

EPLAN

efficient engineering.

Impulses for Your Engineering

PROCESS CONSULTING

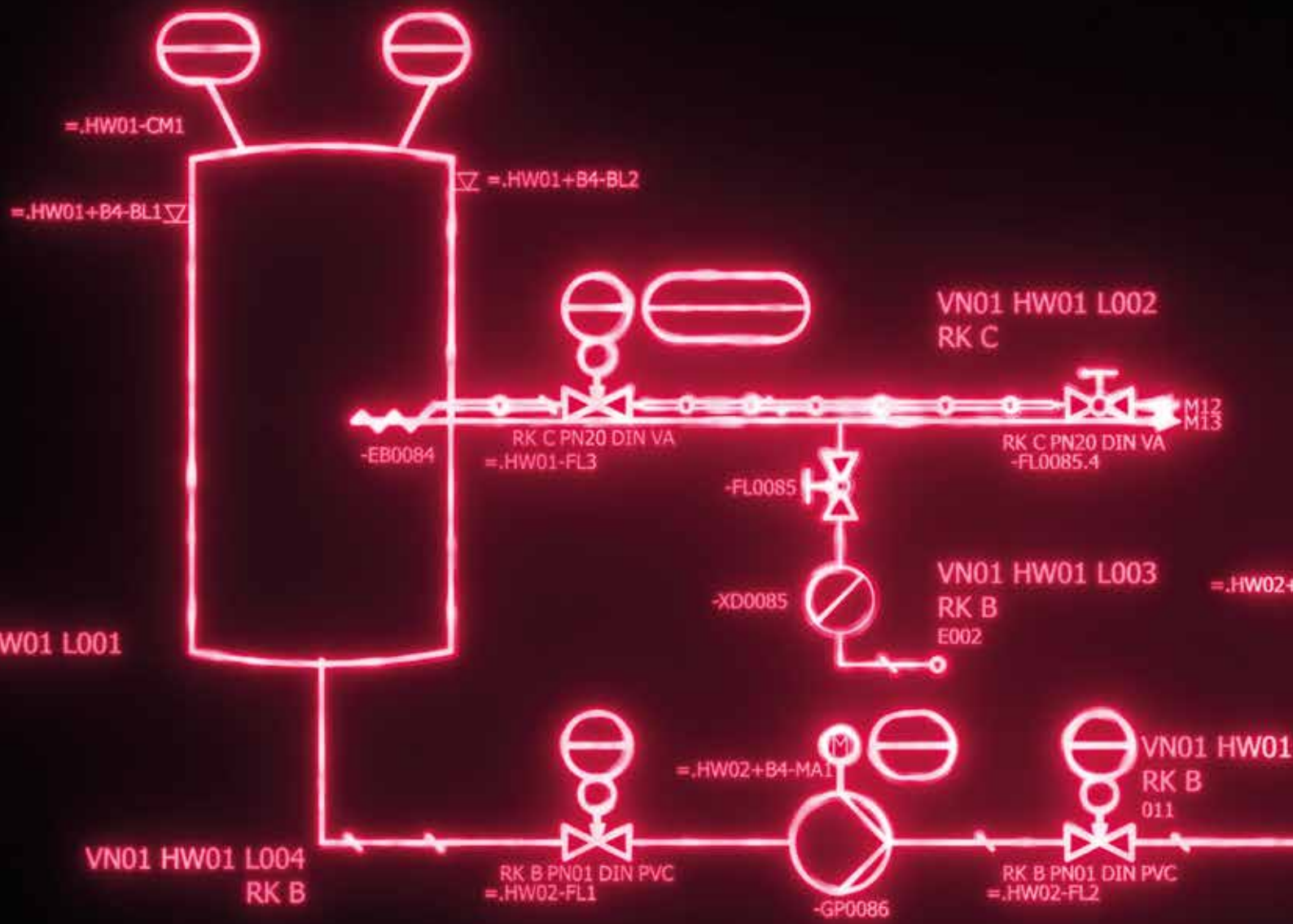
ENGINEERING SOFTWARE

IMPLEMENTATION

GLOBAL SUPPORT

FRIEDHELM LOH GROUP







”

At EPLAN, we would like to shape the digital future with your help. Although we've been in engineering for more than 30 years, we are just as curious as we were when we started. We support you with the latest innovative solutions and engineering expertise.”

Sebastian Seitz,
Chief Executive Officer

The Professional Design of Digitalisation

The future belongs to those who shape it. Those that would like to define the digital transformation need allies that will work with them on the challenges of the future. At EPLAN, we actively promote the digital transition. Our goal is to reach the maximum efficiency and connectivity across all disciplines, systems, and geographical borders.

EPLAN is there for you. We are present in more than 50 countries and have more than 60,000 customers worldwide; making us the ideal global partner. Join us on the future-proof path to Industry 4.0, in which we will give you solutions that support your digital strategy. These will not only withstand the rapid pace of development, but are also open and compatible

