

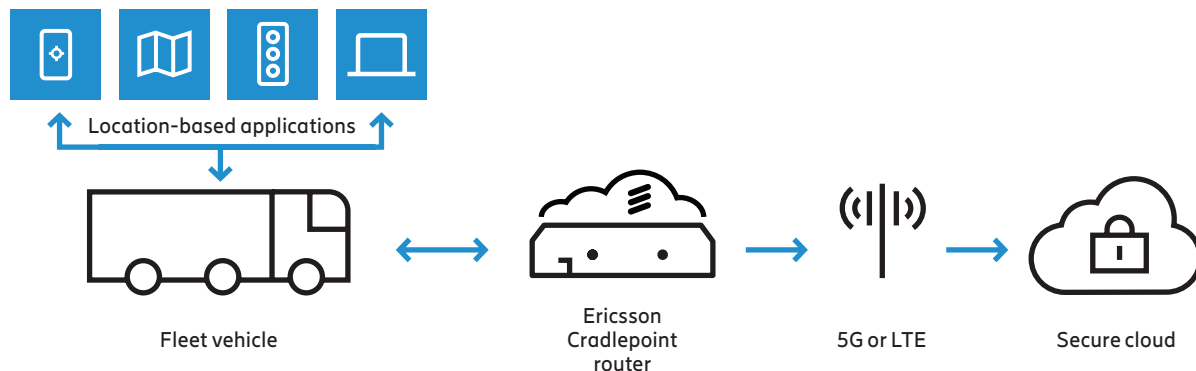
Cellular for location-based applications in vehicles

Challenge

Many vehicle fleets take advantage of advanced technologies and applications to increase efficiency and safety. These applications — including AVL systems, rider apps, and computer-aided dispatch — hinge on the uninterrupted flow of GNSS data from the field to the cloud. Any downtime could jeopardize the accuracy of location data, impacting operations and services.

Solution

Use a comprehensive solution — including Ericsson Cradlepoint vehicle routers with zero trust networking capabilities — to seamlessly connect GNSS-dependent applications. Ericsson NetCloud Manager makes it easy to monitor the real-time location of all fleet vehicles through a unified, single-pane-of-glass platform.



Key factors when choosing a 5G/LTE solution for location-based applications

Constant uptime for data reliability

Using enterprise-grade routers for vehicles — especially dual-modem routers supporting multi-carrier failover and GNSS — ensures consistent 5G and LTE connectivity to maintain the accuracy of location-based data for fleets, even in unavoidable dead zones such as tunnels. NetCloud's dead reckoning feature can calculate the route of a vehicle during a dead period by utilizing the previously determined position, speed, and direction traveling until cellular connectivity and/or the GNSS signal is restored.

Vehicle fleet management from anywhere

Ericsson NetCloud Manager enables businesses and agencies to monitor 5G and LTE connectivity and data security for an entire vehicle fleet through helpful dashboards, and to adjust configurations on any wireless cellular router in the field with the ease of point-and-click functionality. IT teams can centrally monitor and manage instead of taking vehicles off the road.

Zero trust security for data protection

Solutions with zero trust security capabilities safeguard sensitive vehicle data by securing connected devices and eliminating default access, giving users and devices access only to the resources they need to do their jobs. These solutions — managed through NetCloud — include secure access to the internet and private and SaaS applications to protect against malicious actors and lateral movement during breaches.

Learn more at cradlepoint.com