CAMPUS NETWORKS – A CUSTOMIZED WIRELESS NETWORK FOR YOUR DIGITAL FUTURE

The next generation of automated production processes is waiting for you!

The future starts now – with the combination of a public and private network. Benefit from high reliability and low latency thanks to a locally enhanced mobile network and network resources reserved just for you. For better performance and even higher productivity.

A digital and automated workflow is the basis for flexible production processes. The key to the automation of your production processes lies in the wireless networking of production facilities by means of expanded mobile communications infrastructure – so-called campus networks. With infrastructure planned specifically for your site, you can achieve extremely high bandwidths, low latencies and improved availability – suitable for diverse applications, as campus networks have versatile uses for industrial sites of all sizes.

Benefit from the application possibilities enabled by the combination of a private and public mobile network. The public mobile network supports, among other things, cooperation with external service providers and suppliers. For the on-site automation of processes, you have a private network at your disposal. Since the private part of the campus network is not publicly accessible, you can benefit from network resources that are exclusive to your location and indispensable for time-

and business-critical processes, as well as for innovative applications of "Industry 4.0":

- **Combination of a public and private mobile network** (public network for voice and data, private network exclusively for critical machine communication)

- **High security** thanks to a licensed spectrum and managed network resources

- **Low latency times** thanks to on-site data processing

- **Service-level agreements** for the private network (availability, data throughput, latency)

- **Various applications** through the combination of different frequencies, also possible with existing systems

A NETWORK JUST FOR YOU – PRIVATE, SECURE, FOR EVEN MORE POSSIBILITIES

The Industry of Things has long been a reality. Thanks to autonomous transport systems and the integration of end-to-end solutions, manufacturing and processing industries are becoming more and more flexible and efficient. Production lines can be connected in real time, several products can be made on a single production line and entire production lines can be reconfigured effortlessly. Whether you are in the environmental, energy, automotive or medical technology sector, our campus networks can ensure the smooth functioning of your machine communication and the expansion of your production standards.

INCREASE RELIABILITY, SPEED AND SECURITY

Reliable connectivity is the prerequisite for smooth, automated production. We ensure the prioritisation of your data traffic, constant availability and reduced downtime. By guaranteeing network resources in our campus networks, the process of automating your production is not only faster, but also more reliable and secure.

You get a customized campus solution with exactly the frequency you need – faster than LTE, more reliable than Wifi, and more secure thanks to the combination of a public and private network.

MORE POSSIBILITIES

By utilizing the public network, you can more tightly integrate partners and service providers into your processes. For example, certain remote maintenance tasks can be carried out conveniently and efficiently via the public network. Thanks to continuous real-time analysis of your production and machine data, irregularities can be recognized and fixed before outages occur.

Critical machine communication happens in the private network. Office, voice and other forms of data communication, on the other hand, happen over the public network.

EVERYTHING YOU NEED

The combination of a public and private network offers unique advantages for countless applications and scenarios. Campus networks increase security, help to reduce costs and increase your productivity.

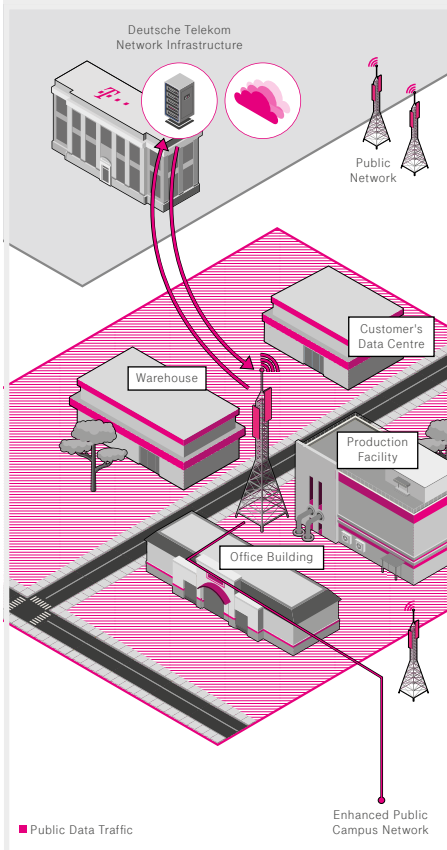At Telekom, you can obtain the complete solution from a single source.

We support you right from the planning stage and make sure that everything runs smoothly in later operations as well. There is a one-time fee for the infrastructure deployment. For the operation of the private network we charge a monthly package fee, which includes individualservice-level agreements and unlimited traffic.

