

...und das Netz läuft.

Communication solutions tailored to
individual requirements



Ullfert von Schassen, Managing Director • James Green, Authorised Officer • Jörg de Haan, Authorised Officer

Dear readers,

Since its founding in 2003, alcera Kommunikationstechnik has dynamically established itself as a respected and dependable service provider for communication solutions throughout Europe. We cover the entire service portfolio in the ITC sector, whereby the individual customer requirement is always the focal point. The high standard of our service, combined with the profound industry expertise that characterises our around 50 employees, enables the continuous success and makes us a competitive partner in communication technology, among others for medium-sized companies, corporations, public institutions as well as hospitals or transportation and industrial companies.

Our reliance on team players is not limited to our employees, as our numerous long-term business relationships are also based on a cooperative and personal partnership. For example, the network operation of large data networks is often performed at the respective location itself. This facilitates a rapid and solution-oriented response to unforeseen challenges.

We consider the flexible construction of new infrastructures as well as the adaptation of existing networks to current requirements as our core competency. This is also our vision of the future: We construct innovative networks for tomorrow...

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Your management of
alcera Kommunikationstechnik GmbH



Versatile communication solutions from a single provider

The communication technology in a company is a sensitive area and requires the greatest of precision. As a result, respect, candour, fairness and trust form the basis of all of our services. Our business segments include all sections of the implementation of telephone systems, data networks and server applications as well as the operation, monitoring and support of networks. In doing so, we operate independently from manufacturers, however, maintain strategic partnerships with notable manufacturers.

An overview of our services:

- Consulting
- Planning and design
- Implementation
- Managed service
- Maintenance service 24/7
- Employee training



- Consulting, Design-, Im-
- Maintenance-, Managed
- Help Desk 24h 365 Tag
- VoIP/CRM Lösungen
- aktive Komponenten (Switche, Router, Dater
- Netzwerk Security und
- Industrial Ethernet
- USV-Einrichtungen
- Wireless LAN
- passive Infrastrukture
- FM-Netze und FM-Ve

The alcera
comprehensive service



Consulting

Our highly trained and certified consultants prepare an analysis of the ACTUAL situation of the LAN and WAN and with this determine the missing infrastructures and components for an optimal application.



Design service

With the preparation of an individual network concept and a detailed project plan, we determine the required infrastructure and coordinate the precise requirements for hardware and software. Here, we place particular value on availability and security.



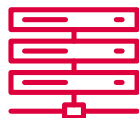
Implementation service

We handle the entire delivery and installation of all necessary components in the scope of larger changes or improvements of a network. Furthermore, we very precisely accompany companies with several locations in the course of IT relocations and complex roll-outs.



Maintenance service

With our 24/7 service desk, we personally support both our national as well as international customers around the clock and in this manner safeguard an exceptionally high availability. Our service-oriented technicians provide troubleshooting via remote support or on-site support. An optimal performance is safeguarded by means of permanent network optimisation



Managed service

alcera makes it possible to outsource the operation and administration of companies and facilities at home and abroad, either in part or in their entirety. For example, we take care of the operation of the data network, server and telephone system including the firewall and all necessary security precautions.

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Highly efficient WLAN and cloud management

Companies can expand their LAN with the use of wireless technologies. This facilitates seamless data access to the employees on the entire business premises. We utilise a WLAN with a high capacity, which uses the latest technology to optimise and protect the bandwidth in all environments. An additional possibility for the simplification of the IT operation is the combination of Wi-Fi hardware with a cloud-based solution. Cloud and radio technology are especially suited in locations in which cabling is difficult and provide entirely new possibilities in warehouse logistics with for example the use of RFID or VoIP.

In addition to the consultation and integration of wireless communication solutions, we also provide support during the implementation of adequate security measures as well as in the event of malfunctions and during maintenance.



We make effortless connections

The selection of the right hardware and software components is essential for the smooth operation of the network system. We assemble the network technology tailored to the respective needs with the suitable routers and switches for your company, to reliably comply with all the technical as well as economical requirements.

