Premium Internet Underlay from Deutsche Telekom

Improved application performance and secure connectivity

What's the best way to establish high-performance connections between company sites and the cloud anywhere in the world? With the right underlay solution. Our Premium Internet Underlay is a cloud-agnostic, fully managed end-to-end internet service with SLAs (service level agreements), which makes it unique in the market.

The details

This premium service from Deutsche Telekom consists of CPE (customer premise equipment), internet access, and backbone. Premium Internet Underlay is a comprehensive solution for networking company sites and connecting them to the cloud. No matter where your sites are located.

In contrast to regular internet access, it provides not only conventional service SLAs but also performance SLAs, for instance for packet loss, round trip delay, and jitter.

By using artificial intelligence, we can boost network performance considerably. Our machine learning algorithm ensures that data always takes the optimal path through our dedicated hybrid multicloud backbone.

Premium Internet Underlay by Deutsche Telekom also frees up significant capacities within your IT team. This fully managed service from Deutsche Telekom with a 24/7 support desk in addition to service and performance SLAs makes operating a stable company network a lot less work. Our service portal offers complete visibility across your network and all its locations.

As an additional benefit for international companies, the solution is fully compliant with regulations world-wide, including China.

Your benefits

Top service
Fully managed, including SLAs, 24/7 support desk, service portal with monitoring, and reporting features

Improved performance
Excellent performance — AI makes site-to-site and site-to-cloud performance issues history

Compatibility
Compatible with any overlay solution thanks to dedicated CPE — universal CPE coming soon

Security
Can be combined with SASE solutions such as Zscaler and Fortinet
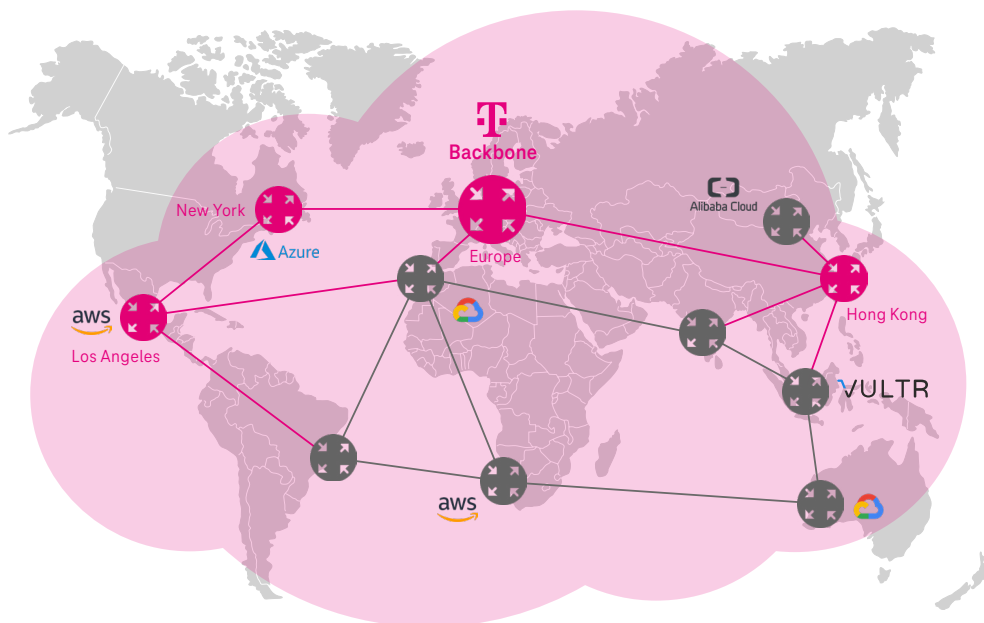
Cloud connection
Integration of SaaS applications (site-to-public / private Cloud)

Satisfied users
Optimized application performance enhances usability

The Telekom Global Hybrid Network: the foundation for your network

Single-source global infrastructure

Premium Internet Underlay is built on dedicated Deutsche Telekom IP infrastructure, our directly interconnected premium partners, and our extended virtual backbone of global cloud-agnostic connectivity partners. It provides over 500 PoPs around the world and uses the infrastructure of more than 25 cloud vendors. Direct internet access (DIA) takes care of the last mile. For hardware, we offer customer premise equipment (CPE) as part of this premium service. A universal CPE that will make it possible to virtualize several network functions on a single device is under development. Our Premium Internet Underlay makes high-performance internet access available anywhere in the world.

Company network flat rate

We offer Premium Internet Underlay as a flat rate. The price is calculated based on your access bandwidth and requirements for premium bandwidth. We're happy to provide more information and a quotation that fits your business needs.

PIU in practice

Premium Internet Underlay for a machinery manufacturer

Our customer
One of the world's leading manufacturers of machinery with over 130 locations across the world.

The project
Compliance problems had been interfering with the flow of data to and from the customer's Chinese locations. Premium Internet Underlay resolved the performance problems and enhanced the stability of the company network. Data from China is now routed through private clouds run by licensed providers as well as TC-licensed international carriers. This way, all the company's locations can connect through a global SD-WAN that is orchestrated outside of China. All company locations benefit from the performance SLAs for latency and packet loss, allowing them to communicate seamlessly with one another.

