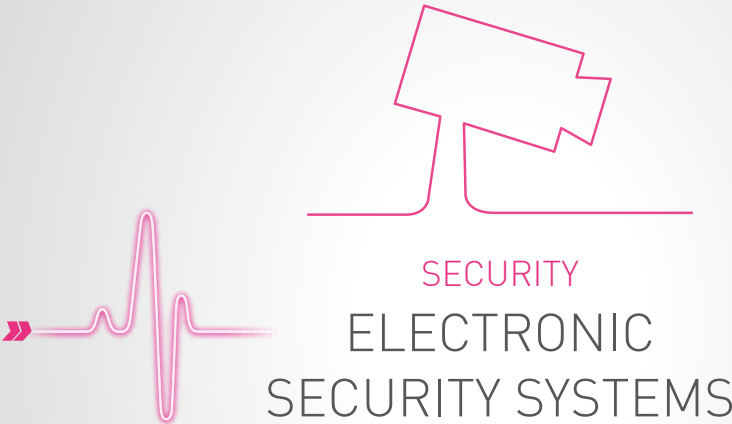


WHERE WE ARE NEEDED





ELECTRONIC SECURITY FOR ACCESS CONTROL, AND INTRUSION AND FIRE ALARM SYSTEMS

Our fields of expertise:

- Monitoring systems (CCTV)
- Fire alarm / fire protection systems
- Access control
- Hold-up and burglar alarm systems
- Hazard alarm systems
- Electroacoustic/voice alarm systems



HOW CAN I GUARANTEE THE SECURITY OF MY REAL ESTATE?

No compromises can be made when it comes to real estate security. Access control and monitoring systems at critical spots such as airports, railroad stations, tunnels, and traffic hubs must function constantly and without interruption 24/7. How can you ensure that electronic security systems work reliably, in particular when decentralized units and high data rates are involved? Which devices at fieldbus or Ethernet level guarantee that these systems function properly even in tough operating conditions where humidity, vibration, or extreme temperature fluctuations typically occur? How can large distances between the various system components be bridged reliably and disruption-free and electromagnetic interference be excluded? What happens when different interfaces are used, or if interfaces are replaced? All these questions need to be answered in order to be able to operate state-of-the-art electronic security infrastructures reliably. eks offers active and passive fiber optic cable systems – such as switches and converters, as well as bypasses for electronic security systems – that provide precisely the right answers to the questions posed above.

Try us out – contact us today to ask your questions.

If you have the following requirements, eks has the solution:

- Safe networking of decentralized systems
- Uninterruptible bridging of large distances
- Reliable overvoltage protection (lightning protection) / electrical isolation
- Reliable electromagnetic compatibility [EMC]
- Guaranteed protection against tapping
- Long-term investment protection

