company with a special formwork construction for the enormous concrete volume totalling 3,650 cubic metres and the special geometry with an upward tapering radius, passages for tensioning pipes and anchor swords, as well as numerous steps for the bracing. In addition, the concrete monitoring system Concremote was used to minimize the risk of cracking due to temperature stresses in the mass concrete. At a total of 18 measuring points, the temperature of the concrete was continuously monitored and cooled via water pipes running in the ductwork as soon as the core temperature approached 60° degrees.

Danube Bridge A26 Project

Location Linz, Austria

Anchor blocks for suspension bridge
Type of construction

SDG



1



1, 2 Doka supplied a clever package of hardware and software for the construction of the complex, large-volume structure: the customised formwork for the anchor block and Concremote for permanent control of the concrete quality during curing.

The project

“With this flagship store we want to create Magic Moments for our customers and at the same time show responsibility on the topic of sustainability.”

Our solution

“Green” shopfitting, made by umdasch

After opening in October 2021, the Bründl Sports flagship store in Kaprun has represented an architectural and sustainable jewel in the midst of Salzburg’s mountain panorama. umdasch The Store Makers implemented the shopfitting according to the design of architects blocher partners, with digital solutions according to the concept by Muse Content GmbH.

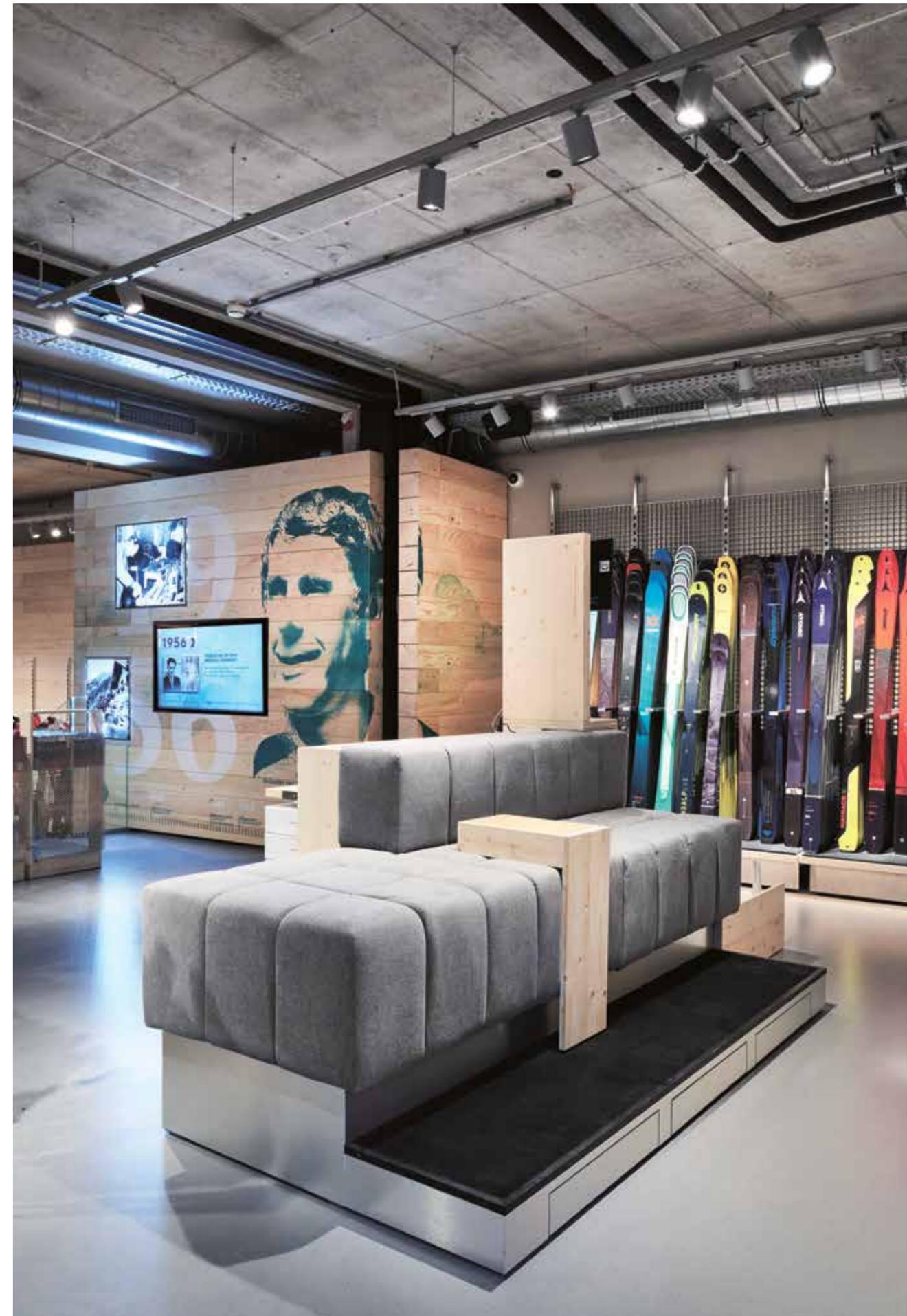


©Christoph Bründl

Christoph Bründl, Managing Director of Bründl Sports, received the highest sustainability award “Platinum” with “Crystal” for his sports store as the first non-food store in Austria to be certified according to the new

ÖGNI* interior system. *ÖGNI certificate (in Germany DGNB) is an award recognised in German-speaking countries by the Austrian Society for Sustainable Real Estate Management.

SDGs



1 The appealing combination of sustainable materials such as wood from Austria and innovative digital elements is what makes the new store so attractive.

The store has a sales area of 2,500 square metres, and an incomparable product and service offer for its sports-enthusiastic clientele. From the glass ski service workshop and the ski boot fitting laboratory in the basement to the exciting bouldering wall and the giant slide for kids, to the lounge/bistro area including a large roof terrace and a skywalk at a height of 20 metres, each of the six levels has outstanding highlights.

Store opening
10/2021

The fact that this is an all-round “green” store is proven by the materials used, which are just as aesthetically convincing:

Sustainable woods from Austria such as silver fir, spruce and fragrant Swiss stone pine, natural stone from Rauris and polished stainless steel, which is durable and resistant to temperature and corrosion. Recycled materials were also used in shopfitting. Plastic panels for the presentation of merchandise were made from old chocolate moulds and textile fibre panels from mainly wool and cotton waste from the fashion industry were used for multi-layered panels and wall coverings.

For the desired highest ÖGNI interior certification, however, it was not only necessary to use only sustainable and certifiable environmentally-friendly materials, but also to calculate the ecological balances of the furniture, the procurement routes of the suppliers and the CO₂ emissions of all transport.

The experienced umdasch Digital Retail team supplied and installed digital elements such as video walls, projectors, individual screens and sound systems for the new store. These support the unique staging of the experience at various points. For example, a 15-metre running track is projected onto the floor of the shoe department with the help of six projectors for optimal running style analysis.

The internal cooperation of the three Store Makers Business Units Premium, Digital and Lifestyle was also essential for the success of this visionary project. Employees from Amstetten, Linz, Zagreb and Duisburg were involved in the implementation.

Location

Kaprun, Austria



3

Sales area
2,500m²

- 2 The new Bründl flagship store blends in like a monolith with the impressive Salzburg mountain panorama. An architectural highlight is the glass panoramic skywalk 20 metres above the Kapruner Ache.
 - 3 One of the exciting digital solutions in the store is the 15-metre-long running track projected onto the floor, which enables precise running style analysis.
 - 4 The store features numerous digital touchpoints, which optimize the customer experience in the form of video walls and screens.
- All photos ©bründl sports, Joachim Grothus



Customer request

A new generation of electronics stores

The solution Emotionalization, digitization and the simplest adaptation

In Bremen, Euronics opened the first specialist electronics store of the new generation in 2021. Extending across an area of 1,200 m², the mega-store is currently seen as the most innovative location of the purchasing association, which is cooperatively organized and which can claim more than 1,200 members in Germany alone. That describes the challenge which umdasch The Store Makers saw and which they ultimately decided on: to develop a concept which could be adapted to the different retail formats, and which would appeal to as many retailers as possible while at the same time not only strengthening the umbrella brand but also introducing a gentle trading-up. With a banderole in brilliant blue meandering through the airspace as a central element linking the touchpoints visually and providing orientation, the shopfitting professionals have shown what a well-rounded concept looks like.

Project **Euronics XXL**
 Bremen,
 Germany

Service **Manufacture, Installation,
 Shop Equipment**

Digital Retail **Concept & Design, Digital Signage,
 Interactive Applications**



1, 2 With the help of the drivers emotionalization and digitization the Store Makers have shown how to create curves while still incorporating corners and edges.



2



3 In-store communication such as virtual shelves encourage conversations between the staff and customers in a playful manner. The Click & Collect has also been taken to a further stage by enabling a shopping experience that is independent of opening times as a hands-on service, which is familiar from pick-up stations.

SDGs



The challenge

A supermarket hall on a historical place

The answer The right feeling for historic preservation, delicate building fabric and contemporary shopping

Today the former banking hall of the Wiener Bankverein is a superlative supermarket. In the heritage atmosphere of the historic protected building, Austria's leading hypermarket has curated a sort of "best of" of its product range. But special laws govern the realm of the atlantes, glass windows and ornamentation. For the umdasch Store Makers this meant that they had to manage the shopfitting with care regarding the building structure, as well as taking the typical pitfalls of old buildings into account, such as varying floor levels, and areas with nooks, crannies and stairways. Shelves, gondolas, chilled counters – all the presentation furniture was specially constructed for the historic setting. The new Interspar Schottentor charms customers, as they move through contemporary shopping terrain and simultaneously remain in close contact with history.

Project **Interspar Schottentor**

Vienna, Austria Location

Value Engineering, Installation,
Shop Equipment Service

SDGs



1, 2 Delicacies from all around the globe with specialities from Austria can now be found in the historic building. ©INTERSPAR/Brunnbauer



2

Maneuvering a The challenge demanding project through challenging times

The solution General Contracting as a compass in turbulent times

A complex store project in London in the time of the pandemic, demanding materials and sophisticated furnishings, and the inevitable tight time frame – the demands for the new flagship store for Stone Island in Soho resemble scenes from a movie. Because of Covid-19 umdasch The Store Makers, which obtained the contract as General Contractor, found themselves in the role of the supervisor who had to bring together suppliers from all over Europe and manage them from a distance. In particular, this included the flooring of Italian natural stone with its connecting joints and channeling demanded precision work of the highest quality. Thanks to the intensive communication and flexibility of all those involved, the new show place was carried out successfully from the start. And the logo of the cult brand, the compass badge, became a symbol for the project which had been safely navigated through the lockdown.

Project **Stone Island**
London, UK Location

Service **General Contracting, Manufacture, Installation**

SDGs



1 The re-designed Stone Island flagship store in London presents the cult brand as a mixture of desirable design objects and a sort of walk-in wardrobe.



2 The store is characterized by exclusive natural materials and innovative textures, which – atmospherically illuminated and cleverly arranged – are combined to create an inspiring ambience. Photos ©Stone Island

From shell to hotel in Lean Luxury Style

[The customer order](#)

[The solution](#) General contracting + complete interior construction

The Ruby has opened a new hotel in Cologne, on the site of the former Capitol, where Harald Schmidt and Stefan Raab once left their mark on the genre of the German-language Late-Night-Show. Like all the hotels in the group, "Ella" follows the philosophy of the Lean Luxury Style, with references to the culture of the location where it lies. As General Contractor, umdasch was responsible for the exclusive interior construction. That meant refining the shell of the building and providing the structure of all the rooms and the public areas including the Lobby and Bar. With its General Contracting expertise umdasch realized a total area of 5,000 m² with 186 guest rooms across six floors. This included graceful furniture designs of brass and marble and elegant solutions like the electronics embedded in the counter for the smart self check-in. Integrated vintage furniture and decorative artefacts in mid-century chic pay homage to the film and television scene of Cologne and the Capitol cinema.

Ruby Ella Hotel & Bar Project

Location Cologne, Germany

General Contracting, Manufacture,

Installation Service

SDGs



1 With the General Contracting expertise of umdasch 186 rooms have been transformed into Ruby's Lean Luxury style.



2 Built-in units in characteristic style, vintage furniture and decorative artefacts in mid-century chic refer to the film and television scene of Cologne – and recall the glamorous era of the Capitol cinema. Photos ©Ruby Hotels

New demands for the
workplace open up
plenty of opportunities

Our People



Expectations and requirements rarely meet as directly as they do in the workplace. The respective demand is high. This inspires and challenges us. To rethink, to change old ways of thinking and acting, and to develop completely new ideas, so that a “great place to work” becomes a “best place to be”.