The Deutsche Telekom Global Business portfolio

We are your partner of choice for design, implementation, and operation of secure SD-WAN solutions perfectly tailored to the needs of your business.

Zero-risk migration
We leverage tried-and-trusted industry-leading migration methodologies and operational principles — with a Zero Outage track record.

End-to-end service
We provide a single, accountable point of contact, offering personal, end-to-end service.

Multiple deployment options
Our SD-WAN services can be used as complete network solutions including our internet access service or MPLS network.
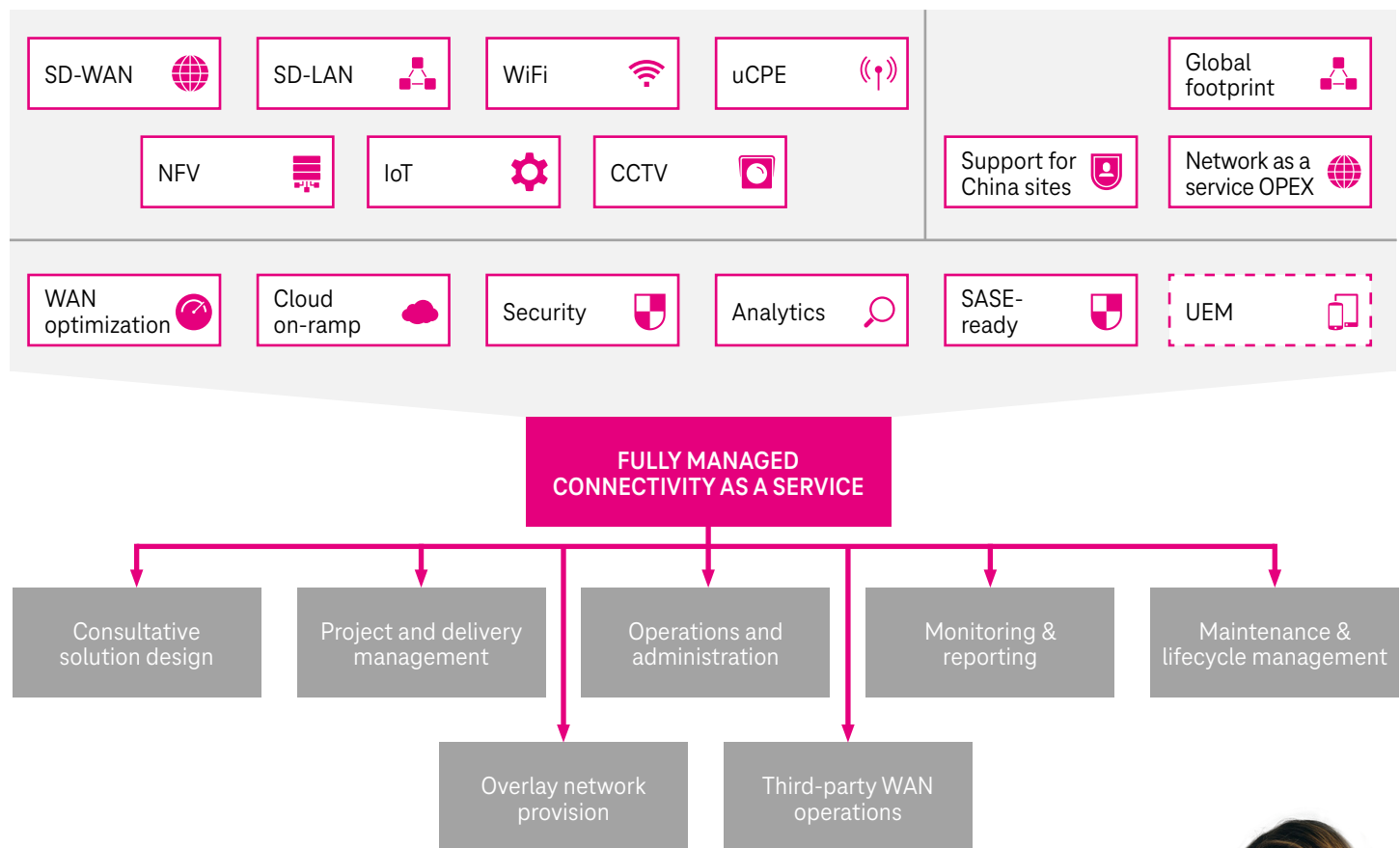
Consultancy approach
We help you build an SD-WAN solution that is a perfect match for your company's DNA by analyzing current and future business needs.

Benefit from our vast experience

Whether it's the underlay network, endpoints, geographic reach, security, or analytics — there are many aspects to consider during the planning for and migration to a business-centric SD-WAN solution. When you choose Deutsche Telekom Global Business, you get the expertise this level of complexity demands. Profit from the vast experience we've accumulated over the years by successfully providing more than 500 customers with fully managed connectivity.

SD-WAN	SD-LAN	WiFi	uCPE		Global footprint
NFV	IoT	CCTV		Support for China sites	Network as a service OPEX

WAN optimization	Cloud on-ramp	Security	Analytics	SASE-ready	UEM

FULLY MANAGED CONNECTIVITY AS A SERVICE

Consultative solution design	Project and delivery management	Operations and administration	Monitoring & reporting	Maintenance & lifecycle management

Overlay network provision	Third-party WAN operations