REAL ESTATE SECURITY

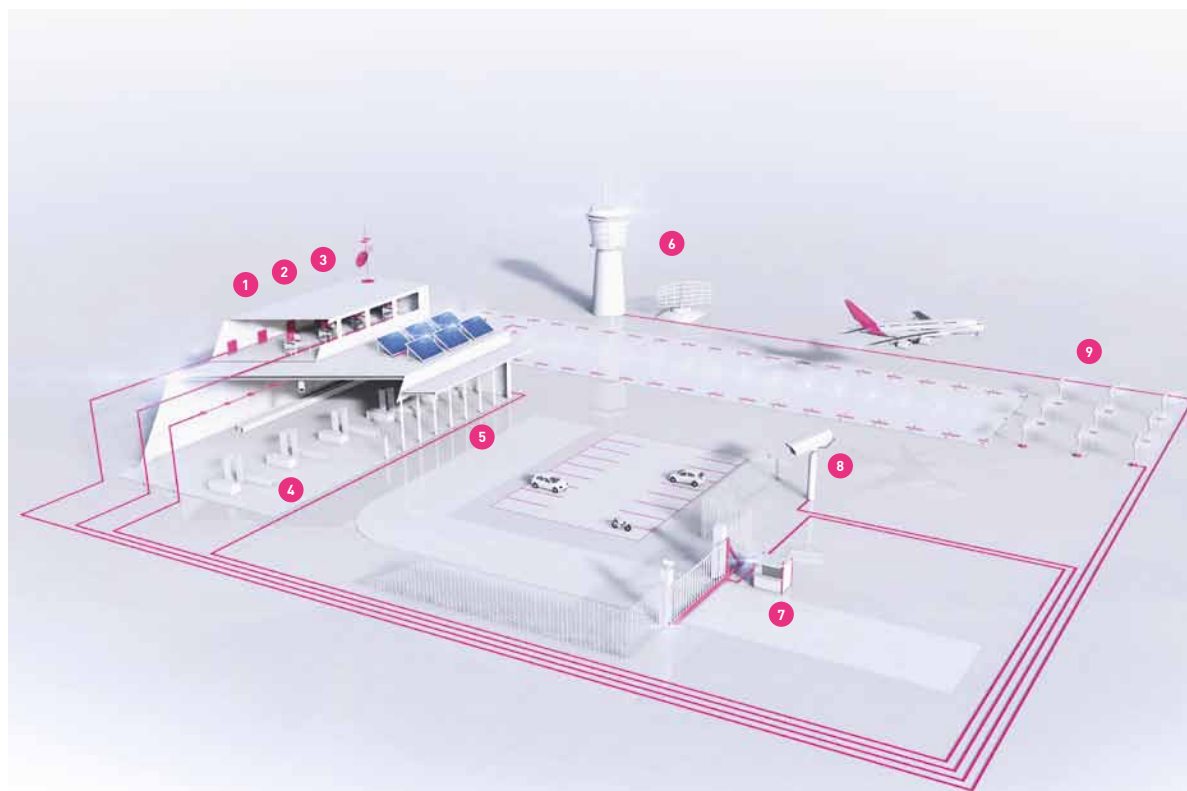
BY MEANS OF DATA TRANSFER USING FIBER OPTIC CABLES.

Fiber optic cable systems provide a long-term solution for problem-free data communication in electronic security systems. Regardless of whether traffic systems, such as intelligent control systems, fire alarm systems or access control and monitoring systems are concerned, with fiber optic cable technology from eks you will always ensure interruption-free operation. Fiber optic cable systems enable high data rates and long distances to be handled for secure data communication without any problems. Since fiber optic cables consist of non-conductive material, they are not influenced by electrical or magnetic interference, and devices connected to them even survive lightning strikes. They can be laid in the immediate vicinity of electromagnetic sources, and no potential compensating currents occur – which are a particular concern in extensive systems – because data transfer on fiber optic cables does not involve an electrical isolator. Fiber optic cable technology is thus significantly superior to conventional copper cable-based systems. Because even when interfaces are changed, which with copper cables can quickly lead to re-laying of cables, you can continue to work with the fiber optic cable system as it is independent of the interface. Its resistance to temperature, humidity, shocks, and vibrations also means that it is ideally suited for use in inhospitable environments and harsh climatic zones. The "FiberView" system from eks also provides you with a powerful monitoring tool, a combination of hardware and software which constantly monitors the budget – the difference between transmitter output and receiver sensitivity. With its easily understandable traffic-light system, "FiberView" displays whether the budget is in the green, amber, or red range, thus facilitating system management, a feature which cannot be provided by conventional network management and SCADA systems. eks Ethernet and fieldbus components have been optimized for all standard network infrastructures, which ensures constant high performance and stability of your real estate security system.

Go for security, go for eks.

The following topologies can be implemented:

- Point-to-point
- Star
- Ring topology
- Linear
- Tree
- Bypass technology



- | | |
|-------------------------|-------------------------------|
| 1 Fire Alarm System | 6 ILS |
| 2 Security Alarm System | 7 Access Control |
| 3 Burglar Alarm System | 8 CCTV |
| 4 PA system | 9 Illumination & Weather Data |
| 5 GLT | |

OUR PROMISE:



SO easy»»

We would like to make it as simple as possible for you: The cooperation with our customers is characterized by fast response times, direct communication and minimum bureaucracy. Our general agreements are fair and our support prompt. We are open for new developments and react flexibly to your needs.