The challenge

The shortage of skilled workers is weighing heavily on the economy and, according to the latest studies by the Austrian Federal Economic Chamber, has reached a new peak. The construction industry and the manufacture of wood products, and thus Doka's core business, are particularly affected.

Source: ibw company survey on skilled worker demand and shortage 2021

Our initiative

We are strengthening the internal training of skilled workers, creating additional apprenticeships and even a new apprenticeship profession



In 2021, 17 new apprentices started their training at Doka in Amstetten, and 28 apprenticeships are planned for 2022 – from metal technicians and technical drawers to commercial apprentices. For the first time, there will also be an application developer for coding, which takes into account the increasing demand for software applications. Today we would like to shine a light on three of our apprentices:

SDGs



Name: Simone Dippelreiter
Age: 17
Apprenticeship: Mechanical engineering technician in 3rd year of apprenticeship

How did you become an apprentice at Doka?

Oliver: I attended a Higher Institute of Technical Education, but found that it wasn't right for me, so I looked up apprenticeships on a portal and discovered application developer. Doka is one of two companies that will be training this new apprenticeship profession throughout Austria for the first time in 2021, so I applied. The process then went quite quickly. After a trial day and a test, I got the acceptance.

Kevin: I previously completed a tinsmith apprenticeship. After an accident at work, I had to reorient myself and wanted to stay in the construction field. I had actually considered working as a technical drawer. After a trial day, however, I decided to become a design engineer – this gives me an even broader education.

Simone: At first I didn't know what kind of apprenticeship I wanted to do, so I had a look at 20 professions – from hairdresser to office worker to carpenter – everything was there (laughs). I'm from the area, so I knew Doka and the Umdasch Group, and the mechanical engineering apprenticeship in the metal sector appealed to me in the end.

What does your everyday life look like and what are typical tasks you do?

Simone: I work from 6:45 a.m. to 4:00 p.m. and am assigned to various departments – these include our woodworking and metalworking departments, the central warehouse and even the training workshop. I learn things like milling and welding, but also work a lot with CAD programs. I also write programs for our large production machines. I think that's particularly cool: operating these large and expensive machines so that they work alone. Not everyone can do that.

Kevin: In my department, we have flexible working hours. I really appreciate that because I can organize my time very freely. Generally, I support colleagues on tunnel projects and take over individual part drawings. Since no construction site is the same, it's very varied and international. I have already worked on projects in Asia, Australia and Europe. For me, the best feeling is to see how the parts I develop are used on the construction sites. But in the course of job rotations, I'm also in departments like R&D and develop new parts there.

Oliver: I hardly have any standard tasks. In fact, I come into the office in the morning without knowing what I'll be doing that day. But I particularly like that. Depending on where problems arise in the systems, I fix them. I get really sucked into the challenges, and I'm happy when I can solve them. I also independently maintain systems and have my own projects. I'm currently working with Marketing on an info screen for the bauma trade fair, which will be used for product searches and will have new features.

Name: **Oliver Baumgartner**
Age: 17
Apprenticeship: **Application developer in the 1st year of apprenticeship**

Oliver, how do you feel about being one of the first in a new apprenticeship profession?

Oliver: Generally great. Of course, sometimes things still need to be figured out, like parts of the curriculum at the vocational school and being a class of two is weird (laughs), but it's also exciting to get to know content from the systems engineers and network engineers. And with the group of app developers at Doka, I feel very well taken care of. Also in general at Doka. We have modern equipment and the offer for apprentices and employees is enormous.



Kevin, you're doing this apprenticeship as a second course of education, what's different here?

Kevin: Well, of course I'm older than most of my colleagues at the vocational school, although the good thing about the design engineer apprenticeship is that there many other Higher Institute of Technical Education graduates who are also older. In general, I also thought construction was cool during my first apprenticeship, but now I think construction is a perfect fit for me now. I definitely want to stay in the field and at Doka after my apprenticeship. The colleagues here are a dream.



Name: **Kevin Punz**
Age: 27
Apprenticeship: **Design engineer in the 4th year of apprenticeship**

Simone, you are a great role model for "women in technology", how are you doing in the "male dominated" world?

Simone: I do have to assert myself from time to time, but once you've shown that you can do something, it's no longer an issue. Even in my vocational school, there are already about 20 women in technical apprenticeships. So girls, have the guts!

Kevin: And don't take any crap ... (laughs)

Simone: Exactly (laughs, too). Although that's not a problem here and everyone is very helpful. And when it comes to logical thinking and technical understanding, we women are in no way inferior.

Do you have any other tips for young people interested in apprenticeships?

Simone: A resounding yes to apprenticeships! You are more independent and have your own income.

Oliver: And endless possibilities! I wasn't aware of a lot of things. Like the fact that you can do a second apprenticeship or apprenticeship with Matura (A-levels) – I'm thinking about that right now.

Simone (grinning): I'm also doing an apprenticeship with a Matura. But you're right. It's hard to make a decision like that when you're 15, and you often don't know enough or are influenced by your environment. But it should be a personal decision what you want to do. So it's best to inform yourself and try it out on trial days.

Kevin: In general, nothing is set in stone. You can always change your mind. I knew a girl who changed from a confectioner to a tinsmith apprenticeship. (laughs)

Oliver: I also didn't know that you have good chances of promotion with an apprenticeship.

Kevin: Absolutely. Especially at a big company like Doka. Here you can develop in many directions. That keeps things exciting.

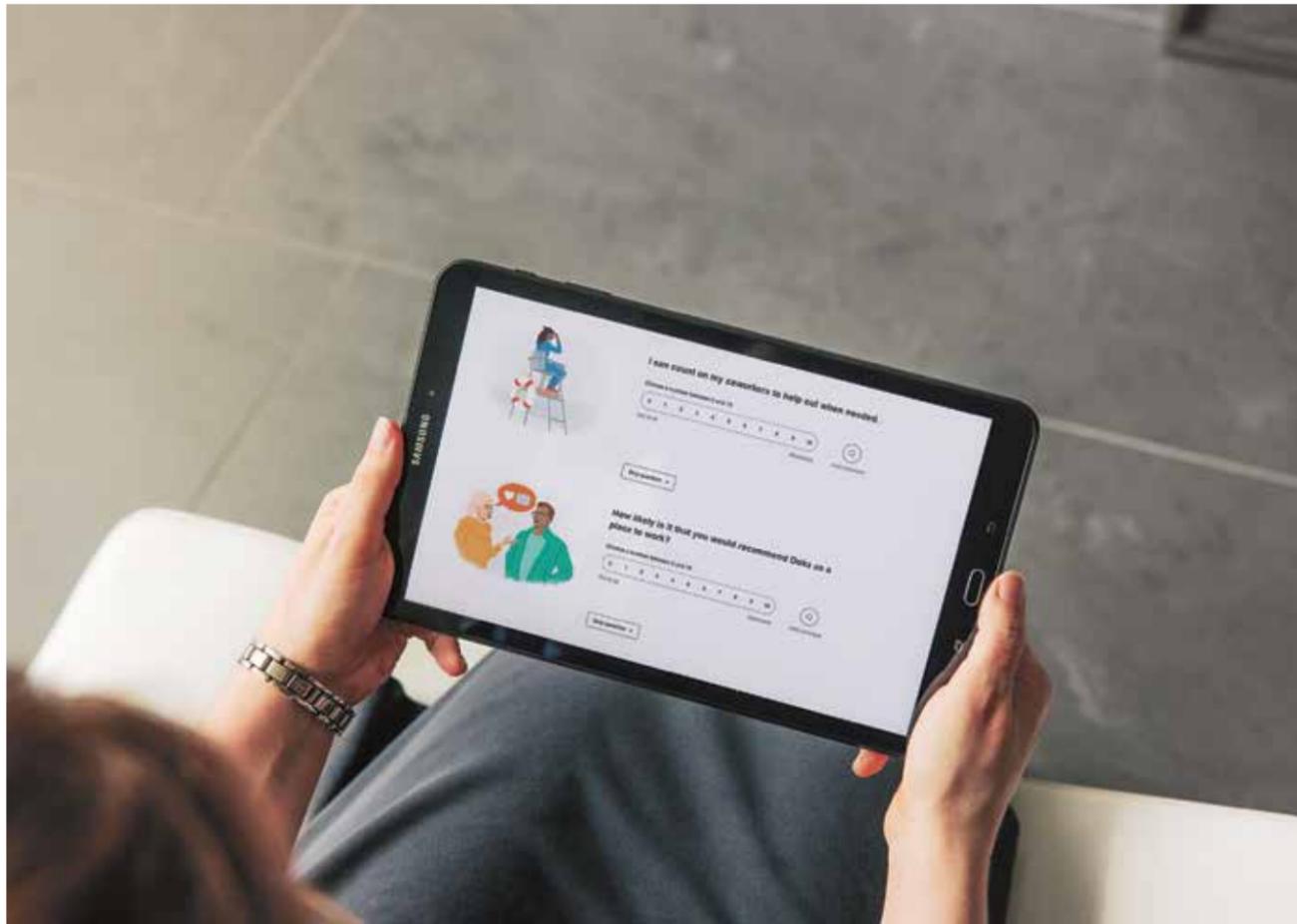
The initial situation Employee engagement is the extent to which employees are passionate about their work, committed to the company, and go the extra mile for colleagues, customers, and the employer. Furthermore, engaged teams can do even more:

According to the Gallup study, engaged teams have

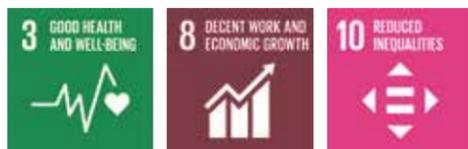
- 10 % higher customer ratings,
- 17 % greater productivity,
- 21 % greater profitability,
- low turnover

Our path

Engagement for more engagement



SDGs



With these impressive facts and based on inquiries from employees, it was not difficult for the Executive Board of the Umdasch Group to decide in favor of measuring employee engagement. And it even went one step further: The board members anchored the survey as one of the pillars of the sustainability initiative “Living Social Responsibility” centrally in our group strategy.

This was the starting signal. In 2021, a large-scale pilot phase started as well as the preparation for a worldwide rollout of the chosen survey tool, which fulfilled the set basic requirements of absolute anonymity, easy handling and a far-reaching comment function.

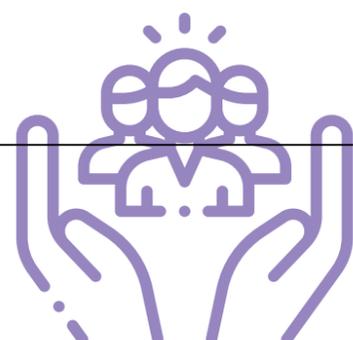
It was a great start: it quickly became clear that our employees were enormously committed to increasing engagement. The Store Makers showed a pioneering spirit and involved the entire organization during the pilot phase to give everyone the opportunity to be heard. Doka Canada set a high internal standard by accompanying the employee engagement survey with an event, including popcorn and an ice cream truck. And our production sites achieved an incredible participation rate of 75 % of all employees and temporary workers thanks to a special yard employee concept.

In June, the roll-out of the tool will be completed on schedule and all employees worldwide will have had the chance to make their voices heard via the engagement survey. But after that, the real work begins: We have committed to sharing the results with all employees, to jointly address the feedback and to derive sustainable measures for our working environment and our corporate culture. It will then be exciting to see how the measures will impact the next round of surveys in 2023.

KPI 8

Voluntary Social Benefit Rate

€ 3,066



Voluntary social contributions
Number of employees

Cf. 2020: € 2,579

Another year in Corona mode – an exceptional state becomes routine

Can you guess how our intranet welcomed our employees at the beginning of 2021? Right, with an update on our global Corona measures.

It would be inappropriate to call it a habit. And yet, after one year in Corona mode, we had learned how to live with the virus on a day-to-day basis. 2021 was characterized by strong market demand, which was our focus. So we had to find a balance between the health of our employees and the health of the company. Good processes and new, digital communication formats supported us in transparency, speed and efficiency, and thus helped us to get through 2021 as “healthy” as possible.



Testing, testing, testing

The fact that we have been able to maintain our production capability at all times, despite two general lockdowns and high infection levels in the general population, is to a large extent due to consistency in following our measures. Last fall, due to massive covid incidences in Austria, the 3G rule was introduced in companies. This meant that only those who had recovered, been vaccinated and/or PCR-tested were allowed to enter the company premises. We reacted immediately:

As a service to our employees, a permanent test station was set up, which allowed free testing that adapted to work shifts and guaranteed a timely result.

