

# data communication



## About eks

eks is an internationally operating company, specialising in product and application specific fiber optic solutions. Extensive expertise and flexibility are the basics of the successful development and production of reliable and efficient fiber optic systems. These characteristics and the overall eks service are awarded with an ISO 9001 certificate for many years.



Advanced production methods and intelligent service are features of our young and flexible fiber optic innovation team. Our commitment is quality and the continuous improvement of processes and services. For customer requests and problems we are always all smiles and ears.

The performance and reliability of the systems is proven in various projects. Many airports, subways, railway stations, cities, tunnels, military areas and highways as well as power stations and ports are successfully equipped with eks fiber optics worldwide. Even under extreme conditions, the installed fiber optic modules proved their operating efficiency in those applications.



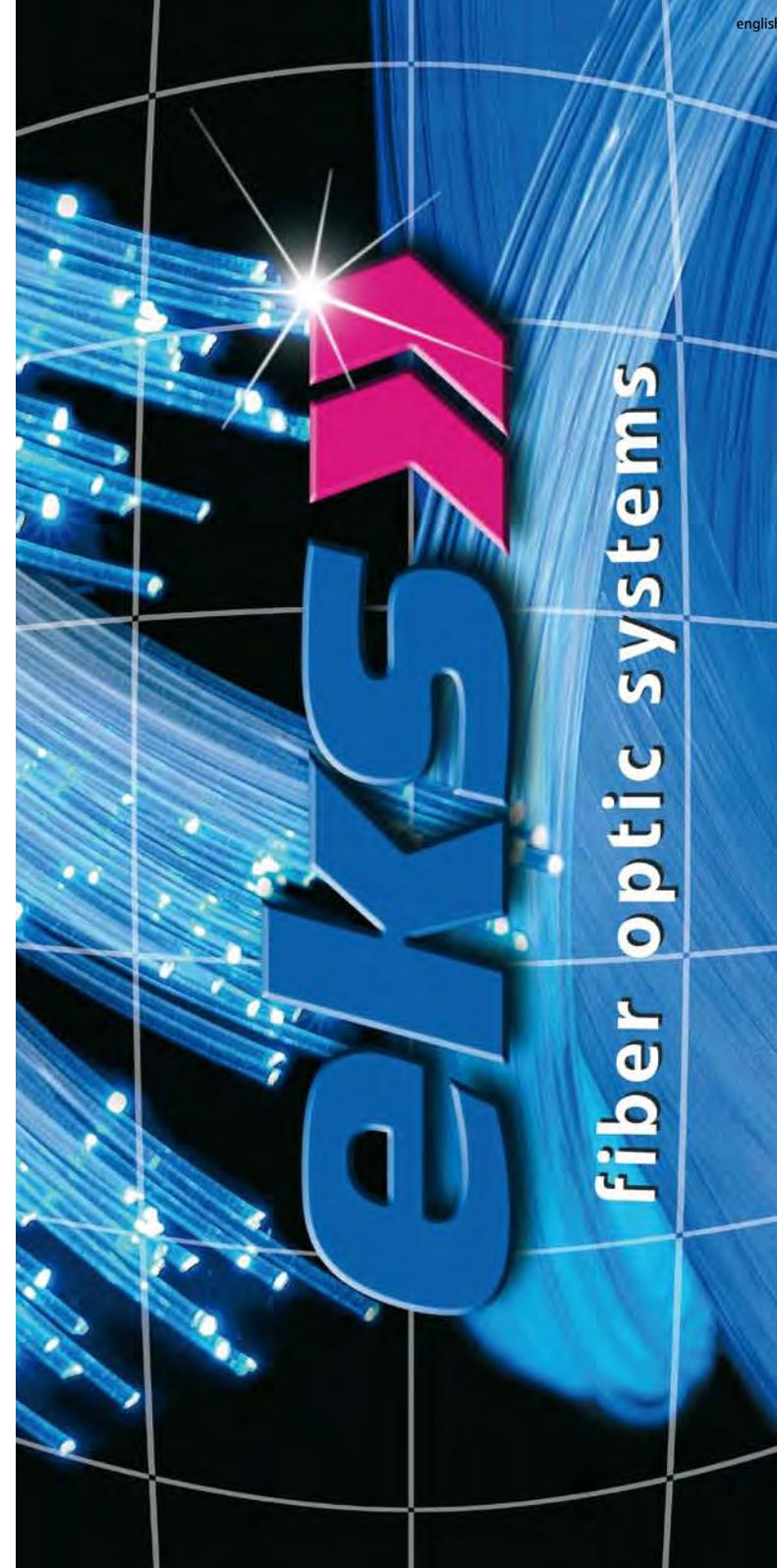
Alongside the well-established standard systems and services, eks also offers customised special solutions for industrial partners. In this context, eks uses its longtime expertise and the multifaceted applications of the fiber optic components, which are developed and produced at the eks headquarter since 1987.



During the planning and design phase of your projects, the eks fiber optic specialists develop a practicable fiber optic solution with their innovative products. Please find more information at [www.eks-engel.de](http://www.eks-engel.de). Or give us a call. We would be pleased to receive your request.



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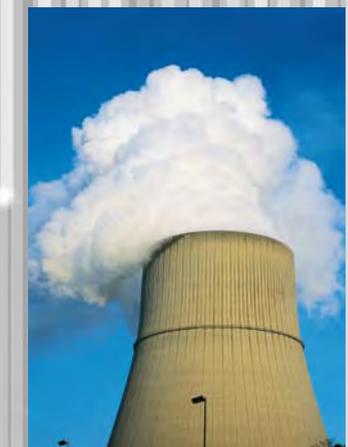
english

# Speed of light

Worldwide, eks fiber optic systems are operating efficiently in a variety of markets and applications.

## Realized projects:

- The Reichstag in Berlin
- Tunnel security
- Security in military areas
- Conference centres
- Drilling platforms
- Power plants
- Sewage plants
- Container vessels
- Watergates
- Energy management
- Automotive industry
- Fire detection
- Access control
- Alarm systems
- Tramways
- Wind power plants
- DDC-systems for heating, ventilation and airconditioning
- Mining
- Chemical industry
- Mechanical engineering
- Railroad applications



## interference proof

- potential separation
- no crosstalk
- electromagnetic compatibility (EMC)
- immunity against radiation
- high security
- protection against data loss in case of lightning stroke



## high-performance

- configuration of any network structures
- plug and play
- high compatibility to different interfaces
- ideal for explosive areas
- customized solutions



## extensive

- high bandwidth
- high speed
- low signal loss
- complex fieldbus networks over long distances



## cost-efficient

- small and lightweight
- quick initiation
- simple project planning
- short times of service
- future-proof investment

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