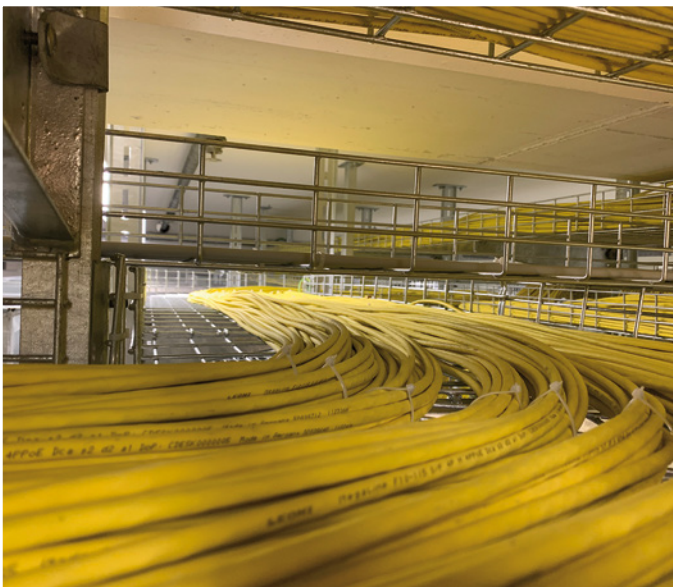
Simplified and secure high performance routing

For our customers, we utilise the powerful next generation routers, which with a high capacity and flexible configuration provide a progressive, secure network.

Flexible foundation by means of switching fabric

The main objective of the network structure lies in improving the flexibility, scalability, performance and high availability of the networks. The limitations of the traditional Ethernet architecture are to be neutralised. The network structure replaces the traditional architecture in data centres and on campus with modern Ethernet structures that can be scaled up. In this manner, new service and security requirements can be implemented quickly.





Industrial Ethernet

The requirements regarding equipment for a stable network in industrial automation and in areas of heavy industry, the mining industry or the transport sector differ from those that are applicable to an office environment. Factors such as dirt, dust, water or low and high temperatures pose particular challenges to companies when faced with the selection of the suitable network components, as these must be able to reliably and in the long term be able to withstand the harsh environments encountered at the respective location.



HIRSCHMANN

A **BELDEN** BRAND

Industrial Internet of Things Seamlessly Integrated Solution for Smart Factories

GREYHOUND

Fast/Gigabit Ethernet switch with extended range of software features, designed for use in harsh industrial environments.

- From entry level types with 16 Fast Ethernet up 28 ports Full Gigabit Layer 3 versions
- Field exchangeable media modules
- Versions with hot swap power supplies
- 2.5 Gigabit uplink and full wire speed Layer 3 options







At alcera Kommunikationstechnik, we support companies that must handle these particular requirements with our long-standing expertise by defining suitable solutions, procuring these and installing them in accordance with the industry standards. With the process and transportation automation, we safeguard high reliability with the use of the suitable hardware. We withstand the high security risks with the installation and configuration of firewalls – thus, the production processes are reliably protected against both deliberate as well as unintentional manipulation.




Unified security for a RECONNECTED world








 NETWORK
SECURITY



 MULTI-FACTOR
AUTHENTICATION



 SECURE
CLOUD WI-FI



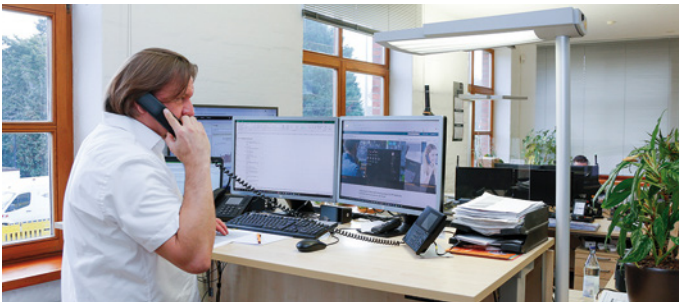
 ENDPOINT
SECURITY

Smart Security. Simply Done.

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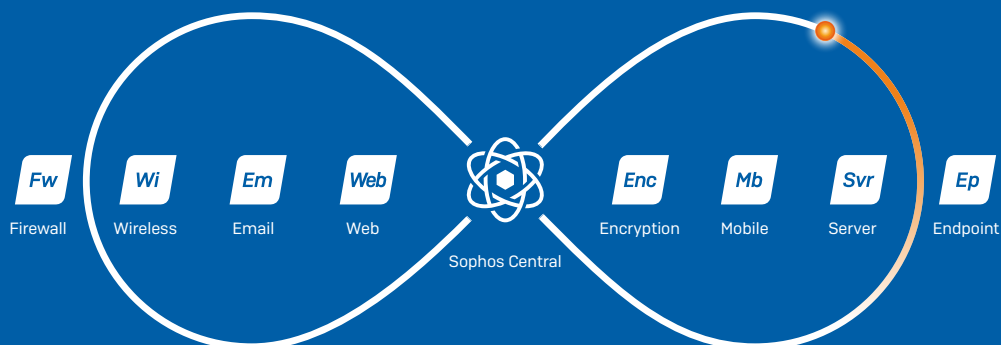
Controlled cybersecurity from the beginning