SDG



Vaccination in the company

In May, the time had finally come: companies were allowed to vaccinate. In Amstetten vaccination site was set up and about 600 employees had their first vaccination there, with their second vaccination following in July.

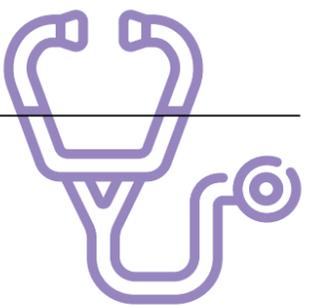


In addition, a mobile vaccination bus made frequent stops, offering people who chose to be vaccinated at a later time this opportunity during the fall. This offer was accompanied by a worldwide internal campaign aimed to inform our employees of the importance of an anti-Corona vaccination.

Constantly changing legal regulations, their usually very short announcement times and unclear phrasing made it difficult for the population to find their way through the Corona jungle. Our HR and communications department was therefore in demand: regulations had to be checked at high speed, interpreted accordingly and communicated to the staff in a simplified form. Whether quarantine rules, special childcare hours, new home office laws, changed travel regulations, the 3G rule or the question “What does this mean for us now?” – we have been able to demonstrate our adaptability in pandemic matters for the second year in a row in 2021.

KPI 9

Health Ratio



96 %

Presence days at work
Total working days

Cf. 2020: 96.5 %

Increasing responsibility for project managers

The go-ahead for the new umdasch Store Makers Project Management Academy, which will run for three years, was given in January 2022. The programme focuses on communication and conflict management. Across a total of six modules, project managers will receive in-depth knowledge on a comprehensive range of management skills. The courses, held in German and English, are accompanied by several internal and external experts.



Our course

The Project Management Academy as a know-how booster

For many decades it was an essential part of the umdasch Store Makers' self-image to produce high-quality furniture for the design of sales areas and to assemble it on construction sites. This is still a supporting pillar of the company's strategy today. However, the range of services has broadened immensely: from conceptual consulting to furniture and digital design to general contracting and the implementation of digital signage, electronic shelf labelling, etc. Accordingly, the demands on the Store Makers have changed – especially those on the project managers.

But one thing has remained the same: the core task of managing retail projects and worlds of experience with all their participants and different hardware and software requirements in order, ultimately, to achieve the best possible results for satisfied customers. Challenges such as scheduling difficulties, delivery delays or costing discrepancies have to be overcome while meeting the expectations of customers, suppliers and internal colleagues – a balancing act that is no easy task. Being a project manager also means deciding on the success or failure of a project and ultimately of the company.

Project Management 2.0

umdasch takes this fact into account and has developed a customized training programme together with experts. The multi-year training programme is based on our own experience and is enriched with expert knowledge, the latest techniques and plenty of room for exchange. The module "Communication meets Negotiations" was deliberately chosen for the start. Over the course of two days, colleagues from different business units gather theoretical basics on the topic of communication and cooperative negotiation and apply them in initial test situations. The programme also includes topics such as Contract & Claim Management, ERP & Software Tools, Project Management Methods, Commercial Basics and Product & Market Knowledge.

Success with the most important skills

Petra Böttinger-Barth, Director Human Resources, sees the Project Management Academy as a forward-looking initiative: "In order to be able to exploit our potential in the long term, the goal must be to optimize our projects both sustainably and economically. The central success of every project therefore depends to a large extent on the experience and skills of our employees. With the Project Management Academy, we offer our project managers an excellent internal training opportunity that also aims to achieve a high level of employee satisfaction."

Satisfied customers, happy colleagues, proud project managers and successful retail stores ultimately lead to sustainable corporate success.



KPI 10

Education & Training Intensity 1.8

Training sessions and/or teaching units
Number of employees

SDGs



From the dawn of computing to BIM and IoT, technologies have evolved rapidly in recent decades. And as modern research initiatives show, this trend will continue. New modern technologies are conquering the markets and we are supporting researchers in exploring the potential areas of use.

Is it possible to convey content with augmented reality (AR)? The questions

Polycular – an Austrian design studio specializing in apps, games and AR/VR projects – says: Yes, new technologies are well suited for this. They already showed this in 2018, when they won our Josef Umdasch Research Prize with the idea for a learning experience platform. In the course of this, they also collaborated on an AR app that playfully presents various facets of the Doka world.

The idea In an “Escape Room” concept, applicants and new employees solve tasks in various modules and stations, learning about worldwide Doka projects and “formwork 101”.

After that, further modules are planned – including a section dealing with the history of Doka. In 2021, a separate project group was formed, which is currently preparing the content for the app. The first version should be available for use from bauma 2022 and will be available in German and English.

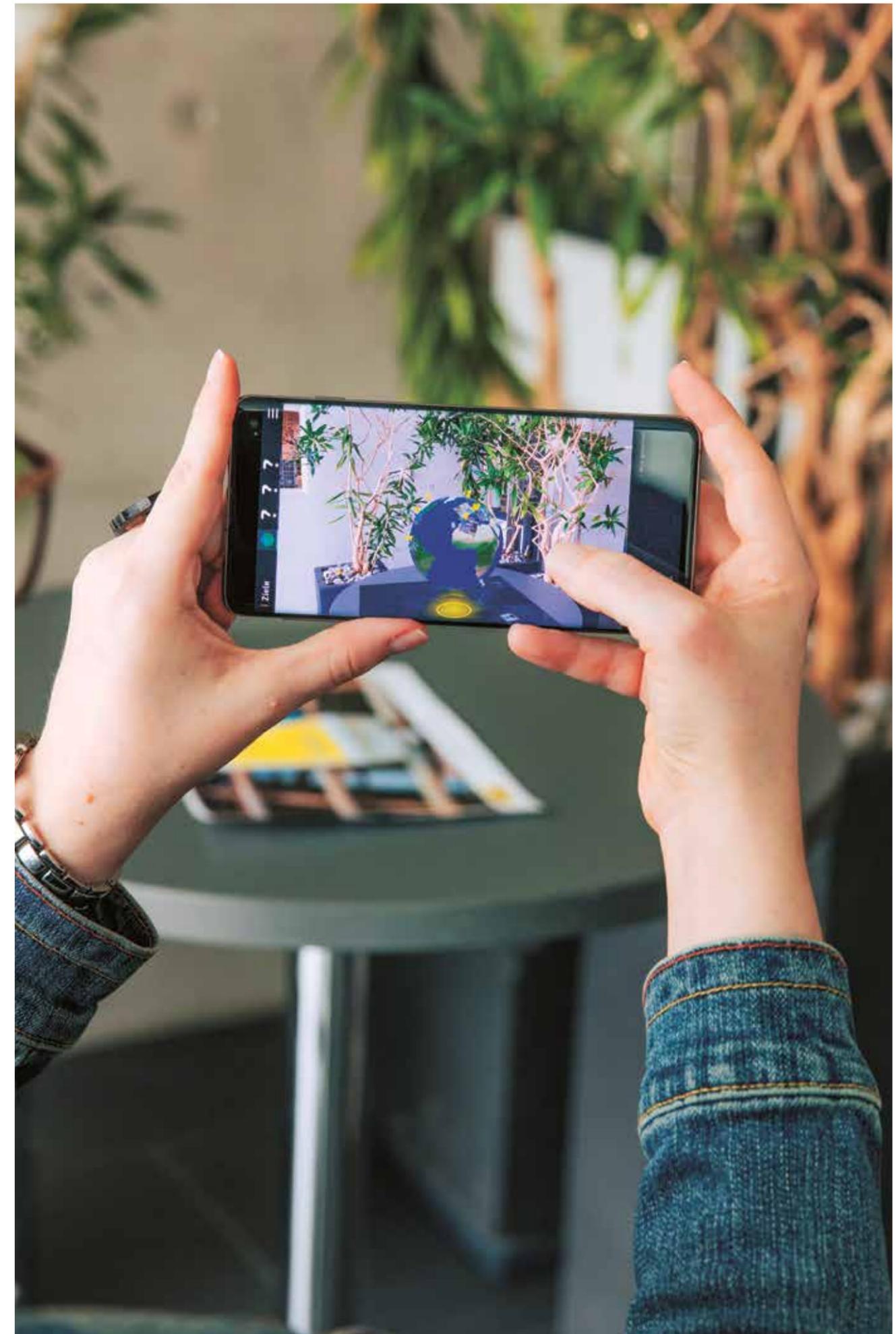
Can social skills be trained in virtual reality (VR)?

An exciting question, especially in times when Covid-19 has severely limited other training and development opportunities. A research initiative – a cooperation of the Institute for Advanced Studies Vienna (IAS), the institute for cultural excellence, Karl Landsteiner University, Polycular and the Austrian Institute Of Technology – approached us with this question.

Our test The “Virtual Skills Lab”

Together with Doka managers, the team developed content on social skills and, building on this, formulated a dialog. This dialog scene was integrated with a virtual dialog partner in the “Virtual Skills Lab”, which was developed by the researchers in recent years, and tested by Doka employees in a three-dimensional virtual reality environment in the summer of 2021.

Our conclusion: There is still room for improvement when it comes to teaching social skills. But even if the technology cannot yet be used as a standard, it could open up exciting new avenues for personal development in the future.



SDGs



The thesis Climate action in the company requires employees to be on board

Seven Doka employees are now Climate Rangers Our measure

In order to build up knowledge on this highly relevant topic and anchor it in the Doka corporate world, seven Doka employees completed the Climate Ranger Academy: The transformation can only succeed if the topic of sustainability is integrated in a company's corporate strategy, its own core processes and its day-to-day operations.

The focus of this online training program for companies is clearly on teaching profound climate knowledge: In the five-week program, there were two course units per week with input from eight different experts/speakers. In addition to a well-founded "climate change 101" and approaches to CO₂ reduction through mobility concepts, the focus included also sessions on team commitment and key drivers for sustainable transformation.

In addition to the expert talks, the agenda also covered networking and the exchange of best practice experiences with other companies. According to the motto "Learn. Connect. Act", seven Doka colleagues from the DACH region had the opportunity to take part in this training program. They went through an internal application phase in which a letter of motivation was used to secure a ticket to become part of the coveted Doka Climate Ranger training program.

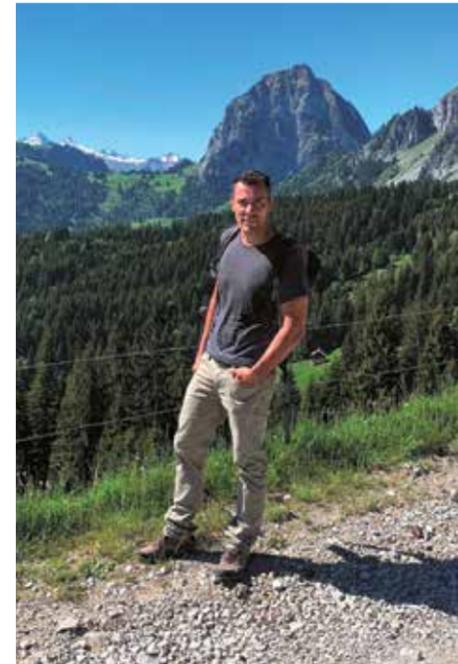
Statements of the participants confirm the particular importance for further education in the field of sustainability:

Alexandra Liebmann, Doka Austria



"This training has opened my eyes to what is now the biggest and most momentous issue in our world – and now there's only one thing left to do: let's tackle it all together!"

SDGs



Stefan Kästli, Doka Switzerland

"I was surprised to learn that about one-third of global greenhouse gas emissions are related to our food and agriculture. Whether in our private lives or at work, we need to talk about this issue with other people. The more that get involved, the more we can move!"

"Participating in the Climate Ranger Academy showed me that you should question your own behavior in order to contribute to climate protection by using alternative solutions."

