



Milence

Reliable network connectivity: The key to expanding a European charging network



Deutsche Telekom provides the secure and resilient digital foundation that enables us to scale with confidence as we accelerate the transition to sustainable road transport.

Thomas van der Wardt, Domain Lead Digital Infrastructure, Milence

Milence is expanding its Europe-wide charging network for heavy-duty electric vehicles. To do this, the company needs a secure, highly available, and standardized digital infrastructure that reliably connects charging stations, operational systems, payment services, security solutions, and other critical on-site technologies.

Many Milence charging stations are operated unattended. Reliable network connectivity is therefore crucial for operating chargers, payment services, and other on-site systems. As the charging network expands across Europe, requirements for availability, security, and scalability of the digital infrastructure also increase.

Telekom and Milence

Challenge: To support its Europe-wide expansion, Milence requires a highly reliable and secure digital infrastructure connecting charging stations, operational systems, payment services and other critical technologies. Many charging locations operate unattended, making reliable connectivity essential.

Solution: Together with Fortinet, Telekom delivers a fully managed networking solution combining SD-WAN, LAN, Wi-Fi and secure public cloud connectivity. Multiple connectivity options, including fiber, LTE/5G and LEO satellite connectivity where required, provide resilient connectivity with built-in redundancy.

Customer benefit: The standardized solution enables Milence to connect new charging locations efficiently. Reliable connectivity keeps critical services, including charging systems, payment terminals and remote monitoring, available. The scalable platform provides a digital foundation for continued expansion across Europe.



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The role of Milence in the transformation of road transport

Milence is building Europe's largest public charging network for heavy-duty electric vehicles, helping accelerate the transition to sustainable road transport. As the network expands across Europe, reliable and secure digital infrastructure is essential for connecting charging stations, operational systems, payment services and other critical on-site technologies.

Many charging locations operate unattended and rely on reliable network connectivity to ensure a seamless charging experience. Any interruption could affect charging availability, operational visibility or customer service. A secure, resilient and standardized connectivity solution is therefore essential to support reliable operations and Milence's continued expansion across Europe.

Why Deutsche Telekom as an implementation partner?

For its Europe-wide expansion, Milence was looking for a partner that could provide secure and scalable connectivity with coverage across Europe and connect new locations in a standardized manner. Together with Fortinet, Deutsche Telekom provides a fully managed networking solution for connecting charging stations with cloud-based operational systems, payment platforms, security services, and IoT devices. The solution is designed for high availability and supports the rapid expansion of the charging network.

Technical solution and methods used

The technical foundation is a secure, scalable networking platform combining SD-WAN connectivity, integrated LAN, Wi-Fi and secure public cloud connectivity. Multiple connectivity options—including fiber, LTE/5G and low Earth orbit (LEO) satellite connectivity where required—combined with built-in redundancy, provide resilient connectivity and help ensure uninterrupted charging services. Centralized network management enables consistent monitoring and efficient operation of charging sites across Europe.

Added value for Milence

The standardized connectivity platform creates a reliable foundation for the operation and expansion of the charging network across Europe. Critical systems remain securely connected, and new locations can be integrated quickly and uniformly. Redundant connections and centralized network management support high availability and efficient operation.

- High availability through redundant connectivity
- Centralized administration and reliable remote monitoring
- Fast and standardized connection of new locations
- Site availability SLA of 99.5% and above

Outlook: Sustainable growth through digital infrastructure

The standardized and scalable connectivity platform forms the digital foundation for further expansion of the Milence charging network. New sites can be integrated efficiently and with uniform requirements for security, availability, and network operation. In this way, Telekom supports the further expansion of Milence along important European freight corridors.

CUSTOMER PROFILE

Name Milence



Founded 2022

Headquarters Amsterdam, Netherlands

Industry Charging Infrastructure / E-Mobility / Logistics

Employees Approximately 150 employees

Branches/Subsidiaries Charging network: 38 charging hubs across nine European countries

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