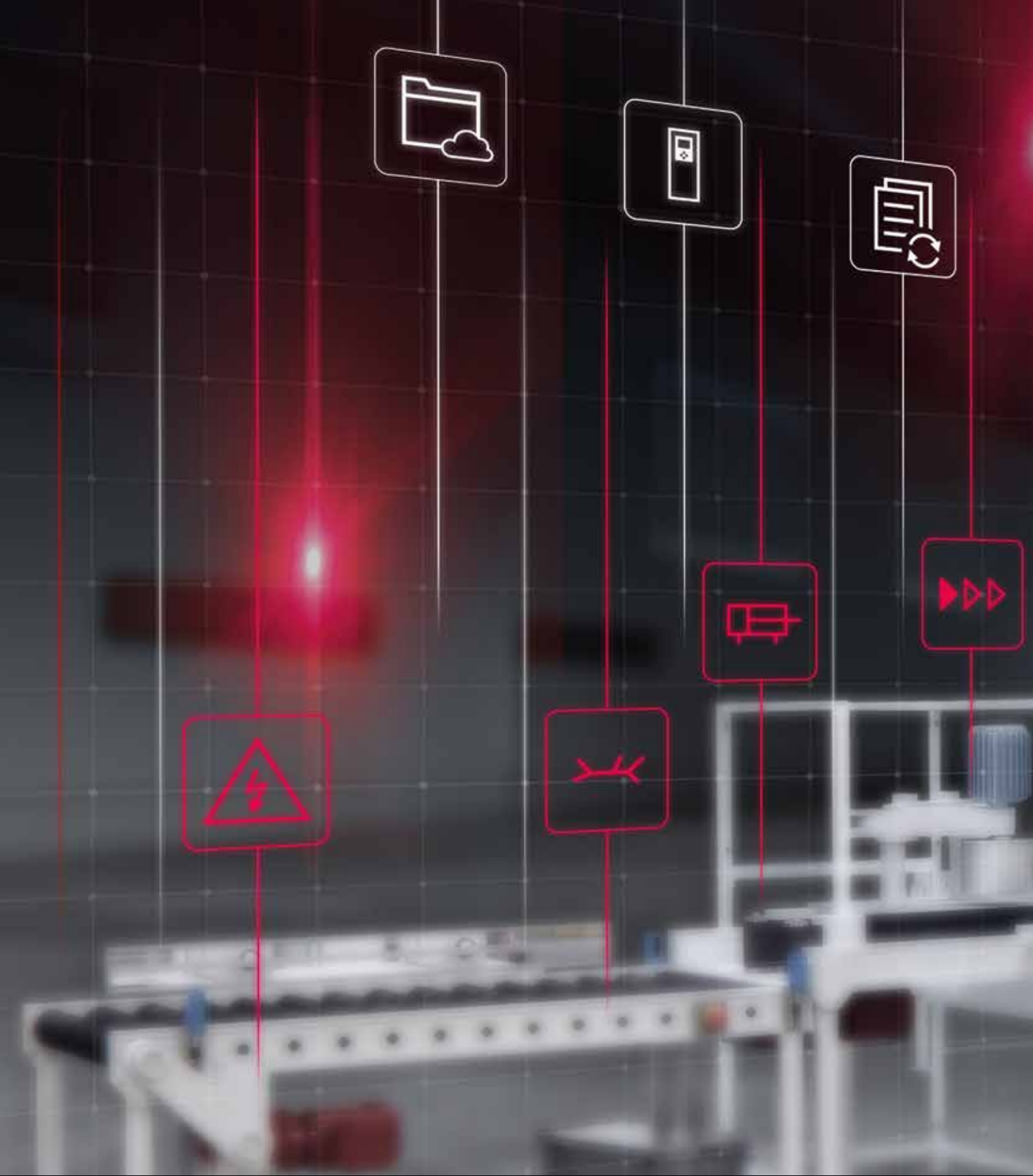
with other systems. This gives you the security of knowing that you will be working with state of the art solutions day after day.

Industries from A to Z

Whether you work in machine building, energy, steel or metal production, our software can bring your engineering to a new level. We work with you to find a tailored customer solution in every industry.

Exploit Efficiency Potential in every Role

Where do you come into play? Are you a supplier, component manufacturer, or an operator? You can completely exploit your efficiency potential with our software, regardless of your position.



FUTURE



”

At EPLAN, our goal is to grow together alongside our customers and partners.

Therefore, we promote digitalisation, standardisation, integration and automation.“

Haluk Menderes,
Managing Director

= PROOF

Your Strong and International Partner

EPLAN offers software and services in the fields of electrical and automation engineering. We develop world-leading software solutions for machine, plant and control cabinet design. EPLAN is your ideal partner to simplify the challenging engineering processes.

