



WHEN TRUST MATTERS



INTELLIGENT SOLUTIONS – engineered by eks

As experts in the sector of industrial networking, we develop and produce high-quality electronic systems and modular communication systems for the transfer of data via fiber optics. Customized engineering services complying with the “best-in-class” principle provide the finishing touch to our corporate portfolio.

As an independent, owner-managed family company, we have focused on important customer requirements such as performance, efficiency, and investment security for more than 80 years. In the process, we trust in our many years of experience. At our headquarters in the southern Sauerland we have produced fiber optic systems since 1986 – and not least because of this, can rank ourselves among the pioneers of modern communications.



WHEN PERFORMANCE MATTERS



AUTOMATION

Thanks to our many years of experience in the complex industrial sector of mechanical engineering, our customers can rely on holistic solutions developed specifically for them. We base our products on the latest technologies which comply with the current market standard and which have already proved their high reliability under difficult operational conditions. Redundant glass fiber solutions increase reliability and ensure that the systems remain available even in worst-case scenarios. A wide range of protection mechanisms with short response times safeguard critical applications effectively against failure.

- **Permanently available in demanding environments**
- **Flexible thanks to intelligent solutions**
- **Proven by coordinated holistic solutions**



ENERGY

Smooth communication is one of the most important aspects when operating energy supply systems. This applies equally for communication at control station and process level. The interplay of innovative products, intelligent solutions, and customized services ensures that sophisticated challenges such as redundancy and system security can still be mastered when efficient cost structures are required. In tackling such challenges, we also take into account complex environmental conditions such as extensive temperature ranges or the occurrence of humidity.

- **Reliability – to guarantee maximum system availability**
- **Process buses based on fiber optics reduce costs**
- **Compliance with standards enhances efficiency**



WHEN COMPETENCE MATTERS



EXPLOSION PROTECTION

Optical PROFIBUS and Ethernet networks permit secure and highly available data communication in explosion-prone environments. Because of their attributes, fiber optics are used here. They are not sensitive to electromagnetic radiation and can therefore be employed in systems incorporating converters and motors without any risk of causing faults. Furthermore, they can bridge gaps of up to 100 km. We develop tailor-made failsafe converters and switches, which are already available in small series.

