

TELEMATICS VS TRACKING EXPLAINED

TELEMATICS

Defined as an onboard communication system and applications that talk to each other via the mechanisms of GPS receivers and other telematics devices. These applications form a **telematics system**.

VEHICLE TRACKING

Refers to the monitoring of the location of a truck, car, or any moving vehicle using the GPS system.

The key difference: You can install a vehicle tracking device on its own, but if you install a vehicle telematics system your tracking will become part of the 'telematics system'.

Note: You can customise your fleet telematics system to suit your fleet needs. It all depends on which data you need to keep track of to optimise your fleet operations.

TELEMATIC DEVICES

Including tracking units, are made up of several essential parts:



GPS RECEIVER
Gets location information from the GPS satellite.



ENGINE INTERFACE
Transforms and routes messages from the GPS.



SIM CARD
Broadcasts GPS data to the main server via the mobile network.



BATTERY VOLTAGE SENSOR
Detects unit tampering.



ACCELEROMETER
Senses and records driving style and crash impact data.

EXAMPLES OF TELEMATICS OPTIONS

TRACKING FUEL COSTS

This feature can help you identify misuse of fuel cards, calculate driver and vehicle efficiency, and reduce paperwork with automated reports.



REMOTE VEHICLE CONTROL

This feature allows you to limit a vehicle's speed, or set speed limits for specific areas or routes. Can also avoid excessive idling via remote engine cut-off.



GEOFENCING

This feature restricts the area in which a vehicle can operate (such as construction sites). If a vehicle is driven out of the area the fleet manager can remotely cut the engine.



BIOMETRIC DRIVER IDENTIFICATION

This is the most secure way to ensure only approved drivers operate vehicles in your fleet.



LIVE TRACKING

The ability to live track vehicles has wide-ranging benefits from driver safety to quick rerouting due to traffic.



IMPACT ALERT

Fleet managers will get an instant alert should a vehicle be involved in an impact.



ENGINE DATA

Get real-time information on engine health, or set the system to send regular updates to ensure your vehicles are all running as they should.