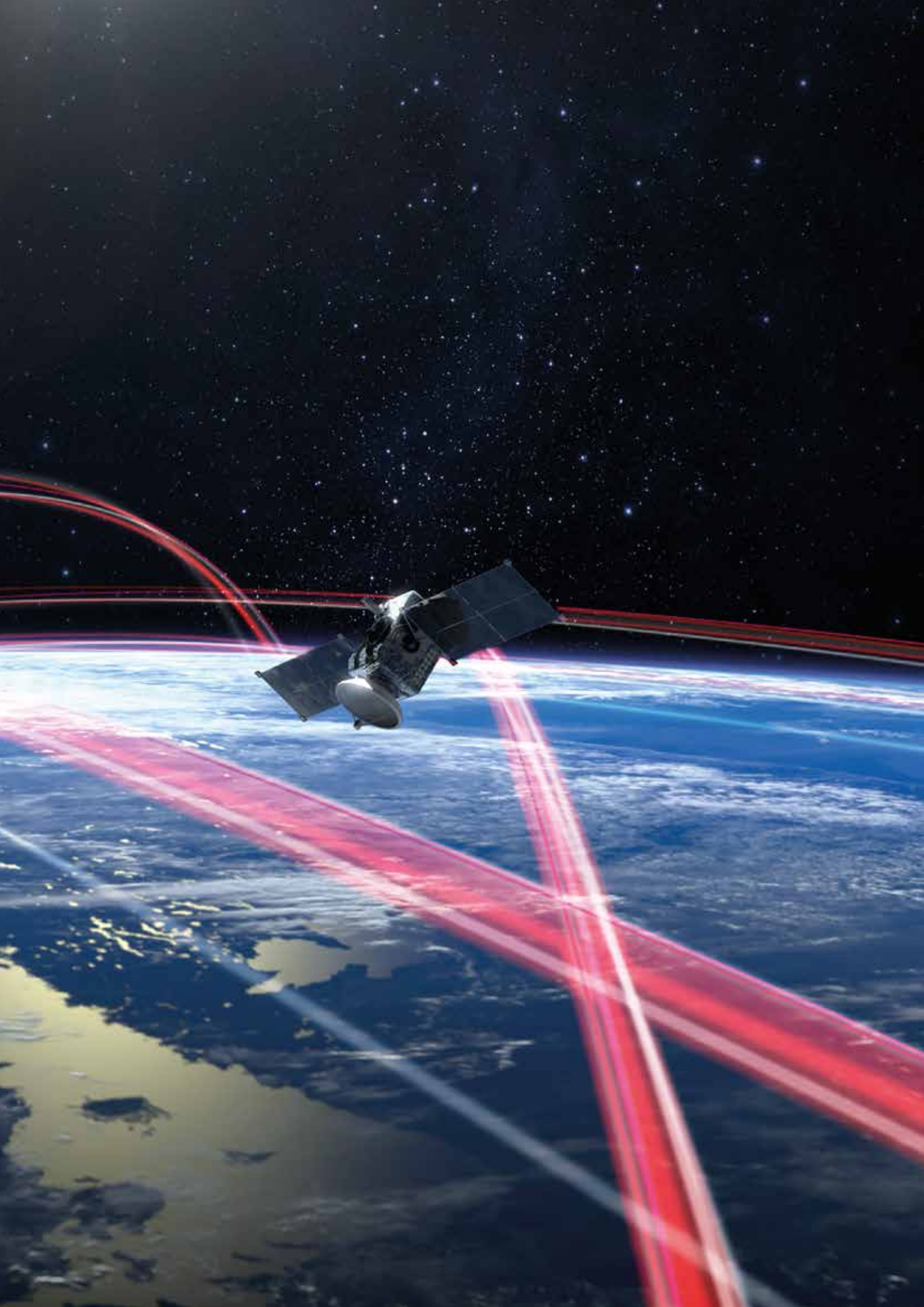
Standardised and individual ERP and PLM/PDM interfaces ensure consistent data throughout your entire value chain. Working with EPLAN enables seamless cross-discipline engineering.

Whether you are a small or large business, we can help you use your expertise more efficiently. EPLAN wants to work with you, our customers and our partners, to grow and promote integration and automation in engineering. Our motto is „Efficient Engineering“.

EPLAN was founded in 1984 and is part of the Friedhelm Loh Group. The family-owned business has 12 manufacturing sites and 94 international subsidiaries worldwide.

Further information:

