

Limited connectivity in remote areas and roaming between multiple carrier coverage areas



Tracking exact location of moving vehicles is difficult



Assets are geographically dispersed over large coverage areas



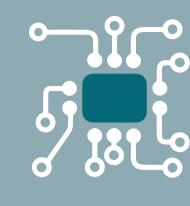
Operating costs are high and driver safety is imperative





resulted in a new generation of fleet tracking solutions, capable of not just remotely tracking a fleet, but also sensing the environment that it is in.

Advances in IoT and sensor technology have



BENEFITS OF FLEET TRACKING

Five key takeaways:



Reduced costs



Improved driver behavior



life cycle management



business operations

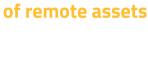


can now track the location of their fleet and driver behavior virtually anywhere in the world.

These technological advances mean that companies









Personal Vehicles









Manual vehicle tracking involves dispatching, calling or texting

drivers, whereas automated vehicle tracking uses satellite or

FLEET TRACKING - MANUAL VS AUTOMATED

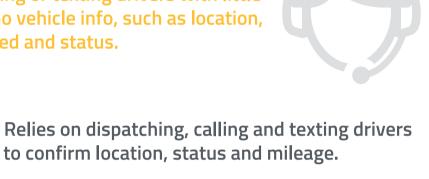


cellular connectivity to remotely monitor a vehicle's location, speed and status.

Calling or texting drivers with little to no vehicle info, such as location,

MANUAL

speed and status.



- Requires behavioral training and financial incentives to reduce fuel spend, speeding and idling.
- Dependent on logs, delivery reports and customer feedback to verify on-time/late arrivals.
- Requires open lines of communication and/or elimination of take-home vehicle policy.

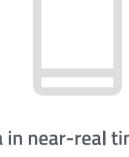
vehicle location, speed and status.

AUTOMATED

Provides 24/7/365 vehicle data in near-real time.

Uses satellite and cellular network

coverage to remotely monitor



- Reduces wasteful fuel costs and excessive idling with start, stop, speed and idling reports.
 - Improves service delivery by reviewing vehicle journeys and optimizing driver routes.
 - of certain geographic areas.
- FLEET TRACKING BUILD VS BUY

How quickly do you need to deploy the solution?

market-ready solution. Answering these questions can help define which solution is right for you.

What type of geographic coverage do you need?

Does your solution need to be customised or have additional sensors? Will you need to track in remote or low-coverage areas?

Do you have the in-house resources to build you own solution?

- **Good option if:** Need short time to market Lack of in-house development resources
- Pre-packaged solution:

Cloud-based application

- Satellite solution if cellular not available AirVantage® IoT platform

Devices

Smart devices pre-configured

with IoT technology are

attached to fleets.

Have time to develop a solution Require customisation or sensors



IoT modules and gateways AirVantage® IoT platform (🗸

Ready-to-Connect solution

Smart Connectivity

Application

Cloud applications provide

software and mobile apps to

visualize vehicle location.

THE SOLUTION

Network

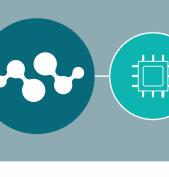
Network coverage that provides

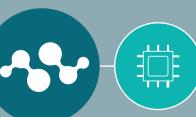
device-to-cloud connectivity connects

the device to the application.



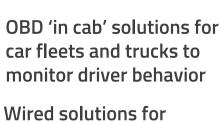






Deploy Quickly, Efficiently and with Low Up-Front Capital Costs with a MANAGED SERVICE Wireless, battery-powered





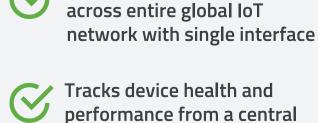


Satellite solutions for remote tracking where cellular is not available like disaster relief or transmodal shipping

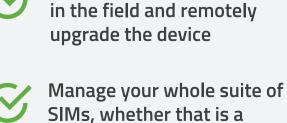
Manage Your Fleet Tracking Deployment Through a Single Point of Management

Monitor and control devices





dashboard



third-party MNO

Track operational behavior

Semtech SIM or a SIM from a





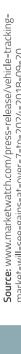






















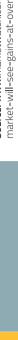






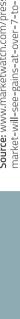


















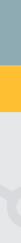




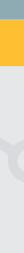


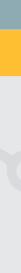


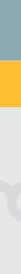


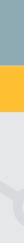










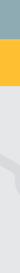


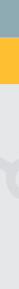






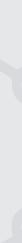


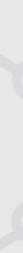


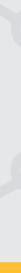




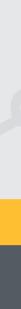




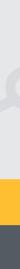






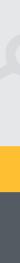


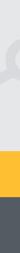


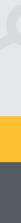


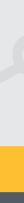






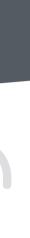




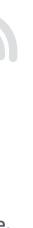








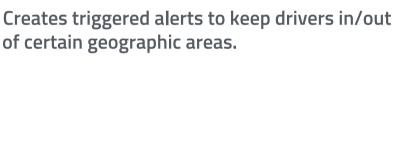


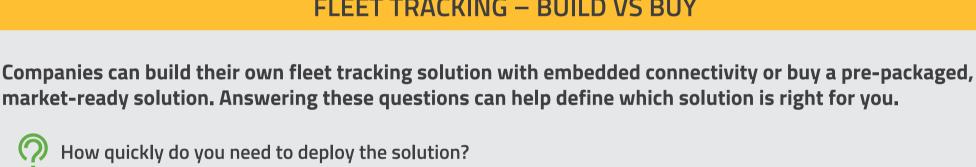


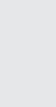


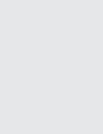












BUILD

Good option if:







