**PRESS RELEASE**

**tec.nicum „Safety. Smart. Sustainable.“**

**All-in-one services for machine safety**

**Wuppertal, 25. November 2025**. The demands on modern production facilities are increasing: safety, efficiency and sustainability must go hand in hand today. With the guiding principle "Safety. Smart. Sustainable." tec.nicum, the Schmersal Group's service division, shows how machine safety can be intelligently combined with digital technologies and practical implementation - for a sustainable industry.

The focus is on AI-supported security monitoring, digitalised lockout-tagout processes and energy optimisation tools. The combination with augmented reality (AR) makes safety plannable and tangible - planning becomes visually tangible, investments transparent and costs clearly calculable.

**Digital planning meets real implementation**

"We are showing how digitalisation is redefining machine safety," explains Anton Ivanov, Head of Sales & Operations at tec.nicum GmbH. "By combining CAD technology, AR visualisation and AI-based analysis, we are increasing plant safety and minimising downtimes." The company relies on a turnkey approach: customers receive everything from a single source, from consulting and engineering through to implementation. Practical examples from real projects illustrate how companies can benefit in the long term - technically, organisationally and economically - from the combination of digital tools and security expertise. "Our goal: to make your processes more secure, efficient and future-proof - and to relieve our customers as much as possible in the process."

One highlight is the integration of CAD technology with augmented reality (AR). This means that safety concepts and system layouts are not only visualised, but can also be experienced interactively. Investments become transparent and costs can be clearly calculated - even before the first move is made. The AR overlay on machines provides a glimpse into the future of safety and makes complex interrelationships intuitively understandable.

**Turnkey approach for maximum relief - complete solutions from a single source**

tec.nicum offers manufacturers and operators a comprehensive service: from consulting and engineering to implementation. Whether innovative engineering tools, 3D visualisations or customised processes - all services come from a single source. The result: safe, efficient and sustainable production solutions with minimal effort for the customer. The range of services offered by tec.nicum comprises six areas: Academy (knowledge transfer), Consulting (advice), Engineering (technical planning), Integration (execution and implementation), Digitalisation (software solutions and new digital technologies) and Outsourcing (complete solutions).

**Images in print quality for** [**download**](https://www.schmersal.com/en/press/press-releases/detail-pm/tecnicum-safety-smart-sustainable-en)**.**

**Captions**

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Ein Bild, das Himmel, Maschine, Kleidung, Bautechnik enthält.

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A look into the future: The combination with augmented reality (AR) makes machine safety plannable and tangible - planning becomes visually tangible, investments transparent and costs clearly calculable.

**20251125\_tecnicum\_02.jpg**

Anton Ivanov, Head of Sales & Operations bei der tec.nicum GmbH.

Ein Bild, das Menschliches Gesicht, Kleidung, Person, Mann enthält.

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**20251125\_tecnicum\_02.jpg**

Anton Ivanov, Head of Sales & Operations bei der tec.nicum GmbH.

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**The Schmersal Group**

In the demanding field of machine safety the Schmersal Group is one of the international market and competence leaders. Based on the world's most comprehensive product portfolio of safety switching devices, the group develops safety systems and safety technology solutions for the special requirements of various user industries. Schmersal's solutions include the tec.nicum business division and its comprehensive range of services.

The company was founded in 1945, and is represented by eight manufacturing sites on three continents and with its own companies and sales partners in more than 60 countries. The Schmersal Group employs around 2,000 people.

**About tec.nicum**

tec.nicum is the Schmersal Group‘s business unit for solutions and services related to machine, plant and occupational safety. Schmersal restructured its service business in 2024. The range of safety services offered by tec.nicum has been significantly expanded – particularly with regard to digitalisation and complete solutions for machine safety – and the global activities and expertise have been more closely integrated.

In April 2024, Schmersal founded tec.nicum – Solutions & Services GmbH as a new subsidiary, which also incorporated omnicon engineering GmbH, which Schmersal had already acquired in 2019. The headquarters of the new subsidiary is located in Kirkel-Limbach, Germany.

The four pillars on which tec.nicum's offering was previously built - academy, consulting, engineering and integration - have been supplemented by two more: digitalisation and outsourcing. digitalisation: tec.nicum is increasingly offering newly developed software solutions, such as a new tool for carrying out risk assessments, as well as new digital technologies such as cloud solutions, IIoT applications, digitalised lockout tagout procedures and energy management tools.

outsourcing: tec.nicum offers companies the opportunity to completely outsource all tasks related to machine safety, from the planning and installation of control cabinets to the design of holistic safety solutions. tec.nicum provides the user with ready-to-connect plug & play solutions.

Thanks to its worldwide consultancy network, tec.nicum services are available around the globe. tec.nicum provides customers with competent, product- and manufacturer-neutral advice and supports them in the safety-related design of their machines and production lines.

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