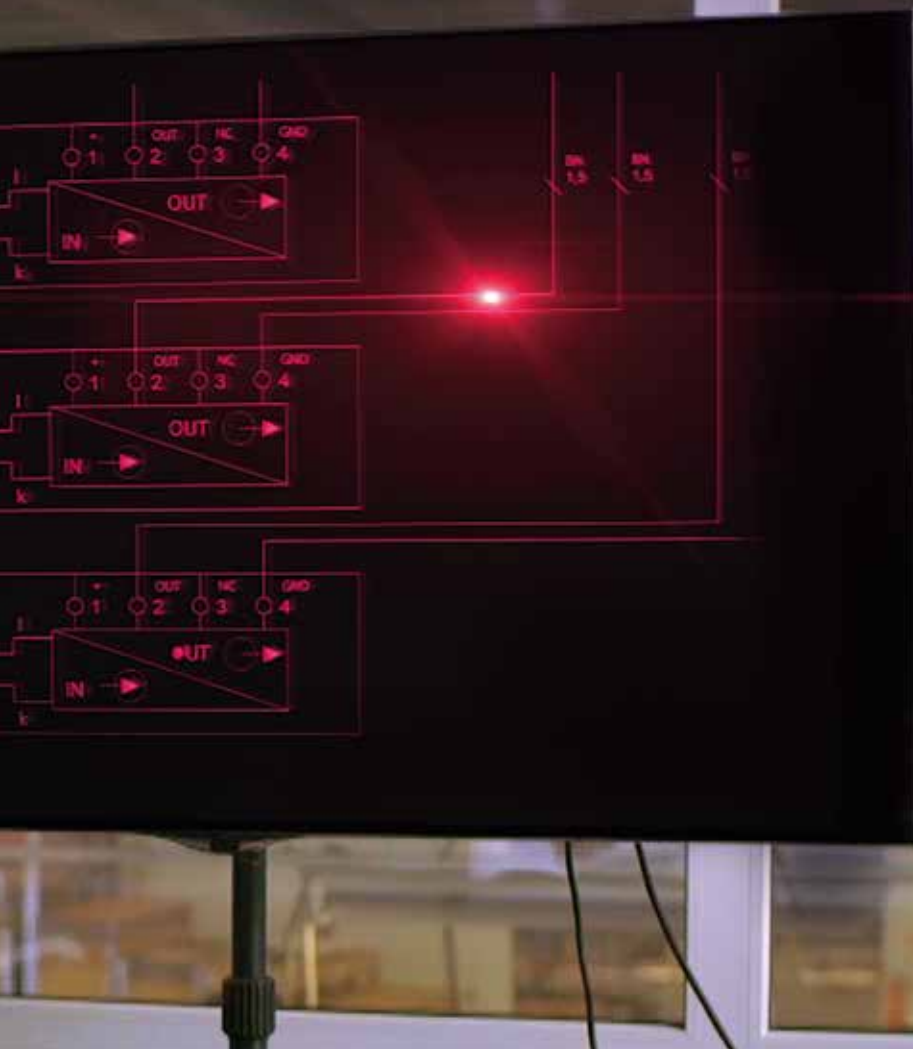
www.eplan-efficient-engineering.com





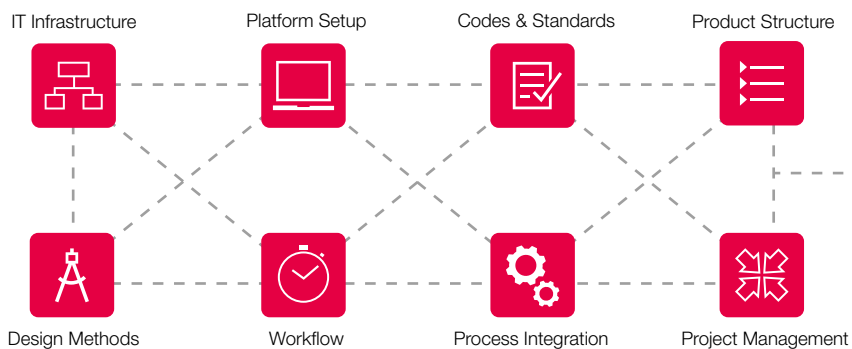
Step by Step to More Efficiency

EPLAN Experience is a concept that highlights how you can achieve a concrete process optimisation. It shows you how to work in a functionally structured way and follow uniform standards. You can also increase your engineering efficiency step by step with a solid data basis.

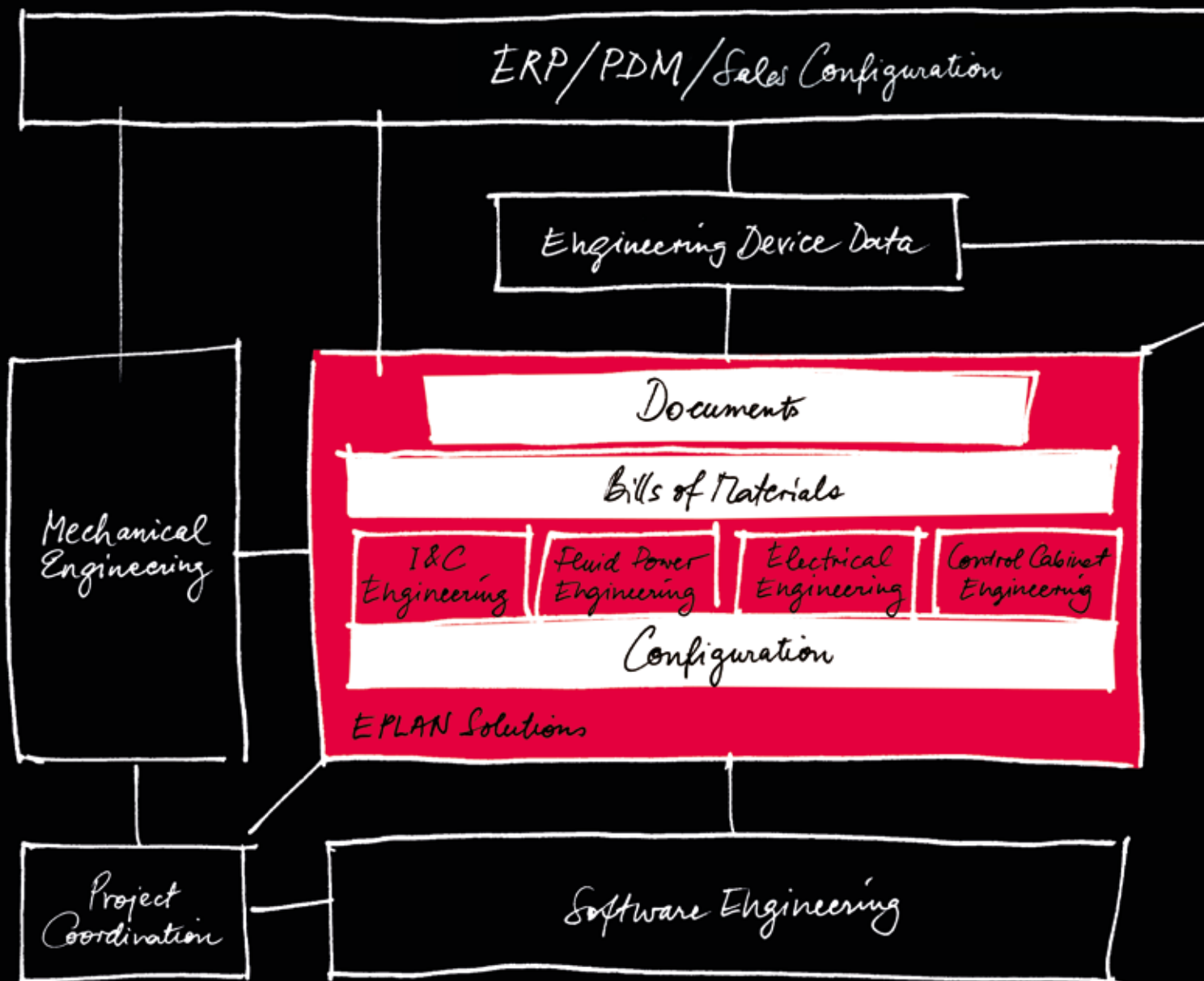


Eight fields of action are at the centre of EPLAN Experience.
 This can be a certain topic in your company, or a process which shows optimised engineering potential.