SO clever»»

We deliver efficient solutions from one source – from active and passive components to the corresponding accessories and customized services. Comprehensive testing and simulation saves time and money. Our clear structure for prices and discounts makes business with us transparent.

SO safe»»

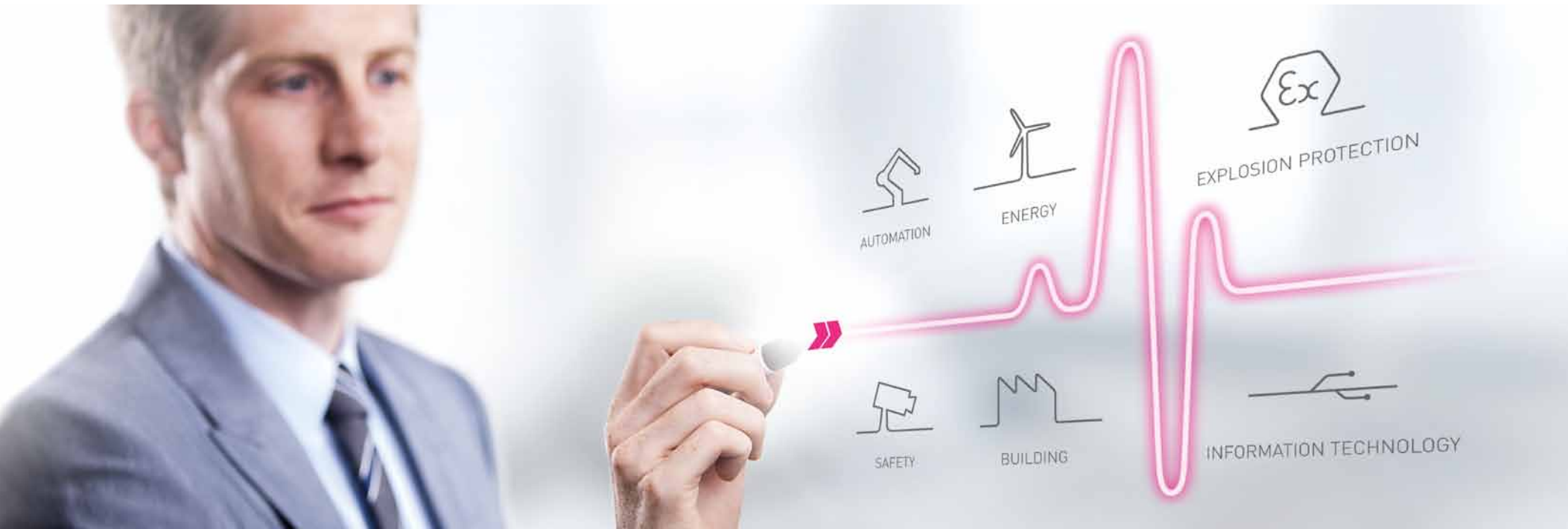
With FO technology and exclusive customizing we offer a high degree of security. Since for us security means more than product security. It also covers all subsequent processes.

SO quick»»

Our customers benefit from our fast production processes. They are continuously improved and well documented. We also require these standards from our suppliers. This combination of performance and efficiency is the only way we can ensure and maintain short delivery periods.

Scan the QR code and watch the videos.





INTELLIGENT SOLUTIONS – engineered by eks

We are experts in industrial communication and we develop and produce high-performance electronic systems and modular devices that transmit data via fiber optics. Apart from that we offer customized engineering services on the „Best in class principle“.

As an independent, owner-managed family company, we have been standing for important customer needs such as performance, efficiency and security of investment for more than 80 years. Doing so we trust in our long-term expertise. At our headquarter in Germany we have been producing fiber optic systems since 1986 and not least because of that, we can call ourselves pioneers of modern communication.



eks Engel GmbH & Co. KG

Schuetzenstrasse 2-4
57482 Wenden, Germany

Phone +49 2762 9313-600
Fax +49 2762 9313-7906
info@eks-engel.de
www.eks-engel.de