Ronny Kühne, Doka Germany

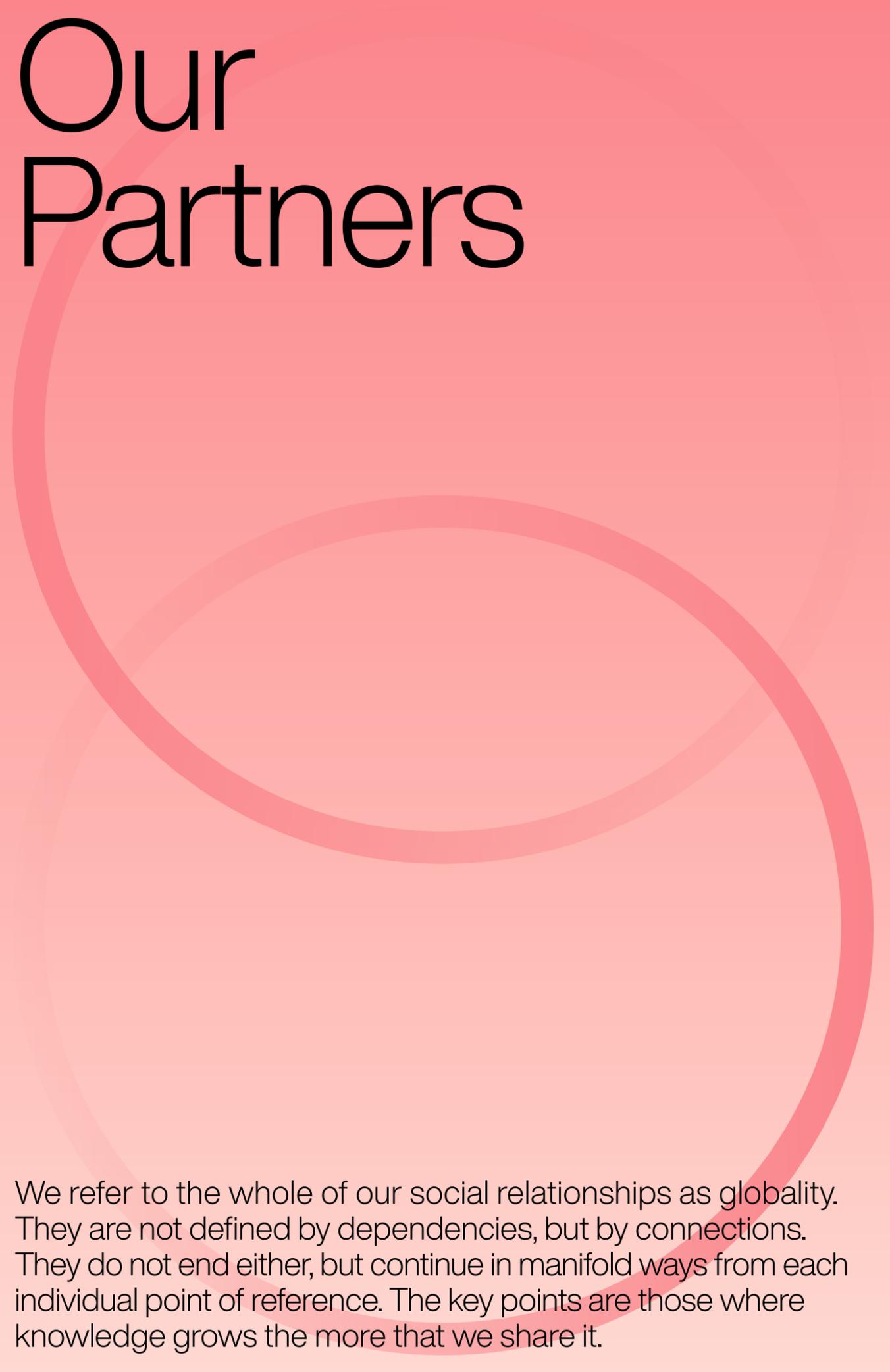


"I was touched by the importance of the topic of climate change and its consequences for us and the effects that will occur in the future. I am pleased to see how many companies from various industries participated in the Climate Ranger Academy."



Andreas Watz, Doka Germany

Our Partners

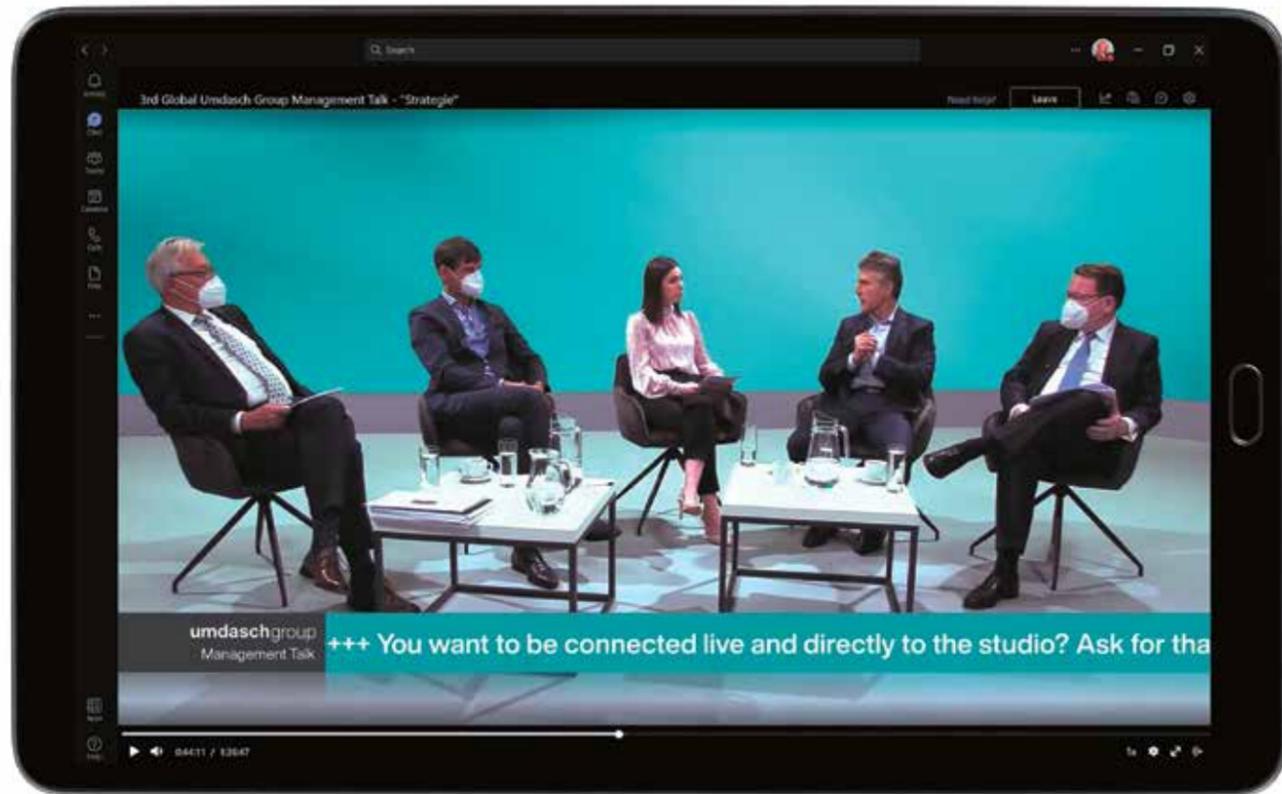


Networks create
relationships – and
just as many points
of reference

We refer to the whole of our social relationships as globality. They are not defined by dependencies, but by connections. They do not end either, but continue in manifold ways from each individual point of reference. The key points are those where knowledge grows the more that we share it.

Transparent communication – a product of the Umdasch Group

Our customers?
Almost 9,000 employees worldwide



Tuesday, February 15, shortly before 1 pm. There are only a few seconds left before the start of the 3rd Global Umdasch Group Management Talk. For the TV studio team of in-house communications and IT staff, the excitement is now at its peak. Also for Ashleigh Jones, who is taking a break from her job at umdasch The Store Makers in London for a few days to take over the moderation of this event in Amstetten. The Management Board has taken their seats. Almost 2,000 employees are waiting live in front of their screens around the world. In the next 45 minutes they will be informed timely and fully about the new Umdasch Group strategy – the central topic of this talk. Afterwards, there will be another 45 minutes to ask questions to the management in the same live setting, an opportunity that many employees made use of.

No, we are not a media group. And yet it is communication that offers modern companies a wide range of new opportunities to share information transparently and establish a corresponding culture of dialog. Because only when all employees have a common understanding of the goal and the strategy on how to achieve it, the team spirit that characterizes a high-performance culture can take effect.

SDGs



The demand of a modern society

Rule-compliant, value-oriented and ethically proper interaction

Our measure

A proactive compliance organization and a lively culture

Outside-in does not always mean reaction. Sometimes this claim also anticipates things, in other words, acts proactively, as in the case of our Corporate Compliance, which has been an integral part of our governance for a decade. Our Ethics Line, for example, has been in place since 2013, whereas the EU Directive only obliges companies to comply with it since December 2021. Employees, customers and partners can thus anonymously address possible misconduct without any fear of personal consequences or reprisals.

The more we grow as a company group, the more important our claim becomes to a common understanding of compliance with laws, regulations and ethical codes. Our rules and framework in this respect now include a set of measures to help us meet the high standards we have set ourselves:

- Code of Conduct – regulates our worldwide standards governing internal and external cooperation
- Quick Guide – explains the important areas of focus Anti-Corruption, Competition Rules and Export Control

- Compliance Code – defines policy, powers, responsibilities and activities of the compliance organization
- Ethics Line – anonymised whistleblower contact within our compliance organization
- Compliance training – training codes of practice for all employees of the Umdasch Group

Compliance training in the Umdasch Group takes place in the form of classroom trainings as well as e-learning trainings. Employees of the Umdasch Group have been introduced to our guidelines in 27 languages, even online, and are trained to practise value-based behaviour in compliance with the rules. The e-learning programme consists of two modules, whereby the basic module is repeated every two years and the intensive module, which was developed for roles with increased compliance risk, is repeated annually.

SDGs

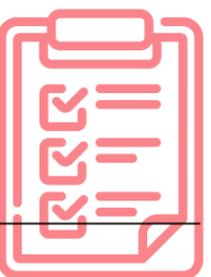


KPI 11

Compliance-Rate 67%

$\frac{\text{Number of of compliance-trained employees}}{\text{Total number of employees}}$

Cf. 2020: 57 %



A great number of developers work in the three divisions of the Umdasch Group, many of whom face similar challenges. Is there an easy yet effective way to pool their specialist knowledge and experience within the Group so that it can be used to drive technological solutions forward? [The question](#)

developers@umdaschgroup.digital – the multidisciplinary development community [The answer](#)



The recently founded developers@umdaschgroup.digital initiative was formed to enable the harnessing of synergies, to assist networking – both inside and outside the company – and, more importantly, to create a dynamic community in which experts can share their knowledge and experience. The founders, Patrick Ottensschläger (PAO), Alexander Spieslechner (AS), Michael Hahn (MH) and Andreas Graf (AG) reveal exclusive insights about the developers@umdasch group.digital community.

SDGs



What brought about the founding of this initiative, and where did the idea come from?

PAO: Partly due to the fact that developers enjoy discussing things with others. Alexander Spieslechner was the first software developer to join Umdasch Group Ventures. Within the Umdasch Group he is one of many. Of course, he was soon in touch with fellow developers in other divisions. However, we decided to found the community to make communication and support easier.

MH: Even before the community was set up, developers in different divisions and business units shared their knowledge and experience. Because it was just a small network of people at the outset, we decided that the goal of the community should be to build bridges between the different divisions on a technological level, so that synergies could be better harnessed.

AG: COVID was a catalyst for the global use of digital communication platforms. The lack of personal interaction meant that the community became a space for dialog, helping to reduce the feeling of social isolation.

What are the aims of the community?

The goals of the community, in a nutshell:

PAO: We are working on different solutions for our customers in each of the three divisions. However, we all use similar – or often even the same – technologies. In certain cases, we come up against problems that have already been solved in other divisions. This is the reason why it's so important to provide a network of support.

I don't even need to know who the best person is to contact with a certain question or problem – I can just post it in the community and anyone can help out. This increases efficiency and networking within the Umdasch Group in terms of the development of digital services, and the sharing of best practices encourages the use of the same technologies.

- getting to know one another, sharing knowledge and support
- sharing and discussing experience
- sharing interesting articles, videos, presentations or training courses from the internet
- requesting help with problems and providing help to others
- discussing future technology trends

How did the partnership between Doka and Umdasch Group Ventures come about?

AS: From my experience, I know that a close network of IT experts from various teams and countries can not only have a huge impact on quality and efficiency, but also improve the professional development of all those involved. When I started with Ventures as the very first developer, I felt the need to network with other people from the Group. The IT team from Doka had already gained extensive experience in cloud hosting, enabling them to provide vital support to several Ventures projects. At the same time, I could also help out with Doka projects, using my experience of web development and user interfaces. This is what drove us to connect with other teams in the Umdasch Group and reinforce and promote the sharing of knowledge and experience throughout the whole group.

In which divisions do members work and do they participate actively?

MH: The community includes members from all three of the Umdasch Group's divisions. At the moment, we have 270 members (as of March 2022). People in the community discuss different technologies and IT topics very diligently.

AS: Our community can be divided into active participants and "silent" members. Depending on people's personalities and their own involvement in certain topics, the more active members take part in a discussion, while others follow the posts without commenting and learn useful information for the development of digital services within the Umdasch Group.