You can implement everything if you would like, but you do not have to. The concept is open to shape: your scope determines the action points - regardless of the size of the company, location or industry.



The EPLAN Process at a Glance



When it comes to your design, engineering, and manufacturing tasks, having the right expert system is a must. But how do the systems connect to each other, and what about the Single Source of Truth?

We examine your process across all disciplines and focus on higher efficiency and data consistency:

- Interdisciplinary communication
- Macros and configuration
- Bidirectional data exchange
- Interfaces to ERP/PDM
- Data transfer to control cabinet manufacturing
- Efficiency via cloud solutions

From Engineering to Manufacturing

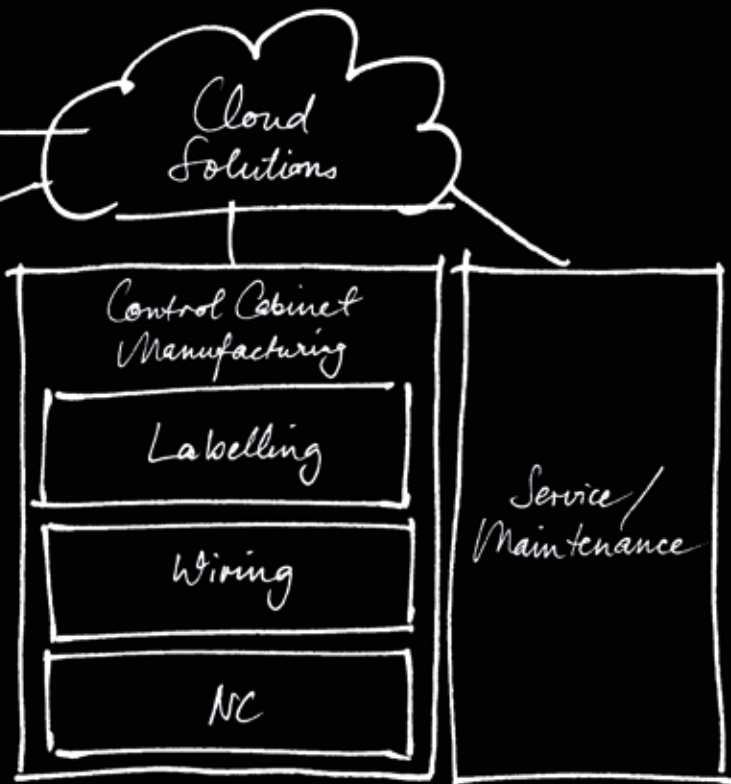
It is obvious that your process has the highest potential. The key to unlocking this potential and adding value is ensuring all systems collaborate with each other - from engineering to manufacturing.

Reuse is the Goal

Structuring your projects and templates significantly increases the opportunity to reuse. We support you with this!

Standardised Database for Your Projects

You need to ask yourself from the start of the project which components you need for planning. The EPLAN Data Portal gives you all the data you require.





EPLAN and RITTAL: Added Value with United Strength

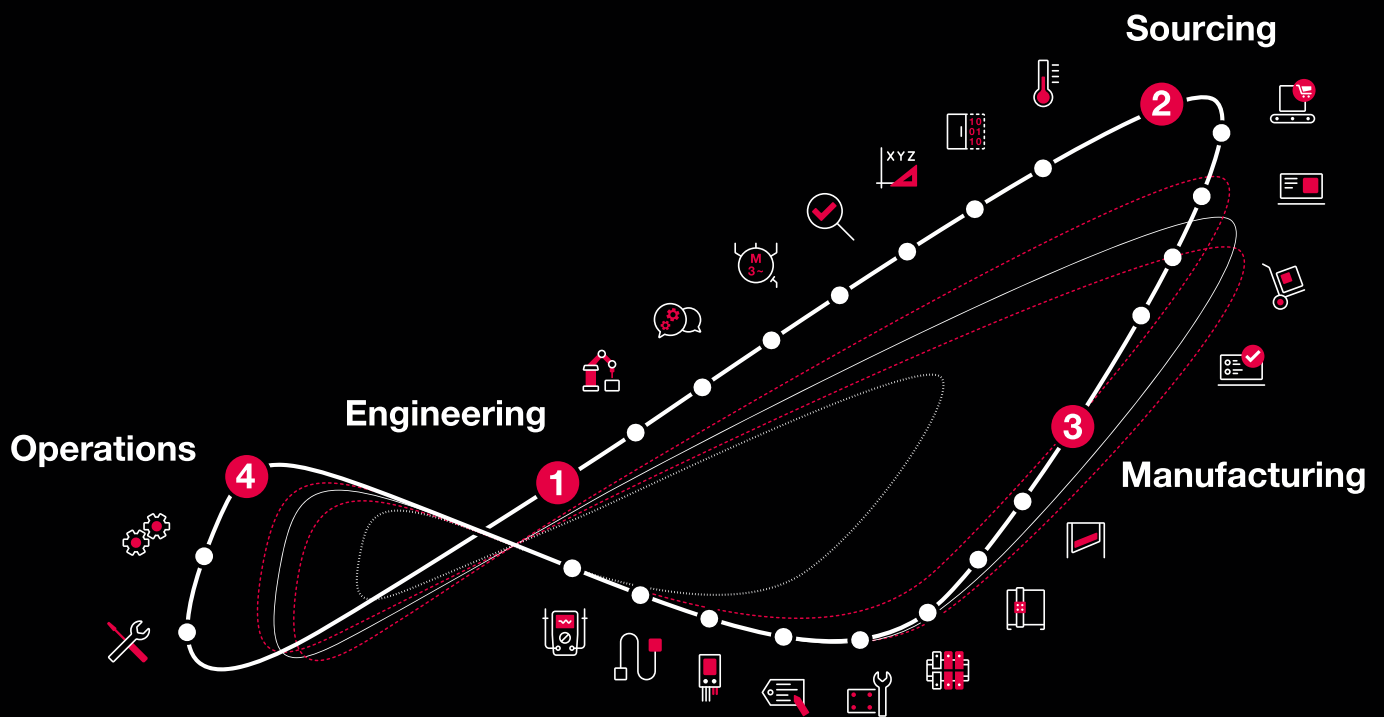
Start with a consistent process: with software solutions for virtual designing your control cabinets in 3D, fully automating your wire assembly as well as efficient wiring in manufacturing. Cloud-based maintenance opens up new horizons in service and maintenance. This allows you to exploit the full potential of automated process steps.