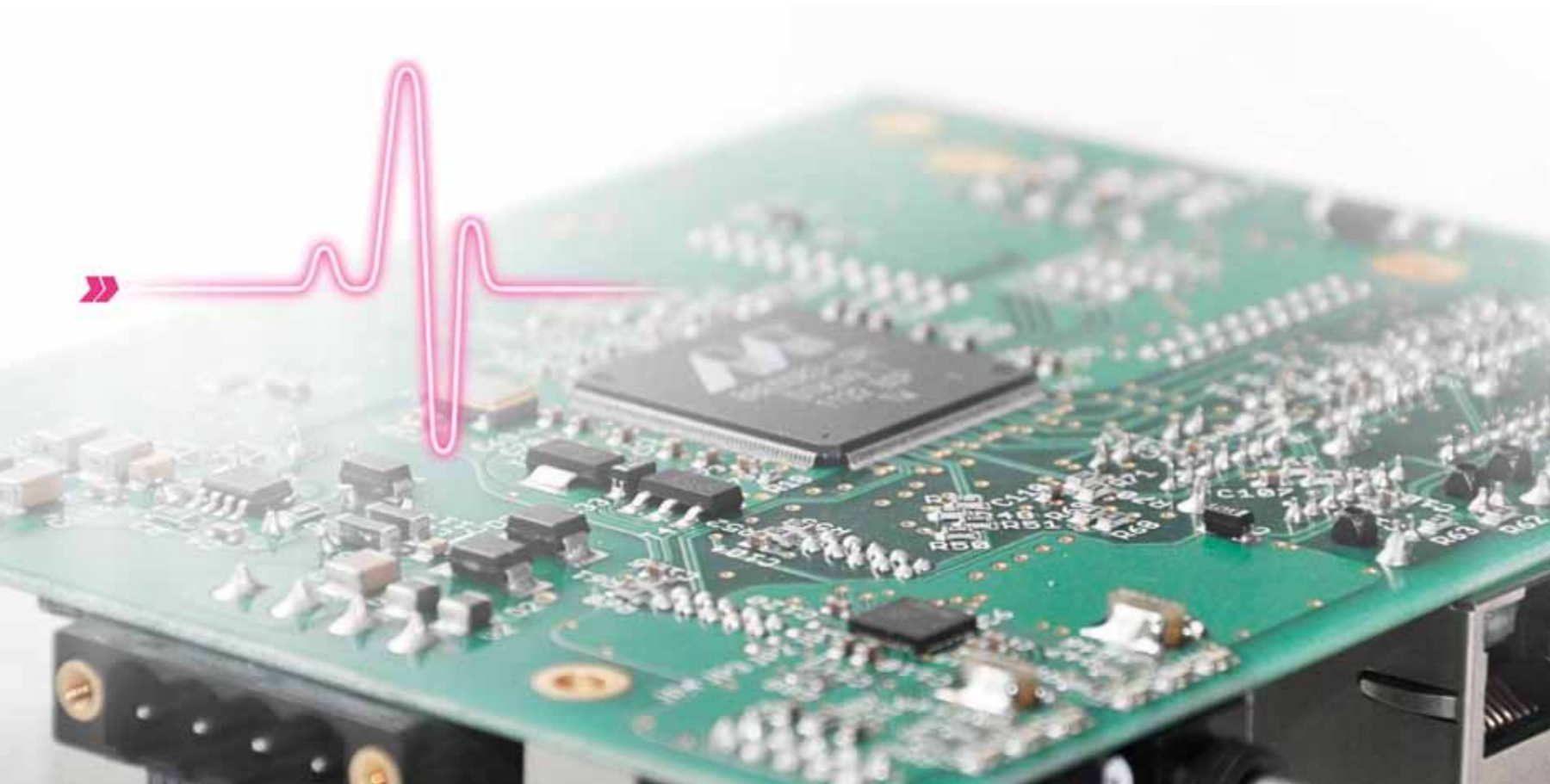
- **Secure data communication in explosion-prone areas**
- **Fault-free use, also in systems with numerous converters and motors**
- **Bespoke converters and switches with different protection types**



SECURITY

An increased need for security and increasing threats result in a rising demand in the professional monitoring system sector. Our integrated and service-proven system solutions satisfy the most demanding requirements. They guarantee that enormous data streams can be handled in accordance with decisive parameters, such as secure transfer and storage. Measures for immunity from eavesdropping, which can be configured on a customized basis, seal off a system hermetically from access by unauthorized persons, thus safeguarding sensitive data.

- **Potential separation and immunity from eavesdropping**
- **Audio and video data transmission**
- **Secure data transfer over long distances**



WHEN CUSTOMIZATION MATTERS



BUILDING

As experts for data transfer with the help of fiber optics, we offer our customers an in-depth mixture of performance, innovative power and efficiency in building automation. Robust and reliable equipment ensures that systems remain permanently available. Compliance with standards – such as, to take one example, a rail mounted device according to DIN 43880 – is nothing special for us, but an ordinary part of our everyday routine.

- **Comprehensive system management**
- **Support for approval and certification**
- **Customized solutions**



INFORMATION TECHNOLOGY

The value of computer centers can be recognized from the statistics relating to availability. The maximum requirements are as follows: In 24/7-operation, full computer performance, storage, and network functions must be available to ensure all corporate processes intermesh without a hitch. We master this challenge with tried and tested holistic solutions which not only ensure that your data is permanently available, but also offer options for the future. Reliable network structures facilitate monitoring of the corporate IT.

- **Highest network performance**
- **Reliable, available, and stable**
- **Expandable and future-proof**



MAKING LIFE SAFER

High-speed networks and the technologies associated with these enrich both the private and professional lives of each and every one of us. Fundamental requirements for achieving this are the reliable operation and permanent availability of these networks and technologies. With the best products for intelligent performance, every day we prepare the ground for data to be transported securely, for infrastructures to operate fault-free, and for our workstations to remain competitive on a sustainable basis.

Our innovative power plays a key role in making life safer. Day after day. Constantly.

01/2016



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