- 270 members
- 15 new articles a month
- 40 responses a month
- 40 reactions a month
- 2 meet-ups, each involving around 70 people and 6 presentations



How do you ensure that the community remains dynamic?

MH: At the start, of course, the community needed a lot of input and motivation from the founders so that discussions about particular topics got off the ground. This input took many forms, including interesting blog articles, topics that were being discussed in the media, exciting projects within the Group, or simply an invitation to have an informal chat over a cup of coffee. It's been known that some team members respond to questions with "Post the topic in the community please and I'll answer it there!" to encourage interaction and knowledge sharing in the community.

PAO: It was important for us that the community grew organically. We therefore started with just a few members and constantly encouraged communication and knowledge sharing. Once we'd got that working well, we made an official announcement about the community. This meant that anyone who hadn't had much contact with other developers yet joined an already dynamic community. Looking back on it, this was key to the community's success.

On top of this, there's also a quarterly meet-up where the community decides what topics should be discussed. This ensures that the meet-up focuses on the subjects that we are most concerned about at that moment.

How do you communicate?

AG: Many of the topics are discussed directly in the community, via the channels of the Group's chat platform. We also focus on extending the community's reach by announcing forthcoming meet-ups on the Intranet.



What do you consider to be the greatest benefits, and what changes have you seen?

AG: In 2021 in particular, it was difficult to network with employees from other divisions. However, the developers @umdaschgroup.digital community still managed to bring many people who didn't know one another together. This network is one of the greatest benefits. I'm always pleased to see posts where someone has quickly received help from another member they didn't know.

And because the posts are saved in the community, people can learn from the information later on when they're confronted with a similar problem.

PAO: Employees from all three divisions of the Umdasch Group help one another out. This increases efficiency across all divisions and indirectly helps create a homogeneous technological landscape within the Umdasch Group.

AS: The community is a way of getting a much clearer idea of what's going on in the software development world within the Group. You learn what areas other teams are working on, which tools have proved successful and how projects are currently structured. Individual teams have the impression that they are more involved in decision-making due to the collaborative initiative.

What are the plans for 2022?

MH: We are planning meet-ups again this year, of course – at least quarterly. These will address exciting topics and include dynamic debates to reinforce the sense of belonging within the community. developers@umdaschgroup.digital will also be incorporated into the larger umdaschgroup.digital community in 2022. umdaschgroup.digital is the framework that links together all the specialist communities that are part of the Umdasch Group's digitalization initiative.

PAO: It goes without saying that we are very proud that the developers@umdaschgroup.digital community is seen as a leading example within the umdaschgroup.digital initiative.

The actual situation

The domestic economy is lacking up to 30,000 IT specialists – and the trend is rising

Umdasch Group brings one of the world's best programming and IT training schools to Amstetten Our impulse

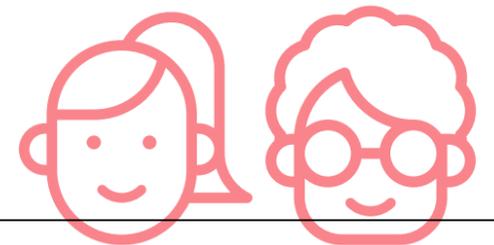
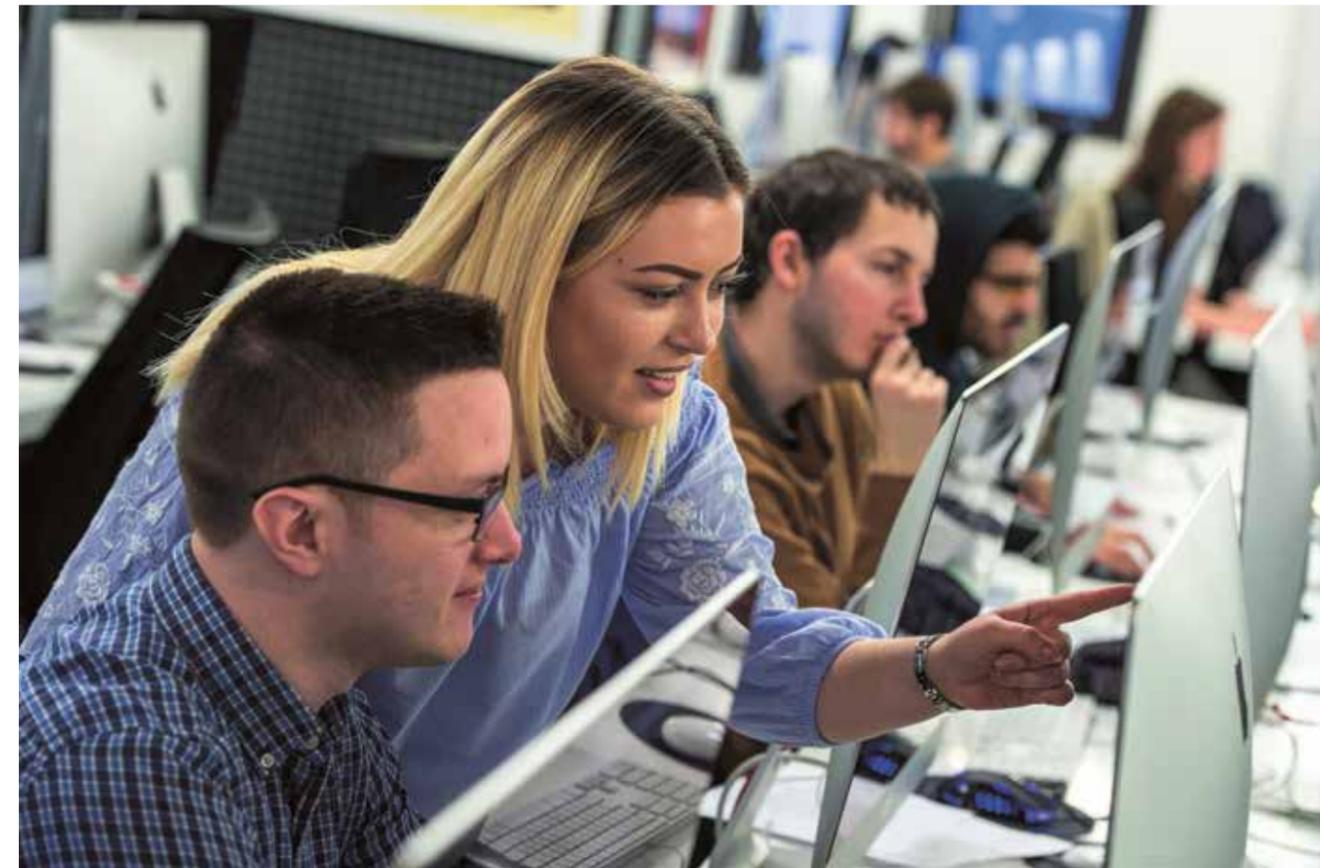
Ecole 42, the coding school founded in France in 2013, is now launching in Austria. As 42 Vienna with a campus in Vienna and – thanks to the initiative of the Umdasch Group Foundation – also one in Amstetten.

The revolutionary training program already exists at 42 locations worldwide with more than 15,000 students and has become one of the world's leading IT specialist hub in less than 10 years. Revolutionary? Yes, because the training model is based on a "peer-to-peer" learning mode that works without professors and teacher-centred teaching, and offers access to anyone aged 18 and over who has talent and an interest in IT and digital careers. The training, which is comparable in quality to a master's degree, is free of charge and does not require any programming skills, but builds on logical thinking. Special focus – and this is entirely in line with the Umdasch Group's diversity philosophy – is placed on promoting women in the IT sector. The goal is a 50 % share of women among students in Austria.

This unique programming school is financed, among others, by partners from the business community. The Umdasch Group Foundation as co-initiator and its divisions Doka, Umdasch Group Ventures and umdasch The Store Makers thus secure direct access to highly trained IT talents in the future. In addition, we can already network with the students during their training and work with them on real challenges and projects.

"With 42 Vienna, we can make better use of the growth opportunities offered by digitalization in the future. This training is a unique win-win situation for students and businesses alike. We are looking forward to working with the next generation of software developers."

Andreas J. Ludwig,
Corporate Relations & Umdasch
Group Foundation

SDGs

KPI 12

Spending on Society & Social Affairs

€ 713,577

“Technical jobs aren’t for girls”

Opinion

Our contra

At the MINTality Foundation, we work together to ensure the opposite is true



Despite attractive jobs and excellent job prospects, the interest of many women and girls in technical training is low. In 2022, the Umdasch Group Foundation, together with numerous well-known companies, therefore established the MINTality Foundation.

The aim is to get girls interested in STEM* professions – science, technology, engineering and mathematics – at an early age in order to break down stereotypes such as “boys are better at math, girls at languages” in the long term. In some cases, it is believed that young women lack self-confidence and in other cases it is believed that there is a lack of knowledge about opportunities in technical professions. However, the most factual reason is because girls receive far too little support in the natural sciences. For this reason, the MINTality Foundation’s program also addresses and sensitizes parents, teachers and peers in particular.

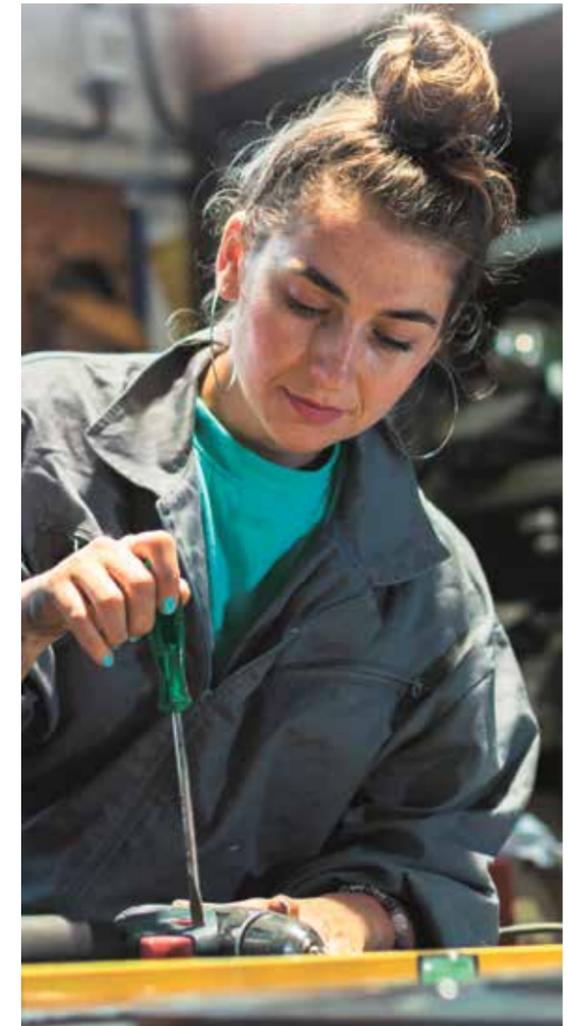
As one of the founding organizations, the Umdasch Group Foundation firmly believes in the great potential that lies in the early promotion of girls for STEM professions. It is also a particular concern of ours to be able to support women within the MINTality Foundation in becoming more independent and financially self-sufficient by aiming to awaken a genuine interest in a career in technical professions as early as possible and thus contribute to equal opportunities.

* In German „MINT-Berufe – Mathematik, Informatik, Naturwissenschaften, Technik“

SDGs



Technology.is.female



But the issue is also very important from an economic point of view.

While the shortage of skilled workers certainly drives us to recruit women for technical roles, it is even more so the desire for diversity. After all, the more diverse teams are, the more successful they are. Diversity means different cultures, skills and talents – an important breeding ground for the emergence of new ideas and a key factor for innovation and future viability.

umdaschgroup
foundation
Wissen. Wirtschaft. Werte.

MINTALITY

Our context

We had all imagined 2021 differently and hoped that Covid-19 would become a thing of the past. Unfortunately, however, this was not the case. Do advanced training courses, training sessions and workshops have to be cancelled because of this?

Our performance **No standstill in standstill**

Employee training and team workshops – held online instead of locally

In 2021, many of our employees became active and wanted to use their working time – which was freed up by reduced construction activity and fewer personal customer appointments – for training and team building. The question was, how do we make this usually analog content available in a digital format?

The national organization of Doka Germany has dedicated itself to this topic in particular and launched a concept for digital development. On the one hand, this includes training offensives that make use of a mixture of live sessions, webinars and online courses, as well as cover specialist topics. For colleagues in sales, for example, this included content on remote selling, customer orientation, and value-added/solution selling. On the other hand, digital workshops were also organized, covering topics such as communication & information, understanding or leadership development. Thanks to a playful gamification approach, in which teams had to build towers in break-out groups, for example, or recognize sounds via audio samples, the digital sessions were livened up.