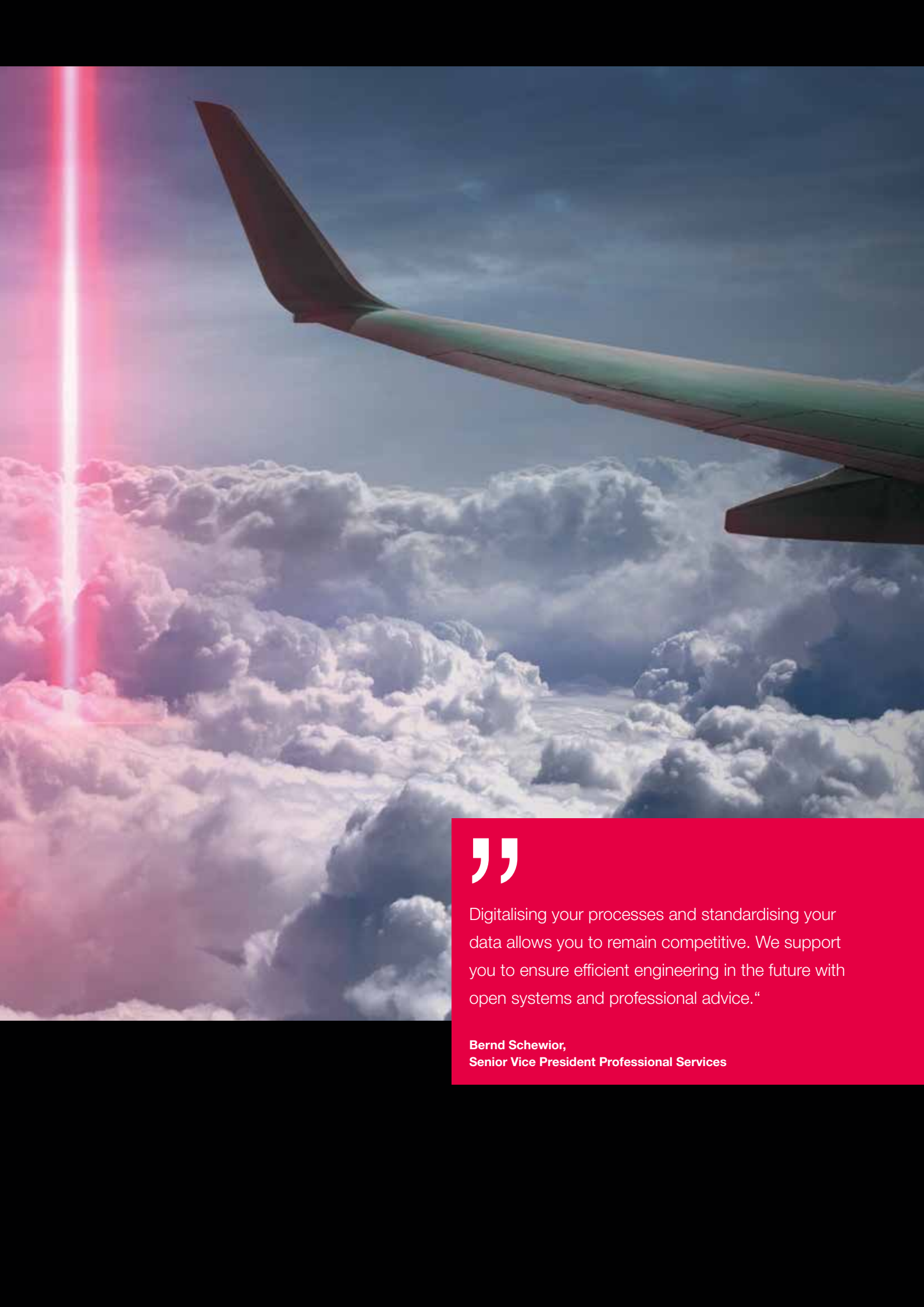
How can you add value to your company processes and make them faster, more economical and more precise? EPLAN and our sister company, Rittal, automate and industrialise control and switchgear design with our expert knowledge and ideally aligned solutions.

