

FLEET CONNECTIVITY CHALLENGES BY VERTICAL



TRUCKING

Fleets consist of semi-trucks used for either long-haul or short-haul journeys.



LONG-HAUL TRUCKING FLEETS travel for long periods without predetermined routes.



CONNECTIVITY NEED

Given the length and complexity of their routes, these fleets rely on cross-country and international connectivity to send vehicle performance data to remote teams.



SHORT-HAUL TRUCKING FLEETS typically travel regionally.



CONNECTIVITY NEED

Though the routes are shorter, these fleet also require resilient connectivity to improve vehicle and driver productivity.



HEAVY INDUSTRIES

Fleets include vehicles in mining, oil & gas, and heavy construction.



CONNECTIVITY NEED:

These fleets depend on remote diagnostics and asset tracking to monitor the performance and location of expensive equipment, driving demand for resilient connectivity, particularly in remote areas.



NON-TRUCKING

Fleets primarily include smaller commercial and public vehicles like fleets for local delivery, utilities and services, municipalities and governments, and emergency services.



LOCAL DELIVERY FLEETS provide services within a residential or municipal region.



CONNECTIVITY NEED

These fleets require consistent connectivity to provide real-time updates on package location and delivery times to customers.



UTILITY AND SERVICE FLEETS provide telephone, cable, and utility services in local communities.



CONNECTIVITY NEED

These fleets must often immediately send a vehicle and create an efficient route once an order is received, requiring quick and reliable communications and connectivity from the road.



MUNICIPAL AND GOVERNMENT FLEETS are dispatched to accomplish a range of government business.



CONNECTIVITY NEED

Government fleets must comply with strict safety regulations, increasing the adoption of video-based driver safety use cases that require more advanced connectivity.



EMERGENCY SERVICES FLEETS include ambulances, police cars, and fire trucks.



CONNECTIVITY NEED

These fleets must have accurate navigation and routing, even in rural areas, driving demand for hyper-available networks like satellite.



SHARED MOBILITY MARKETS feature ride-share vehicles and micro-mobility devices like rental e-bikes and e-scooters.



CONNECTIVITY NEED

Micro-mobility devices require high uptime, as customers expect to pay through a mobile app and gain immediate access to a bike or scooter. Ride-share companies like Lyft similarly depend on reliable mobile connectivity to complete customer transactions.