Customer training – still there for our customers

Our customers were also increasingly requesting digital information and training, so that the digital formats that had been tested internally up to that point could be transferred to customer trainings in 2021. This meant preparing the content well digitally, but also developing employees into digital instructors in a modular training program.

This resulted in an intensive training program that is offered throughout the year with three to four webinars per quarter. In 2021, more than 400 customers in Germany took part in the one- to two-and-a-half-hour seminars on topics such as “The digital construction site”, “DokaCAD for Revit”, “Simply easy formwork with DokaXlight”, “Formwork according to the norm” or “Faster formwork with Framax Xlife plus”. In order to support site coordinators in their work, a small video studio was set up in which our site coordinators can demonstrate their work in live shows.

Online trainings also offer a number of advantages: they can be completed flexibly over the course of the year, travel times are eliminated, and thanks to the recordings, content can also be accessed again later. And according to feedback from our customers, this is very well received.

SDGs



The challenge To make Expo 2020 the most sustainable ever

Exhibitor and supplier at The solution the same time – only the Umdasch Group can do this

World exhibitions such as Expo 2020 stand for the most innovative and creative architectural designs of their time. This was especially the case in Dubai, which focused entirely on sustainability while it was open from October 2021 to March 2022. The Umdasch Group played a major part in this, both as an exhibitor and as a supplier.

Over a total of 440 hectares, the equivalent of an area of more than 600 football pitches, 200 countries, 25 million visitors – the Expo is the exhibition of superlatives and opened its doors in Dubai on October 1 in 2021 for six months. Postponed from 2020 due to the pandemic, it took place for the first time in its history in a country from the Middle East, Africa and South Asia region.

umdasch The Store Makers as partner

As a partner for the event in the Middle East, umdasch was commissioned to supply fixtures and systems for the 12 official merchandise stores with a total area of more than 3,000 m² – and was also responsible for the furnishing of the stores in the US and Australian country pavilions. In terms of order volume, umdasch The Store Makers was probably the largest shopfitting company at Expo. While the North Americans focused on their space accomplishments in their pavilion, the pavilion for Australia was themed “60,000 years of diversity, inventiveness and innovation” and seemed to hover due to the dramatic roof construction. Formally, it is said to be inspired by so-called cumulus clouds, reflecting a feature of the diverse Australian landscape.



SDGs



© Ars Electronica Solutions Expo Austria

Environmentally friendly shopfitting principles

As never before, Expo in Dubai focused on the theme of sustainability and set out the requirements for the outfitters to reuse the furniture after the event, to use materials from the region and to produce locally. This was a clear advantage for the Store Makers in the Middle East, as the 7,000 m² production facility is only a few kilometres away from the Expo site. Thanks to this proximity to Expo, with its simplified logistics processes and the use of local raw materials and recycling processes for the furniture, umdasch was able to provide fixtures in the official retail areas as well as the stores in the US and Australian country pavilions.

Green in every detail

In addition to shopfitting, a number of other umdasch products were also used at Expo in Dubai. Fold-up!, for example, a modular merchandise support that can be quickly assembled and is suitable for different products, product groups and locations. Another tool that visitors encountered again and again was Varitable. Behind this name stands a modular table that is suitable for all product ranges in retail – and thanks to individual components and additional electronic services is recommended for all presentation purposes. Basixx, on the other hand, was represented in all the pavilions at Expo. The shelving system with its smart plug-in principle, which has proven itself in retail, serves as a platform for modular shop equipment. Everything that umdasch provided for Expo 2020 in Dubai is now reused or recycled. In this way, the Store Makers supported the world exhibition in becoming the most sustainable ever.

Doka's innovative power in the Austria Pavilion

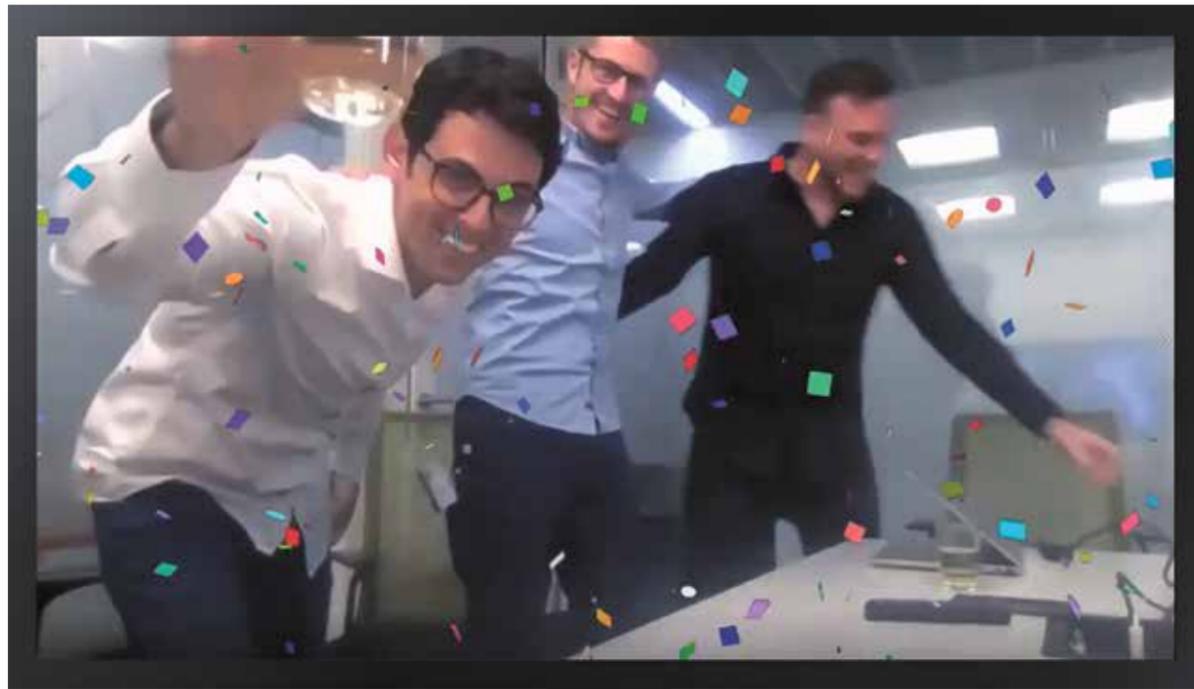
Doka participated in the event as exhibitor and presented its digital services for the construction industry in the Austria Pavilion. Visitors had the opportunity to get to know three digital solutions from Doka in the iLab, the heart of the Austrian Pavilion. In the so-called Innovation Towers, DokaXact, Concremote and CONTACT were showcased by means of a digital presentation. There was also a physical exhibit on display: a miniature version of the Frami Xlife framed formwork from the 3D printer.

Coupled with the themes of sustainability and digitalization, Expo 2020 thus became the optimal showroom for presenting the impressive range of services offered by the Umdasch Group.



New impulses and creative digital approaches for innovation and safety in construction Wanted

Found Efficient workflows, simplified material handling and maximum safety: the digital construction site can do it!



And they can do it too – the winners of this year’s Josef Umdasch Research Prize

SDGs



Outside-In also stands for Open-Innovation – the Josef Umdasch Research Prize 2022

Whether it was AI for optimizing designs or solving safety problems on the construction site, whether it was an IOT application for material tracking and management or a platform for creating digital 3D content for project work: as many technological solutions as entrants had to be sifted through, interviewed, coached and ultimately evaluated.

The Josef Umdasch Research Prize, which has been presented annually since 1990, was held together with the World Summit Awards for the 5th time in a row. A network to complement the innovative power of the company with new, fresh and out-of-the-box ideas. This year, this aspect was emphasized even more intensively, with mentors from the company accompanying the finalists on their way to the pitch.

CEO Dr. Wolfgang Litzlbauer:

“Combining fresh ideas with know-how within the company is really smart. Ultimately, the start-up innovations should be integrated into the company and that’s where a certain fit without topics, but also our processes and ultimately our culture is very important.”



Samson Logic is the winner of the Josef Umdasch Research Prize 2022

Shai Prupes, CEO and founder of Samson Logic was ultimately able to convince the jury. The young Israeli company has made the intelligent management of building materials its business. This involves, for example, packaging with integrated IoT sensor technology and software that automatically derives packaging instructions from orders, as well as manages all material inventory on the construction site. Samson Logic’s solutions save crane and labor time, optimize storage space, reduce material waste and increase safety. We congratulate them and look forward to working with them.

117 registrations from 48 countries, out of which 12 were shortlisted and 6 were finalists:

- viACT from China
- Structure Plus from Canada
- DataMesh from Singapore
- Samson Logic from Israel
- HeronTrack from Belgium
- Sharemac from Germany

KPI 13

Accident Ratio



3.4

Accidents per 100,000 working hours



Sustainability means
earning money
sustainably instead
of just spending it
sustainably

Our Environment

Neither costly greenwashing nor loud marketing campaigns will help us fight climate change and global warming. What is needed are digital technologies, new methods and alternative materials. The drivers are not so much restrictions, regulations and laws, but rather intelligent business models that combine ecological necessities with basic economic principles.



Promote inclusive, broad and sustainable economic growth, employment and decent work for all



Build resilient infrastructure, promote sustainable industrialization and foster innovation



Ensure sustainable consumption and production patterns

In substantial contrast to their forerunner – the Millennium Development Goals (MDGs) – the SDGs, the Sustainable Development Goals, include economic objectives in their agenda. It has been recognized that growth and productivity are needed to reduce poverty in a sustainable way in the long term. And it also has been recognized that a thriving economy is the basis for prosperity.

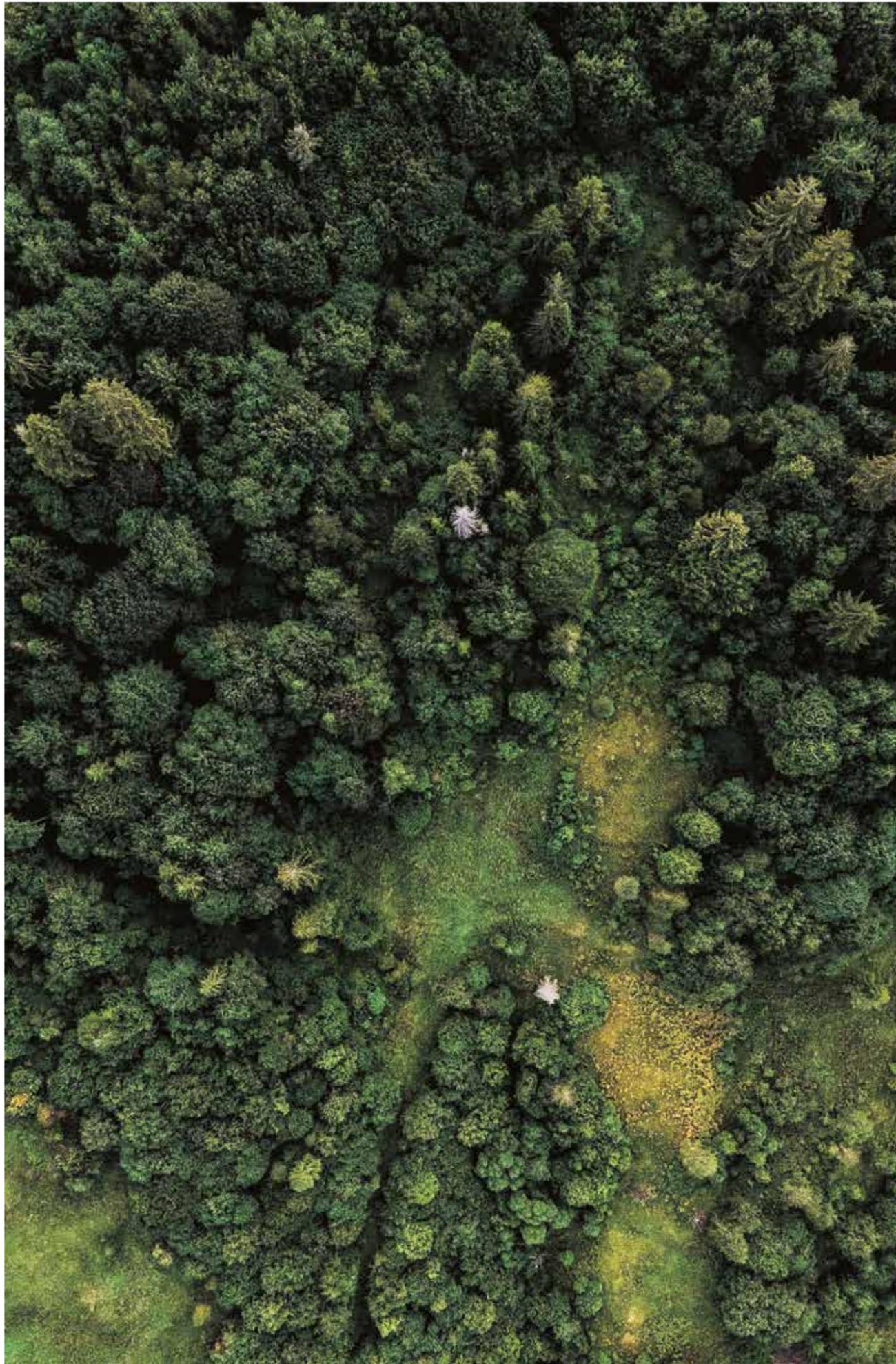
So the growth we are talking about here must serve people and not be at the expense of our environment. In my new role, I don't see this as a liability. Rather, I see it as a mandate to realign the development of the Group with these aspects in mind. Not only HOW we do it should be sustainable, but also WHAT we do.