Criminal hacker attacks, virus transmission, obsolete software, misuse of data or uncontrolled network access: These are only a few of the reasons why security requirements to the network are constantly becoming more stringent. Although companies can to a certain degree now protect themselves with corresponding cyber insurance policies, however, the risk minimisation already starts with the selection of the suitable security technology to prevent a service incident occurring in the first place.

Synchronized Security

Things work better together when they work better together.



The best cybersecurity.
Uniquely integrated. Easy. Effective.



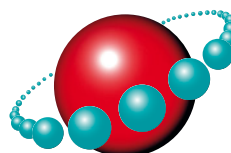
Tailor-made transparency for maximum security

We offer our customers a cloud-based comprehensive solution for the entire cybersecurity environment – tailor-made to the respective needs and requirements of the company. With the implementation of current security systems, protocols, end points, firewalls, intrusion prevention solutions and early warning systems, we safeguard a continuous high security level and ensure that all components are at the current technical standard. It is ensured with additional security measures such as video surveillance or access checks that only authorised employees have access to the security-relevant spaces and buildings.

Secure home for your data



- Secure data center in Hannover
- ISO certified with ISO 27001, ISO 27017, ISO 27018
- Datacenter Services
- Colocation / Housing
- Cloud Services (Compute/Storage)
- Managed Backup Services
- DWDM Services / data center connectivity
- Consulting Services



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Worldwide network and system management

So-called NSM (network and system management tools) are used to safeguard that the company always has all information on its networks and data flows and to make sure that the network is operating smoothly.

As an ITC single-source provider, we define the correct NSM and integrate, operate and accompany this on-site or from a remote location. This enables us to competently monitor the data of our customers worldwide – irrespective whether the system is located in South America, Asia or Europe. As a result, bottlenecks or potential sources of errors are identified early on, before they can negatively affect further processes.

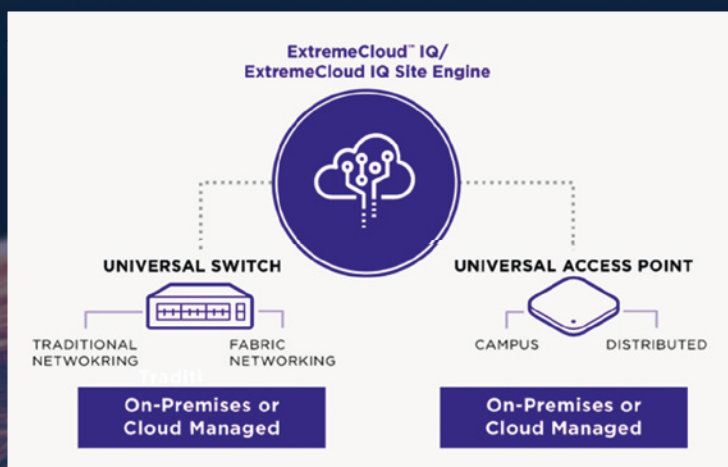
Reliable contact point for corporate data

A powerful, central server forms the basis for a functional and infrastructural network with a high data volume, which many employees can access. We provide solutions tailored to the respective needs of corporate clients, who require reliable systems for their business applications or Internet projects. In doing so, we are aware that every customer is unique and requires individual server systems. As a result, we consult companies on the right server hardware and software, the various server types as well as their functionalities and equip them optimally.



ADVANCE WITH US

Secure, Autonomous Networks
with **Universal Platforms** and
ExtremeCloud IQ



Extreme **Universal Platforms** offer unparalleled flexibility and investment protection as deployment models and use cases can be changed through software. With simple licensing, warranty and support, the **Universal Platforms** simplify your your entire deployment.

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The evolution of communication

On the whole, voice over IP connects two worlds: IT and telecommunication. This synergy effect provides considerable benefits such as flexibility, mobility and reduction of costs. For example, different company locations, virtual workplaces as well as home office workplaces can be easily integrated in a network and employees can be reached under the same contact data irrespective of their location and have access to the same functions.