THE RIGHT SOLUTION – FOR EVERY REQUIREMENT

We tailor the campus network to your needs. Pricing is based on individual campus size, capacity requirements and service times. We would be glad to advise you on the following three basic product options:
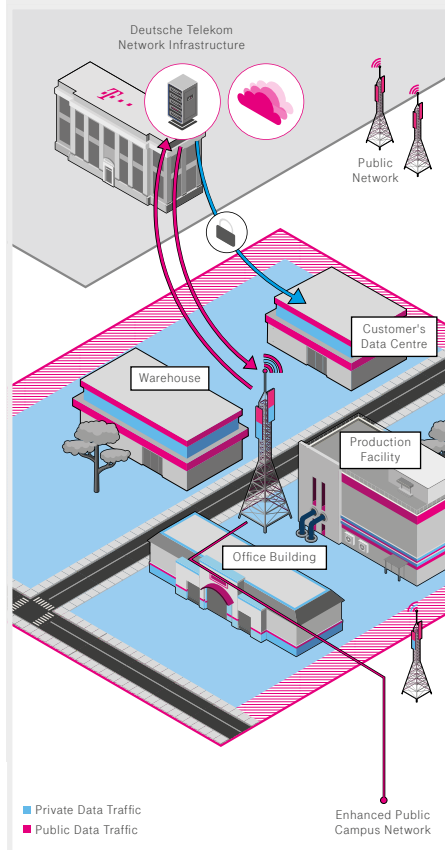
CAMPUS NETWORK S

- Improved public mobile communications coverage thanks to additional infrastructure across the campus, both inside and out
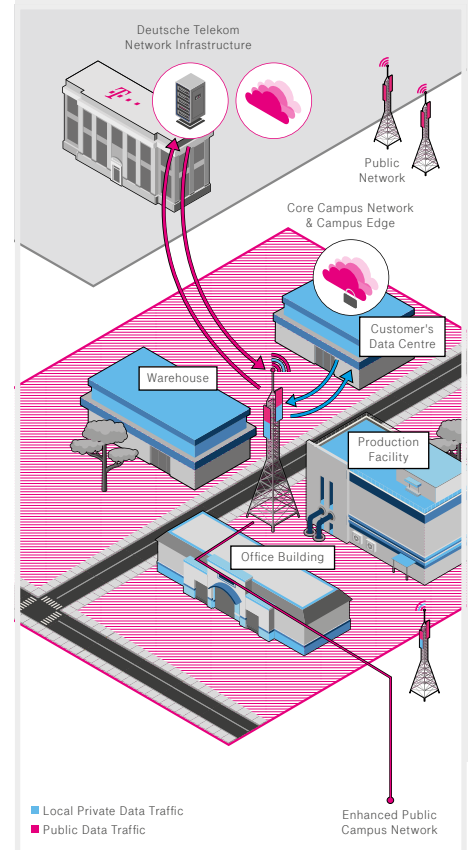

Deutsche Telekom Network Infrastructure

Public Network

Customer's Data Centre

Warehouse

Production Facility

Office Building

■ Public Data Traffic

Enhanced Public Campus Network

CAMPUS NETWORK M

- Improved public mobile communications coverage - indoors and outdoors - thanks to additional infrastructure across the campus

- VPN connection over the public network

- Shared resources for the public and private mobile network

- Quality of service: prioritization of data traffic in the private network, availability, downtimes

Deutsche Telekom Network Infrastructure

Public Network

Customer's Data Centre

Warehouse

Production Facility

Office Building

■ Private Data Traffic
■ Public Data Traffic

Enhanced Public Campus Network

CAMPUS NETWORK L

- Improved public mobile communications coverage - indoors and outdoors - thanks to additional infrastructure across the campus

- Secured resources for your private mobile campus network

- Exclusive, local mobile core network

- Direct connection to local data centre: data processing on site

- Quality of service: data throughput, latency, availability, downtimes

- Can be combined with local campus edge cloud and mobile edge cloud

Deutsche Telekom Network Infrastructure

Public Network

Core Campus Network & Campus Edge

Customer's Data Centre

Warehouse

Production Facility

Office Building

■ Local Private Data Traffic
■ Public Data Traffic

Enhanced Public Campus Network

CONTACT INFORMATION

Automate your production with Deutsche Telekom as your reliable service partner.
We're here to help bring you into the digital future!
For more information, visit www.t-systems.com/5GCN

If you have any further questions, please contact your Account Manager.