“For me, therefore, a purely social romantic approach to sustainability is not enough.”



The Umdasch Group's claim will be an integrative one in the future. Ecologically sustainable business models will play a significant role in our corporate, product and service portfolio. We will push methods and materials that have a positive ecological impact. We will make this the focus of our business and also earn money doing so. The industries in which we operate – construction and retail – offer plenty of opportunity for sustainable business ideas. Opportunities that we will exploit.

Dr. Wolfgang Litzlbauer



The background

The topic of sustainability is becoming increasingly important – for our customers as well as for the Umdasch Group. Many companies in the construction industry are rethinking their strategic planning and investments with a view towards sustainable growth.

The Umdasch Group Our advance presents CO₂ balances and initiates decarbonization

The undisputed focus of the Umdasch Group's new cross-group strategy is sustainability. As a first step, the three divisions umdasch The Store Makers, Umdasch Group Ventures and Doka are surveying their respective specific greenhouse gas emissions. In this way they can be reduced and decarbonization, which is the minimization of fossil energy sources, can be actively contributed to. At the same time, the circular economy represents a central lever when it comes to decarbonization.

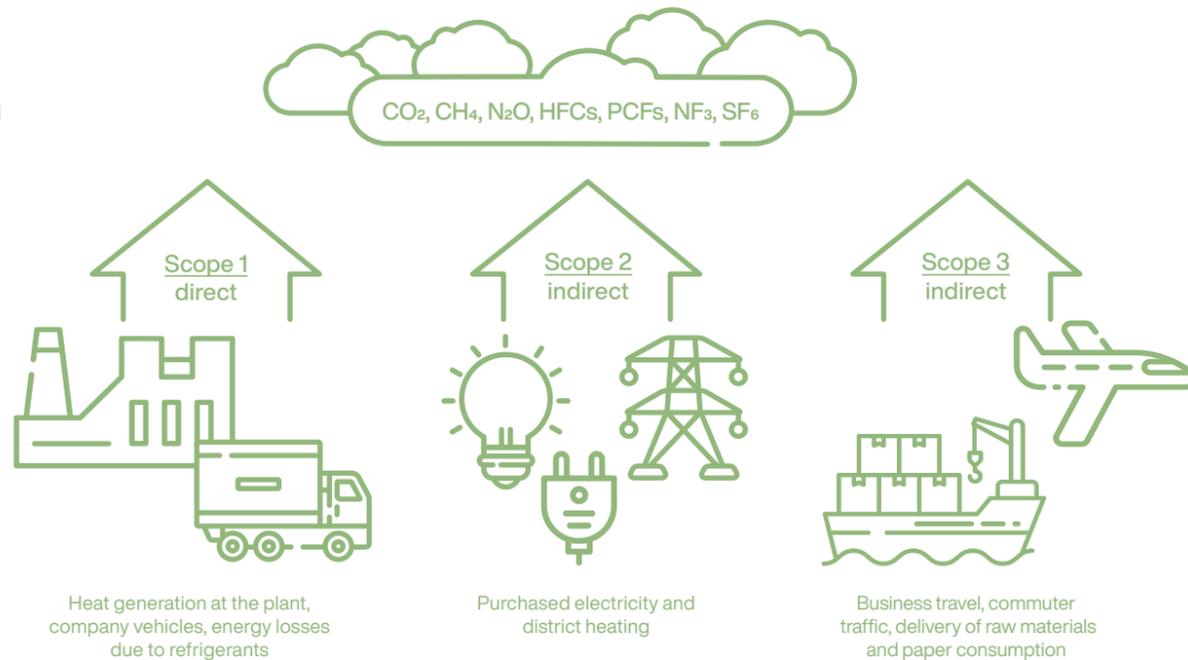
SDGs



Corporate Carbon Footprint of umdasch The Store Makers

umdasch The Store Makers, the shopfitting division of the Umdasch Group, focused on determining the carbon footprint of its five largest production sites in 2021. Meaningful data for the years 2018–2020 are now available.

Figure 1



In the analysis, greenhouse gas emissions (GHG emissions) from the following sources were accounted for: Natural gas and biomass for heat generation, fuels for the vehicle fleet, refrigerant refills, purchased electricity, business travel, staff travel, delivery of raw materials, as well as paper consumption.

SDGs



The results

Electricity has been shown to be the largest contributor to GHG emissions in most cases (Figure 2). Thus, the generation of electricity from oil, natural gas or coal causes negative environmental impacts. At the same time, the corporate carbon footprint calculations showed that emissions were reduced by around 24 % between 2018 and 2020. One of the decisive reasons was the substitution of natural gas as an energy source with district heating at the Store Makers' largest production site in Leibnitz. Due to the pandemic, emissions for air travel, travel to and from work by employees and fuel consumption by the company fleet were significantly reduced in 2020 compared to 2019.

Green power does the trick

Projections show that switching to green electricity, just like investing in photovoltaic, can reduce the annual emissions of specific sites by up to 50 %. The production site in Leibnitz has already adopted one of these measures. Since the beginning of 2022, only green electricity has been purchased. This should enable a further significant reduction in emissions at this site from 2022 onwards. At the same time, potentials for further measures to reduce emissions are being analysed for all relevant sites.

Corporate Carbon Footprint umdasch The Store Makers (market based)

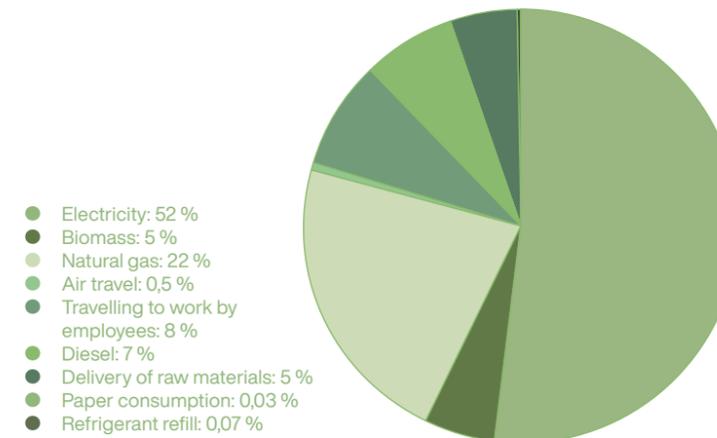


Figure 2 Overview of all production sites for the year 2020 CO₂-equivalents

For a sustainable future for our company and our customers

All over the world, brands and large retail chains are sensing the changing consumer demands and are trying to meet them in turn through various sustainable measures along their value chain. The umdasch Store Makers meet the demand of environmentally conscious retailers with sustainable shopfitting solutions and environmentally friendly products. umdasch The Store Makers also wants to advance the company's sustainability efforts by constantly improving the environmental friendliness of its products and services, but also of its corporate performance. The calculation of CO₂ balances does just that – it helps umdasch to continue to be a reliable and equally climate-conscious partner for its customers. Likewise, the continuous consideration and reduction of greenhouse gas emissions and negative environmental impacts testifies to Store Makers' serious commitment to climate protection.

From a strategic point of view, the emissions at the umdasch Store Makers will be surveyed annually in future, the measures introduced will be checked for their effectiveness and further bases for decision-making will be created for a sustainable future.

What does the carbon footprint actually describe?

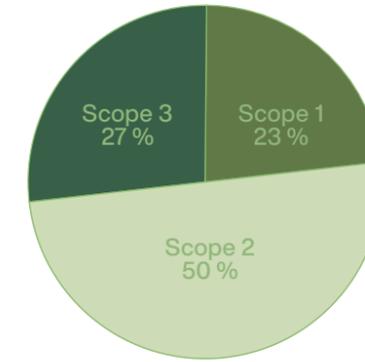
The carbon footprint, also known as the CO₂ balance, describes the amount of greenhouse gases caused by a company or a product during production, use and recycling. Greenhouse gases are gases that are harmful to the climate, such as CO₂, methane, nitrous oxide and other gases. If one measures the company emissions, one speaks of the Corporate Carbon Footprint. If the emissions of a specific product are considered, for example a Store Makers Basixx shelf or a Doka Framax formwork, this is called the Product Carbon Footprint.

Corporate Carbon Footprint of Doka

Doka, the Umdasch Group's Formwork and Scaffolding Division, presents the company's carbon footprint for the year 2020. In a first step, the greenhouse gas emissions were determined for Doka Europe.*



Corporate Carbon Footprint Europe



Scope 1 and Scope 2 emissions generated by the company's activities within 2020 were recorded. This balance includes the emissions from the company's own vehicles and facilities, as well as those from purchased energy, such as electricity and heat (Figure 3).

Figure 3 The emissions shown in Scope 3 result from activities in Scope 1 and 2. Scope 3 is not part of the current CCF calculation.

* Besides HQ+PU Amstetten, these are Germany, Switzerland, France, Italy, Slovakia, Czech Republic, Poland, the Netherlands, Great Britain & Ireland, Sweden, Denmark, Finland, Norway, Doka Adria (Slovenia, Croatia), Serbia, Greece, Hungary, Ukraine, Doka Baltic (Estonia, Latvia, Lithuania), Romania, PU Russia

Milestone: This is what we get out of it

We now know our company's carbon footprint, along with the areas where we need to take action to reduce greenhouse gas emissions. Therefore, we can take specific measures, particularly country-specific measures. This is because the countries are very diverse in their energy mix and as a result have quite different CO₂ balances.

Biggest lever: purchased energy

If we look at the Corporate Carbon Footprint (Scope 1 and Scope 2) for Doka Europe, we see that purchased energies, which are electricity, heating and cooling, cause the most greenhouse gas emissions. Namely, more than half (see figure 4).

It is therefore clear that electricity is the biggest lever when it comes to minimizing greenhouse gas emissions from Doka. Overall, the trend in purchased energy is to rely more on renewable energy sources and energy systems.

Looking at the countries, Doka Sweden has a trend-setting approach. The branch there switched to 100 % energy from renewable sources in winter 2021 and therefore they will be able to reduce emissions by 46 % in 2022.

A climate strategy is currently being prepared for the whole of Doka, including measures on how to reduce greenhouse gas emissions overall.

Best practice: HQ Amstetten

A shift from carbon-heavy energy sources to low-carbon is also an imperative at Doka. HQ Amstetten is leading the way. In 2020, almost three quarters of the total energy demand there, comprised of electricity, heating and cooling, was already generated by renewable energy. On the one hand, this includes the PV system on the roofs of the plant. (See the article on the photovoltaic system at HQ Amstetten on page 160.) On the other hand, a large part of HQ Amstetten's favourable balance is due to district heating. This means that when it comes to heating, our HQ is supplied with waste heat from the Amstetten heating plant. We deliver our chips there and get heat back in return.

What do our customers get out of this?

With our decarbonization approach, we help our customers as part of their supply chain to reduce their own Corporate Carbon Footprint. In the meantime, legal requirements are already being prepared throughout Europe in this regard: In future, all companies within a supply chain are to disclose that they demonstrate responsible corporate governance in environmental and social areas.

In a world that is increasingly affected by climate change and extreme weather conditions, everyone is called upon to take responsibility.