Our secret to success is continually improving the collaboration between product development and manufacturing. We focus on combining software solutions with system technology and automation machines to create a tailored solution for your value chain - from the individual process steps in engineering and design through to job preparation

and manufacturing. The advantages are clear: Digitalisation and consistency throughout your processes and systems, which significantly reduces the manufacturing and assembly time.

By optimising your individual value chain, you uncover huge potential for your company, including the opportunity to set yourself apart from your competitors in your industries and target markets with a unique selling proposition.





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Digitalising your processes and standardising your data allows you to remain competitive. We support you to ensure efficient engineering in the future with open systems and professional advice.“

Bernd Schewior,
Senior Vice President Professional Services



OPEN



Everything under one roof:

The EPLAN Solutions

EPLAN supports you in setting up your engineering across disciplines. The foundation for this is the EPLAN Platform, which combines our software solutions. For you this means a considerable increase in efficiency when working on your EPLAN project because your digital data flow seamlessly from solution to solution and are further enriched along each step of the process. With the EPLAN Cloud, you have a working environment at your disposal that offers genuine added value, for instance when working on projects across different business locations.

EPLAN Platform

The EPLAN Platform combines software solutions for every engineering discipline – from preplanning to design right through to production of switchgear systems, control cabinets and wire harnesses. It includes:

- **EPLAN Automated Engineering:** EPLAN Cogineer serves as the foundation for automatic schematic generation with just a mouse click. EPLAN Engineering Configuration (EEC) gives you a versatile tool for designing and using configuration interfaces.

- **EPLAN Preplanning** lets you enter, edit and update engineering data starting from the preplanning phase. You can import data from external tabular sources as well as capture graphics of plant system or machine overviews, not to mention process and instrumentation diagrams.

- **EPLAN Fluid** is your engineering tool especially for project planning and automatically creating documentation for the schematics of fluid engineering systems including hydraulics, pneumatics, cooling and lubrication.

- With **EPLAN Electric P8** you can plan and design the electrical systems for machine and plant systems in one engineering solution. The centrepiece of the EPLAN Platform supports a variety of engineering methods: from manual creation through to standardised and template-based working.

- **EPLAN Pro Panel** lets you plan, design and build control cabinets, switchgear systems and power distribution systems for power supplies, all in 3D, while also getting the data needed for manufacturing.

- Use **EPLAN Harness proD** for efficiently designing and documenting cabling and wire harnesses and for machine cabling in both 3D and 2D.