Corporate solutions for IP telephony tailored to the respective needs

Depending on the areas in which a VoIP solution can be used efficiently, we offer companies – irrespective whether a small company, a medium-sized enterprise or a large corporation – the professional migration from conventional telephony to IP-based communication, tailored precisely to the individual requirement. Here, it is left to each customer whether the entry into VoIP telephony is performed gradually or should be integrated seamlessly in the existing infrastructure and whether the model cloud, rental or purchase is the most suitable.

As a result of our well proven all-round support, topics such as network availability, the correct application as well as the secure transmission of the voice data package is covered reliably.

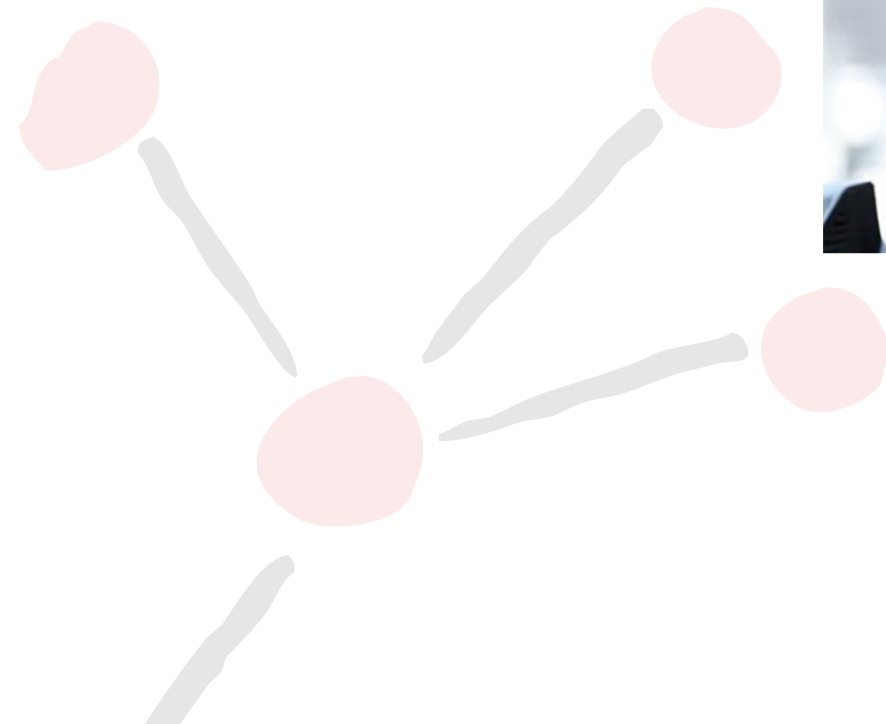


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Global exchange on a personal level

For companies with several national or international locations or global customers and suppliers as well as for companies with a home office culture, the integration of a high-quality video conference system is highly interesting, as this offers an uncomplicated and by now economical communication solution. Due to the high-quality audio-visual transmission, video conferences provide an authentic interaction among the participants.

In the scope of a system integration, we realise both compact solutions for small offices as well as complex applications for large conference rooms or auditoriums – irrespective of the number of participants of the teleconference. Should the requirements change following the system installation, then individual features such as a recording function or a secure Reverse Proxy configuration can be added in a flexible manner.



EPOS

EPOS high end audio solutions

Established upon the former successful joint venture between audio specialist Sennheiser and the world-leading hearing technology group Demant, EPOS designs, manufactures and sells pioneering high-end audio and video solutions for business professionals and serious gamers.

Owned by the Demant Group and with headquarters in Copenhagen, Denmark, EPOS builds on more than 115 years' audio expertise and operates in a global market with offices and partners in more than 60 countries.

Alongside own-branded premium audio and video solutions, EPOS sells co-branded EPOS | SENNHEISER products under a trade license agreement with Sennheiser.



Wireless DECT headsets

If you need to move freely around the office and building, while still being connected, these professional wireless DECT headsets deliver legendary EPOS sound and all-day wearing comfort for increased productivity.



Wireless Bluetooth® headsets

Whether you are working in the office, on the move, or from home, EPOS' professional Bluetooth® headsets provide the perfect blend of high-quality sound, wireless communication freedom and exceptional wearing comfort.



Wired headsets

Ideal for contact centers, offices and Unified Communications professionals, our series of wired headsets offer a choice of wearing styles providing you with all-day comfort, robust design and top-quality sound.



Meeting solutions audio and video

Flexible, plug-and-play Bluetooth® or wired speakerphones for portable use, or more permanent setups. Our meeting solutions also include an intelligent Microsoft Teams Rooms speaker and all-in-one, intuitive video solution with full HD video.