Corporate Carbon Footprint Europe

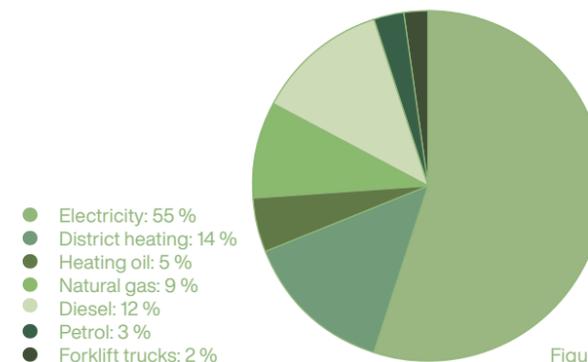


Figure 4

Product Carbon Footprint from Doka: Focus on the life cycle

Doka presents the Product Carbon Footprint (PCF). While it may sound relatively casual, it was a real tour de force: Doka's product range comprises almost 6,000 products. For each of them, we looked at the composition and raw material requirements for manufacturing. Furthermore, we took into account the delivery to our worldwide distribution centres and branches. We also included repair and cleaning as well as end-of-life recycling. This allows us to report the Product Carbon Footprint (PCF) for each product over its entire life cycle.



SDGs



Milestone: This is what we get

By calculating the PCF, we can identify CO₂ hotspots throughout the life cycle and thus implement targeted measures to reduce the greenhouse gas emissions of our products.

Knowing the PCF enables us to develop more climate-friendly products. This is a central part of our climate strategy.

What do the customers get out of it?

Information at the push of a button. For our customers, we can provide the CO₂ emissions of our products on demand. Internal product comparisons make it possible to order the product with the more favourable CO₂ balance (Figure 5).

We rent out a large part (over 50 %) of our products. The Product Carbon Footprint over the entire life cycle (raw material procurement, production, transport, repair and washing, end-of-life recycling) is related to an average useful life. This allows us to calculate the carbon footprint of each formwork on a pro rata basis for the duration of its rental.

Especially in public tenders, the CO₂ balances of our products are increasingly being asked for.

A comparison of the CO₂ emissions from the manufacture of Doka floor props

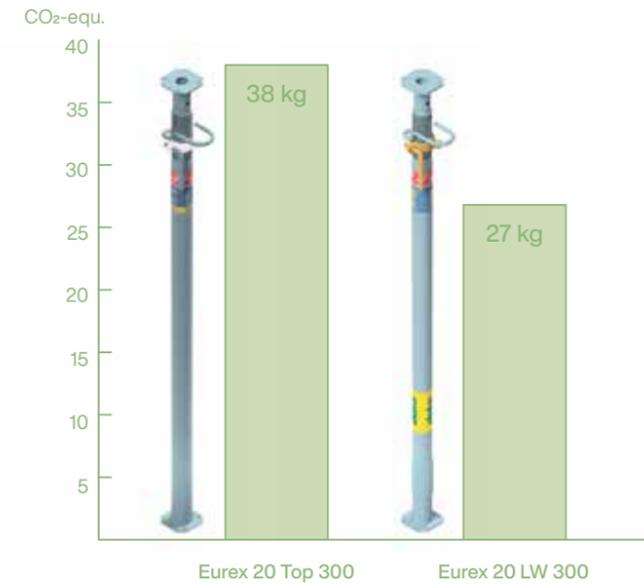


Figure 5 Thanks to the use of high-strength steel and state-of-the-art production, the Eurex LW floor prop weighs significantly less than common tubular steel props. This reduces CO₂ emissions and leads to ergonomic advantages for the user. And all this with the usual performance and durability.

KPI 14

Eco-Efficient Investments

60 %

Share of investments with a positive ecological effect
Total investment volume



Cf. 2020: 72.3 %

The transport of our products is one of the biggest contributors to greenhouse gas emissions in our company. And it is the truck, in particular, that comes into play. [The big issue](#)

The sustainable solution **“Intermodal Truck”**

Doka Transport Logistics in Amstetten is making people sit up and take notice with its strong, sustainable focus on expanding intermodal transport:

Instead of using trucks alone, transports are handled in combination with rail, with the vast majority being carried by rail. Combined transport is nothing new per se, but we are now pushing the issue strongly from a sustainability perspective and have created a separate “Intermodal Truck” category in our IT systems.

There are already several countries on the Doka map to which products are delivered via intermodal transport. For example, since July 2021, our products have been delivered to Romania via intermodal, combined transport. This means that the majority of the approximately 1,200 kilometres to Doka’s branch in Tunari, north of Bucharest, is covered by rail.

Does the product reach the customer on time? “Yes,” says Doka logistics expert Thomas Schlögl. And his colleague Nese Caliskan adds: “And it’s cheaper, too, and with far fewer greenhouse gas emissions.”

combined transport truck + rail
40 % less greenhouse gas emission and even less expensive



SDGs



In general, the combined transport is entirely in line with the Umdasch Group’s sustainability strategy:

1. it is sustainable: in specific terms, 40 % less CO₂ is produced per intermodal transport compared to transport only by truck

2. and economical: the combination of truck + rail is cheaper. Not only because of the freight price per truck transport, but also because of the loading capacity. This is because combined transport can also accommodate more tonnage than truck-only transport. This pushes costs down by another 12 %.

Will Doka only run intermodal to Romania in the future? “No,” says Nese Caliskan. “We are bound to certain loading days (mo/tue/fr) and thus cannot always ensure the required flexibility compared to road transport only.”

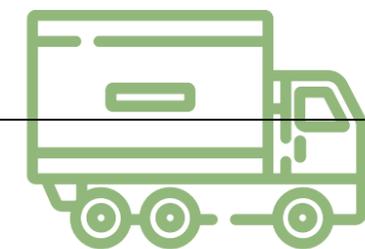
The goal is to convert at least 40 % of our transports towards Romania to “Intermodal Truck”.

Since the end of 2021, the countries Sweden, Turkey and Bulgaria are now also served by intermodal transport. In 2021, a total of over 500 tonnes of goods were shipped by intermodal transport to the above destinations. Both the ecological and the economic figures are right:

In all countries combined, 3.4 % of freight costs and 39 % of CO₂ emissions were saved in 2021. And for further countries, the possibilities of using intermodal transport variants are currently being examined.

KPI 15

Transport Efficiency



21.9

Tonnes CO₂ equivalent
Sales revenue € million

Cf. 2020: 21.5 t CO₂-equ.

The consideration **Bringing unused roof space to a value-adding use**

The result **Photovoltaics – from sun to electricity goes into series production**



Amstetten

In last year’s annual report, we reported on the first part of the photovoltaic system that went into operation in summer 2021 on the shed roofs of hall block B3 of our production facility in Amstetten. A few months later, the second part of the plant was installed, much to the delight of the sustainability-loving Umdasch Group employees. Yet, this new photovoltaic system in Amstetten is only the beginning. The roll-out to many other locations is already being examined.

SDGs



Niederhasli, Schweiz

In total, the plant in Amstetten will provide approximately 950,000 kilowatt hours per year to the Doka power grid. This means that 3 % of the annual electricity requirement at the Amstetten site is now produced by the sun, which equates to electricity cost savings of € 40,000 and – in line with the Umdasch Group’s sustainability strategy – also reduces 235 tonnes of CO₂ emissions per year.

Umdasch Group would like to push this possibility of renewable energy sources worldwide. Potential surveys and feasibility analyses are currently in progress at many branches. An example of this is the Doka branch Niederhasli in Switzerland, where a PV system has already been installed on the office building and will be covering the hall roofs this year.

However, the potential for PV electricity on the roofs in Amstetten is far from exhausted. For this year, a further plant expansion is planned in Amstetten, St. Martin and St. Georgen with an additional total output of approx. 2.22 MWp. And a PV system is also being installed at our branch in Graz these days.

KPI 16

Renewable Energy 53%

Share of renewable energy
Total energy consumption

Cf. 2020: 58.2 %

In 2021, three more foreign productions of the Store Makers (Bursa, Ramenskoe, Zagreb) were included in the reporting. First measures for the use of renewable energies in these productions will take effect only in the following year 2022.

Changed demand

In recent years, more and more customized products have been in demand. In addition, we at Doka are on a global expansion course. Both of these factors mean that the complexity and variety of parts in our production are increasing sharply. We need more flexibility and the best possible efficiency in our manufacturing process.

Our answer Paperless manufacturing

In the future, we will rely even more on digitalization in our production. In 2021, we started to completely switch the processing of our production orders to a new digital solution. Following successful tests in two production units, the rollout for the project has already been started in other parts of production.

And with the path to paperless production, we gain even more benefits in everyday production. Digitization enables us to extensively optimize our processes in the following ways:

1. We save time by increasing the speed of information and data exchange and by creating a single point of information in the future.

When the production order is digitally received, the employees obtain all the necessary documents on the end device and thus have all the necessary information at their disposal. To this end, 90 industrial tablets, 24 24-inch touch monitors and 11 large-screen displays were brought into production.

2. We increase efficiency through the introduction of modern technologies.

With the use of PLM (Product Lifecycle Management) software, the planning and programming of the machines has been digitalized in the Framax finishing welding line and in powder coating. The new system allows simulations thanks to a virtual 3D twin of the plant, which reduces the run-in time and scrap and enables faster production of better parts. In addition, the software allows parallel operation of manufacturing and planning, which reduces downtime of up to 8,000 hours annually.

3. We reduce costs and set an initiative towards sustainability.

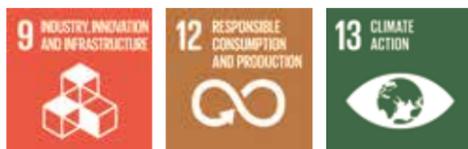
By digitizing production plans and wage cards, we save about 2.5 tons of paper per year and reduce previously necessary transport routes of plan printouts and production plans from our plant in Amstetten to the plant in St. Martin.

In the course of the project, all Doka's yard employees will also receive a license and a personal user account as access to our IT system landscape for the first time. This individual user account not only provides the opportunity to communicate digitally with colleagues, but also serves as the basis for authentication with various systems. This has fulfilled a key prerequisite for Doka's far-reaching digitization strategy.



Digitization opens up new era in Doka production

SDGs



Detailed parameters for the sustainability key performance indicators (KPIs) of the Umdasch Group

- | | | |
|---|---|---|
| <p>1 EQUITY RATIO
Umdasch Group worldwide</p> <p>2 RETURN ON INVESTMENT
Umdasch Group worldwide</p> <p>3 RETURN ON SALES
Umdasch Group worldwide</p> <p>4 INNOVATION RATE
Umdasch Group worldwide</p> <p>5 INNOVATIVENESS
Umdasch Group worldwide; includes in whole or in part all central areas for innovation</p> <p>6 RECOMMENDATION RATE
Rollout: Doka – 15 countries
umdasch The Store Makers – worldwide,</p> <p>7 SERVICE RATE
All service, consulting and rental revenues Doka, umdasch The Store Makers, Umdasch Group Ventures</p> | <p>8 VOLUNTARY SOCIAL BENEFIT RATE
This includes voluntary special payments for workers and salaried staff, VITAL health programme, Corona voluntary health measures, company canteen, occupational provision, accident insurance, overseas insurance, International SOS, Umdasch Nest, Umdasch company community, company flats and houses, company buses, shuttle buses, anniversaries, retirement celebrations and gifts, training assistance apprentices, apprentices' excursions, newspapers/magazines, heating supplement, work clothing, Christmas vouchers, birth and wedding presents, grant to workers' council fund, social fund, end-of-year celebrations; number of employees in Austria</p> <p>9 HEALTH RATIO
Umdasch Group whole of Austria</p> <p>10 EDUCATION & TRAINING INTENSITY
Umdasch Group worldwide</p> <p>11 COMPLIANCE RATE
Umdasch Group worldwide</p> <p>12 SPENDING ON SOCIETY & SOCIAL AFFAIRS
Of the sponsoring expenses of the Umdasch Group AG; not included are the sponsoring activities of the subsidiary and sales companies</p> | <p>13 ACCIDENT RATIO
Doka: Doka Austria, Production Unit Slovakia and Production Unit Russia umdasch The Store Makers: Production locations Bursa, Leibnitz, Hasendorf, Gleinstätten, Litomyšl, Middle East, Zagreb</p> <p>14 ECO-EFFICIENT INVESTMENTS
Umdasch Group worldwide;</p> <p>15 TRANSPORT EFFICIENCY
Only Doka; includes all transport from company site to central warehouse and/or branch as well as from central warehouse to branch. Deliveries to and from customers are not currently included; a corresponding project is being implemented.</p> <p>16 RENEWABLE ENERGY
Doka HQ and Production Amstetten, St. Martin, Banska Bystrica, umdasch The Store Makers Bursa, Leibnitz, Hasendorf, Gleinstätten, Litomyšl, Ramenskoe, Zagreb</p> |
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Imprint

Published by
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Paul Bauer, www.photo.paulbauer.net

Design
seite zwei, www.seitezwei.com

Paper
PERGRAPHICA® Classic Rough
Manufactured in Austria

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