EPLAN Cloud



Mechanical
Engineering



Automated
Engineering



EPLAN
Preplanning



EPLAN
Fluid



EPLAN
Electric P8



EPLAN
Pro Panel



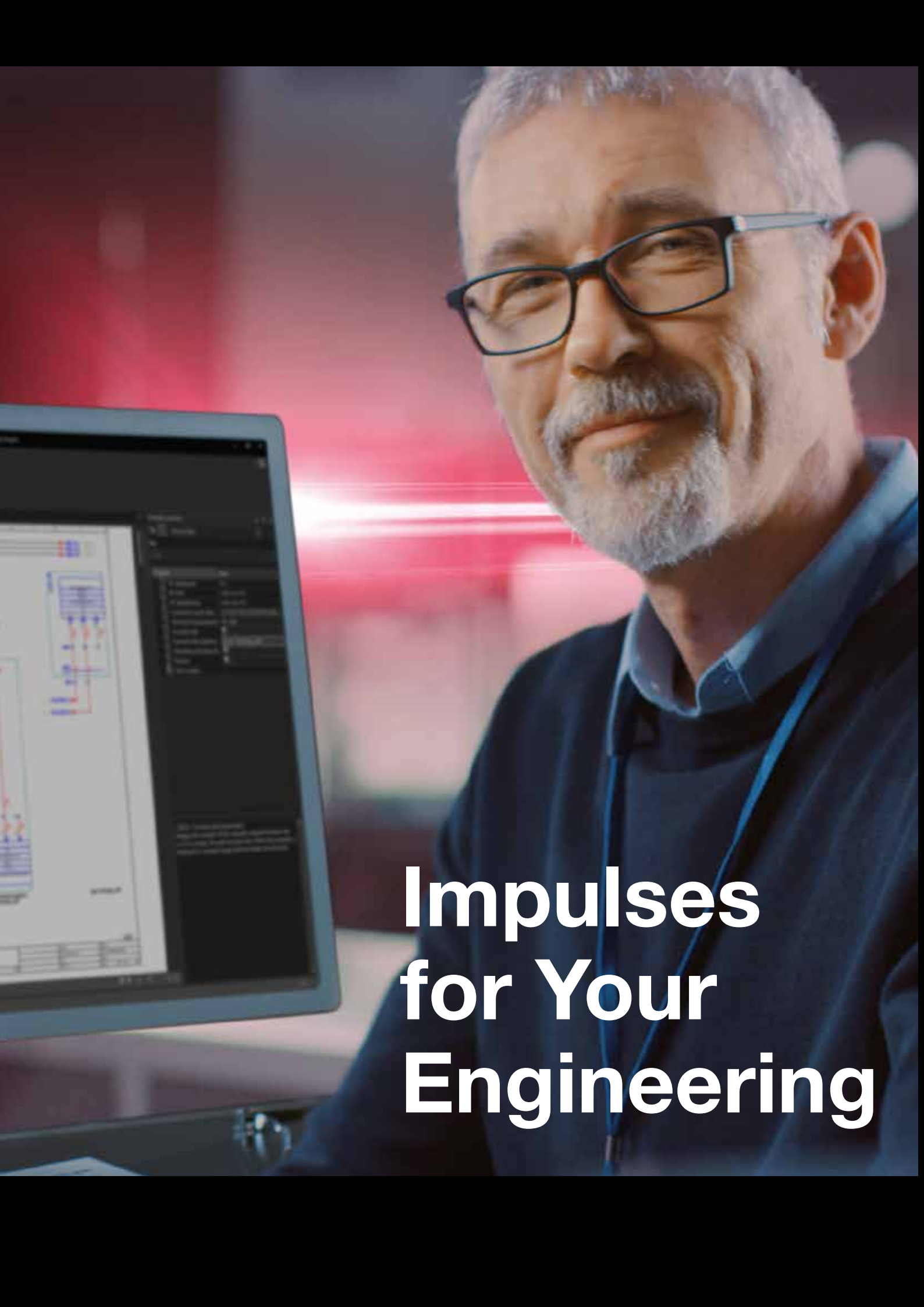
EPLAN
Harness proD



Software
Engineering



ERP/PDM



Impulses for Your Engineering

EPLAN Cloud

The EPLAN Cloud solutions and the newest generation EPLAN Platform let you optimise collaboration on your engineering projects across systems, disciplines and geographic boundaries.

Our cloud applications:

- **EPLAN eMANAGE** is your cloud-based foundation for active collaboration on projects and across company locations. You can quickly and safely share your data with co-workers, partners, suppliers and clients.
- Use **EPLAN eVIEW** for making review processes completely digital. It allows you to look at project data on a browser, no matter where you are, and comment on or make changes via redlining workflows.
- The **EPLAN Data Portal** provides you access to valuable manufacturer data.
- **EPLAN eBUILD** helps you take the decisive step towards automated engineering. You can easily and automatically create schematics in your daily work with just a mouse click.

Discover additional services

Registering on www.eplan.com offers you many additional benefits: for instance, our Guided Installation gives you step-by-step instructions for installing your software. The EPLAN Engineering Standard supplies you with useful templates and examples for standardised working, starting from your first EPLAN Project. Interactive eLearning courses let you independently refresh your practical knowledge of current EPLAN software whenever you want.

Registration link:

www.eplan.com

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0100 0001
0100 1110

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We are there for You!

Individual Consulting for Decision Makers

Exploit your full potential. Our consultants work with you to develop the perfect, universal solution for your company – starting in the design phase and working through to implementation. We help you to keep an eye on the development status and the costs.

You will find exciting stories based on Industry 4.0 and EPLAN, the latest status of current industry trends and insights on our social media channels.



Professional Support for Users

When it comes to using our software, we offer online support in different languages with direct access to our experts via phone or our ticket system. The support we offer depends on your requirements – from basic support

through to 24/7 service. We also provide training on the software specifically suited to your demands and your employees at our Training Academy or onsite at your company.



A desert landscape at sunset. The sky is filled with soft, orange and yellow clouds. A bright red laser beam cuts across the dark sand dunes, creating a sharp contrast. The overall mood is one of innovation and forward-thinking.

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We believe in the creativity of your engineers and enable them to make their ideas into a reality. Our customers' requirements are at the centre of all that we do. That's why we develop our software solutions agilely and take individual challenges into account.“

Dieter Pesch,
Senior Vice President Software Development & Operations

EMPOWER



Working Together for the Engineering of Tomorrow

EPLAN is more than a product of software and solutions. We have around 1,100 employees in 50 countries across the globe that continuously work together on digital transformation. We know that the future belongs to those that firmly believe in its possibilities. That is why we remain in contact with people from different disciplines and across country borders.

As well as our expertise and curiosity, fun@work shapes the way we work. At EPLAN, we have the courage and freedom to think and dare something new. We develop innovative ideas for the engineering of tomorrow in a highly professional environment. This gives every employee the opportunity to shape their future for themselves - with trust, full commitment and fun@work.



WEPLAN

Perfectly Connected

EPLAN Partners

We maintain successful partnerships - some of which have been in place for many years - with numerous national and international companies and work together in the fields of ERP, PLM/PDM and ECAD. Our common goal is to actively drive digital change. We stay in touch with our partners and exchange ideas. Maybe you could be one of them? Contact us.

With the **EPLAN Partner Network**, we are getting connected with companies of different industries, sizes and business areas. Our goal: Jointly developing integrated solutions to ideally support you in meeting your business challenges.

Further Information: www.eplan.de/partner



Progress through Expertise

EPLAN Education

At EPLAN, we are committed to developing specialist engineering knowledge right from the start. EPLAN Education gives prospective engineers, schools and universities access to our software solutions in electrical, fluid, preplanning, and control cabinet engineering with full access to the EPLAN Data Portal. Lesson plans, exercises, and written exams supplement the training concept, which is now being used at more than 1,000

institutions worldwide as a training tool. Young professionals around the globe can close the gap between theory and practice and secure their knowledge.

Further information:

www.eplan.education

Friedhelm Loh Group

11,600
Employees
worldwide

12
Manufacturing plants
worldwide



8x
Top Employer



2,6 billion
Euro revenue

94
Subsidiaries worldwide

Further information: www.friedhelm-loh-group.com

EPLAN

efficient engineering.

- Process Consulting
- Engineering Software
- Implementation
- Global Support

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