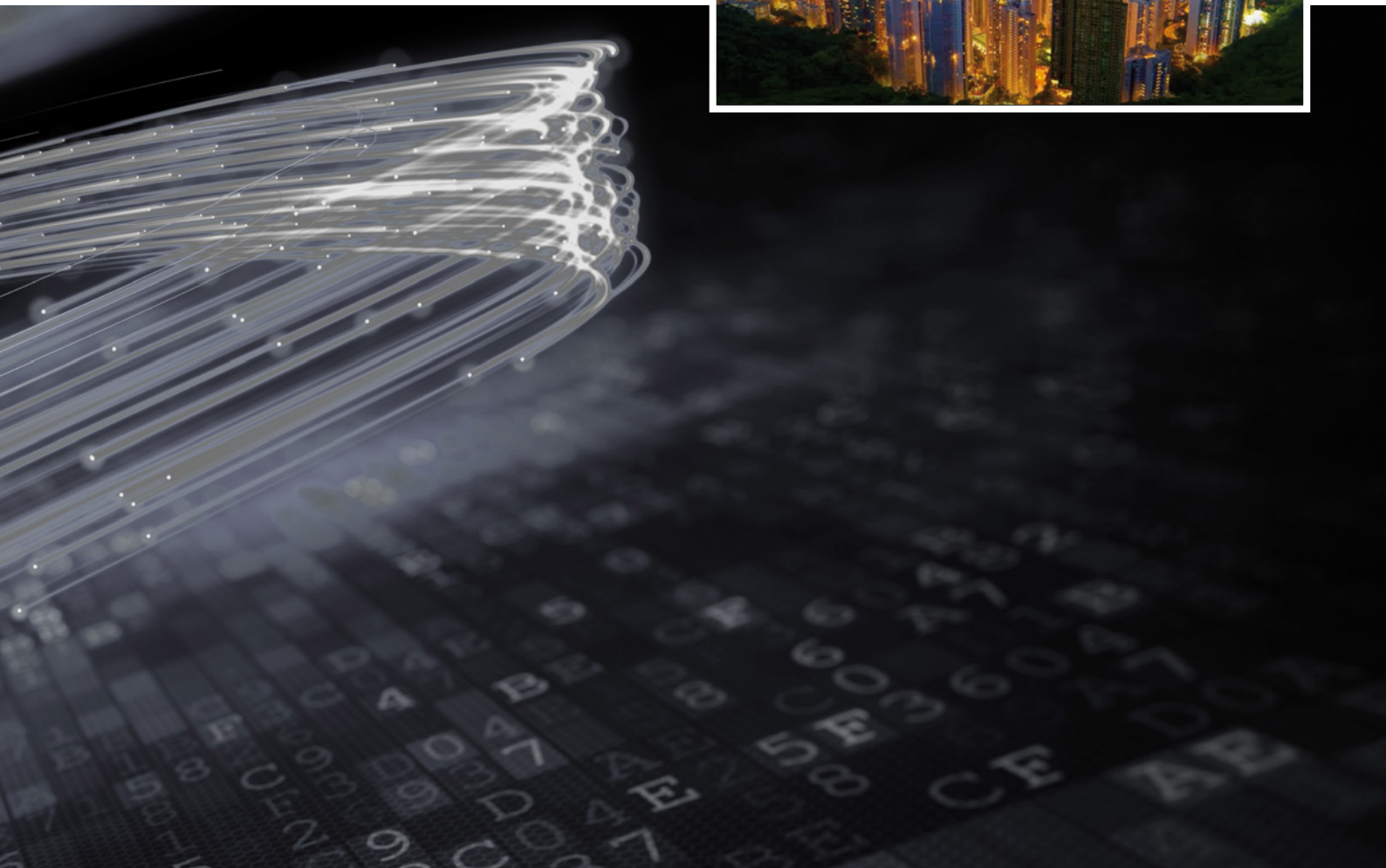
Flexible and customer-oriented solutions on the full spectrum

