**Press RELEASE**

**From digital lockout-tagout to artificial intelligence**

**tec.nicum presents its significantly extended range of services at SPS 2024**

**Wuppertal / Nuremberg, 12 November 2024**. tec.nicum, the service division of the Schmersal Group, will be presenting its significantly expanded range of services at the SPS in **Hall 9, Stand 460** - particularly in the field of new digital technologies.

For example, tec.nicum develops IIoT solutions for its customers so that data and information from production can be better used to increase the efficiency of machines and systems. Data from networked devices, sensors and actuators is collected and analysed in real time via a new cloud solution. The results and recommendations are used to optimise machines and processes. Key approaches include condition monitoring, predictive maintenance, key performance indicators (KPI) calculation and energy monitoring.

tec.nicum now offers a solution for occupational safety that is based on artificial intelligence: The tec.iara - Artificial Intelligence for Accident Reduction - video analysis system is an AI-based, visual safety monitoring system that can detect accident risks in real time by observing the interaction between people, objects and the work environment. For example, the video analysis system can recognise whether an employee is entering a hazardous area and trigger an alarm signal if necessary. The system can also detect the proximity of an employee to dangerous objects and check and assess the proximity and inclination of suspended loads.

Also new in the tec.nicum range is tec.dloto - Digital Lockout-Tagout. This is a software that supports the digital monitoring of the Lockout-Tagout process, which prevents industrial accidents by temporarily disconnecting machines completely from their energy sources.

Visit tec.nicum, the service division of the Schmersal Group, from 12 to 14 November 2024 at the SPS - Smart Production Solutions - in Nuremberg in **Hall 9, Stand 460**.

**Photo in print quality for download:**

https://products.schmersal.com/media/images/PHO\_DES\_PEO\_tec-digitalisation\_SALL\_AINL\_V1.jpg

**Image caption:**

tec.nicum, the service division of the Schmersal Group, has significantly expanded its range of services - particularly in the area of new digital technologies.

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**About tec.nicum**

tec.nicum is a subsidiary of the Schmersal Group, which offers comprehensive services in the field of machine safety. tec.nicum employs experts from various disciplines who are also qualified as Functional Safety Engineers and form a worldwide consulting network. The tec.nicum experts advise machine manufacturers and operators on all aspects of machine and occupational safety - regardless of product or manufacturer. They also plan and implement complex safety solutions around the globe in close cooperation with customers.

The range of services offered by tec.nicum comprises six segments: training (knowledge transfer), consulting (advisory services), engineering (technical planning), integration (execution and implementation), digitalisation (software solutions and new digital technologies) and outsourcing (complete solutions).

[**www.tecnicum.com**](http://www.tecnicum.com)

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