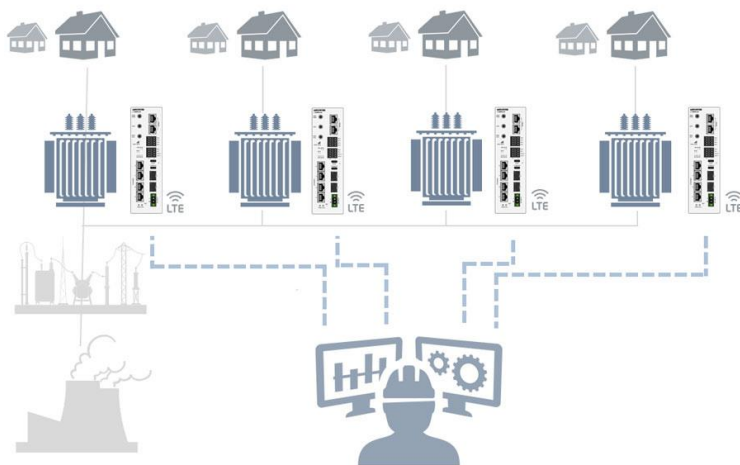# WESTERMO

Networking solutions for smart grid communications

Consumers require a continuous, reliable supply of electricity, and the need to monitor an increasingly complex grid is growing. With electricity companies having perhaps more than 100,000 secondary substations to manage from a single control centre, maintenance is usually reactive, making it harder to maintain the quality of energy supply. Considering the high number of devices to be installed, ease of configuration and maintenance is essential to ensure these projects are viable.

Secondary substations can be spread over large geographical areas, without any supervision, but all connections must be secure against cyberattacks.

Our solution

Westermo uses cellular communication to enable customers to reach secondary substations from their control centres, having the most robust and reliable cellular routers on the market. Reliable remote access can help you to reduce the number of minutes of lost supply and the number of customer interruptions. The Merlin industrial cellular routers and Lynx switches offer the highest mean time between failures (MTBF) on the market, and its dual-SIM feature provides a redundant connection to control centres.

Coupled with the Zero Touch deployment software Activator, it provides cost-effective, reliable, and consistent onboarding of routers in large-scale projects. To achieve best-in-class cybersecurity, the Merlin series is equipped with features such as Secure Boot, Trusted Platform Module, IPSec encryption and stateful firewall.

Key benefits

- Connect secondary substations with control centres using robust cellular communication
- Merlin industrial cellular routers feature dual SIM to offer a redundant connection to control centres
- Activator offers easy router installation and automated deployment
- Protect against attacks with features such as VPN and firewall

Recommended products

Cellular Routers for Smart Grid Applications

Compact and robust wireless cellular routers for secondary substation connectivity.

Managed Industrial Layer 3 Switches

Westermo's industrial managed layer 3 Ethernet switches are rugged industrial switches, routers and firewall in one box.