CONNECTING UTILITY FLEETS

4G LTE NETWORKING SOLUTIONS FOR ENERGY AND UTILITIES.

Responsible for providing power and water to homes and businesses alike, energy and utility companies need to consistently improve the efficiency and effectiveness of their mobile operations and assets. As part of this, extending the enterprise network to the road has become a necessity. Connecting fleet vehicles demands flexible but powerful connectivity, for which 4G LTE provides the answer.

In-vehicle networking for utility and energy fleets

Extending the enterprise network to the road is essential for utility companies today, and in-vehicle networking using 4G LTE is the best way to enable this. Providing access to centralised systems on the road helps to streamline workflows and improve customer service by giving field teams ready access to the applications and information they need – while also keeping head office up-to-date with the latest field data.

Solving connectivity issues

While many companies are already attempting to leverage the power of 4G LTE using mobile devices with internal modems, many experience connectivity issues due to signal loss in certain areas. This can be highly frustrating for field teams and can also impact on productivity.

By employing an enterprise-grade 4G LTE gateway/router and antenna solution though, these issues are easily solved – improving signal gain and quality to deliver a true superfast experience in nearly any location. A powerful WiFi hotspot is created in and around the vehicle, enabling users to connect all of their mobile devices. It is also possible to create multiple hotspots to provide guest as well as corporate access, while still keeping company data safe – perfect for when working on site with contractors.

Making the most of in-vehicle connectivity

By using an enterprise-grade gateway or router, companies can also extend their in-vehicle networking capabilities to other applications besides creating WiFi hotspots.

Unifying fleet communications

In addition to providing connectivity for field teams to access and update central systems, the same networking solution can be used to unify other communications in the vehicle.

For example telematics solutions can transmit data back to central reporting systems for real-time tracking, digital displays on the outside of the vehicle can have content updated remotely, and asset tracking systems can verify the vehicle's contents while on the move. Unifying all connectivity requirements with a single enterprise router or gateway solution simplifies communications management and can reduce the associated costs.

4G LTE in-vehicle networking can enable utility and energy companies to streamline workflows, improve operational efficiencies, increase productivity and ultimately deliver better customer service.