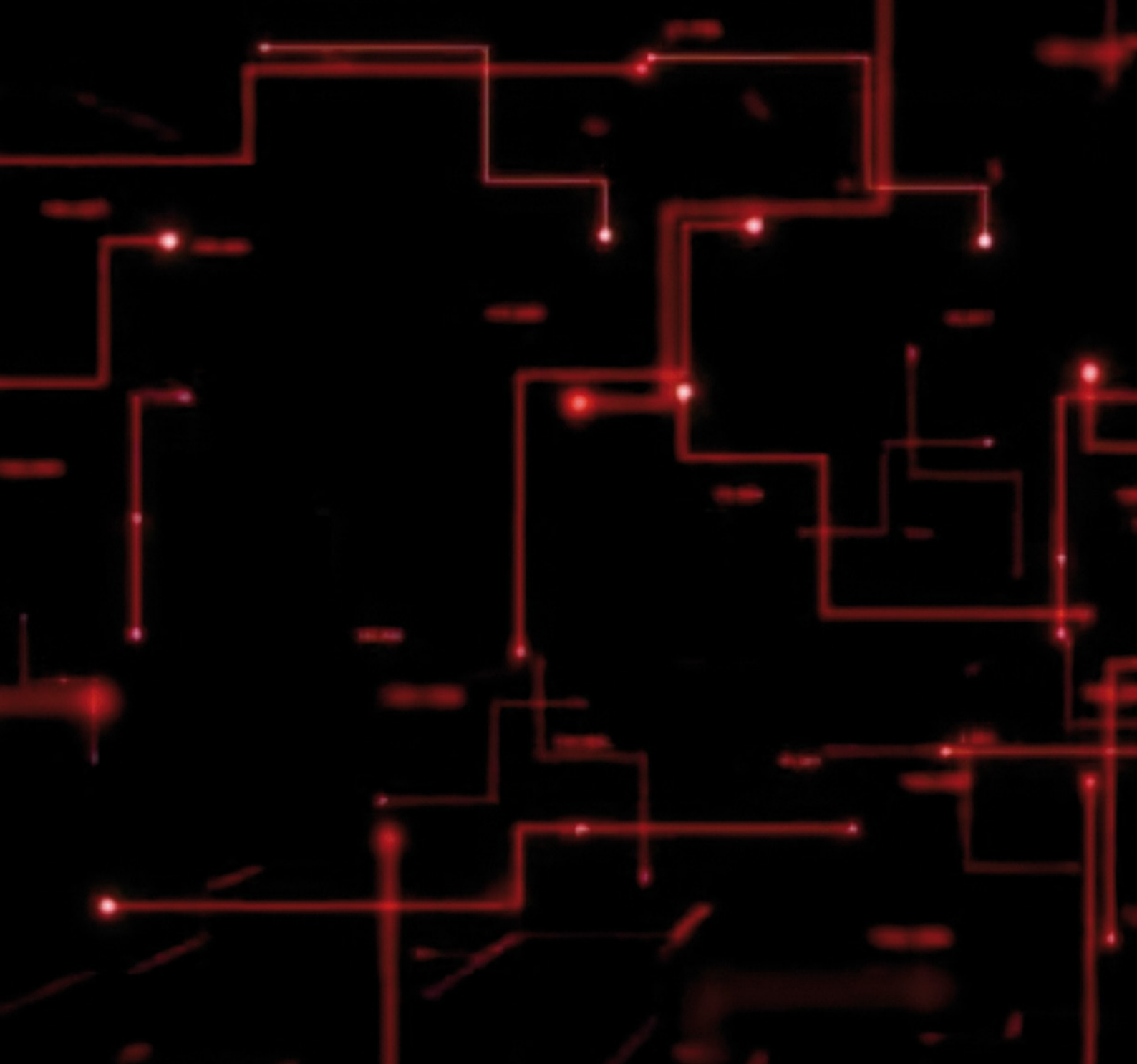
Our experienced project managers create data and telecommunications networks based on suitable cable categories made of copper and glass fibre cables for data, audio, image and video applications. Here, we design the durable cable systems in a flexible manner, so that they can grow with the constant requirements posed to the communication system. Our installation technicians will reliably perform splicing work in accordance with the Telekom standard and will wire each company as requested, irrespective of their particular size. For example, we will equip both smaller companies as well as entire data centres with passive infrastructure.



Uninterruptible power supply in all situations

To prevent unforeseen, however, often unavoidable power failures from having disastrous consequences in a company, a UPS system will protect against data loss and destruction of the hardware. In a crisis situation, the UPS will switch on immediately and in this manner maintain infrastructures, server and storage systems as well as network components. As a result, sensitive production processes can continue to operate without loss or can be shut down in a controlled manner. To ensure that our customers remain networked and productive without limitation, we offer the best power protection and power management solution, ranging from the home office to the data centre up to the industrial environment.





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