

SKYNET

Satellite Communications



COMPLETE
FLEET
SOLUTIONS



**ANALYTICS &
REPORTING**



**MAINTENANCE &
SERVICING**



**NAVIGATION &
COMMUNICATION**



**HARDWARE
OPTIONS**



**SAFETY &
COMPLIANCE**



**GPS LOCATION &
ASSET TRACKING**

NET
Fleet



SOLUTION SUMMARY

SKYNET REACH® FLEET APPLICATION

Journey Management

Upload Route Plans to Drivers Over-the-Air

Maintenance Planner and Scheduling

Workshop View

Maintenance Notifications

Depot Manager

Geofences & Points-of-Interest

Plotting

Reporting & Exceptions

Alert Notifications

Fully Managed Monitoring Services

For Driver & Vehicle

Enterprise Alarm Console

Exception Reporting and Predictive Analytics

Passive Accident Alerting

Stop & Idle Reports

Peak Speeds

Accelerometer Reporting

Location-Based Reports

Standard Reporting & Alerting

Vehicle Activity

Driver Activity

Tracking History

Whole-of-Fleet Display

Fleet Summary

Real-Time Monitoring

Custom GIS Mapping Overlays

Trip Replay

Route Planning Manager

Google Maps Integration

Traffic Overlay

Fuel Management

Fuel Costs

Depot & Driver Management Console

Instant Messaging

Broadcast Alerts

1-to-1 Communication

User & Group Policies

Administrator & User Group Permissions

Device & Vehicle Groups

Web-Based Application

Aggressive Driving



HARDWARE OPTIONS

SAFETY & COMPLIANCE

Remote Passive Alerting (RPA)
Predictive Accident Detection

Whip-Around Software

Vehicle Checklist Dashboard & App

24-hour Tier-1 Professional
Monitoring

For Safety & Security

DRIVER & JOURNEY MANAGEMENT

Driver Behaviour

Aggressive Driving

Harsh Braking + Acceleration

Speeding Events

Seatbelt Warnings

Driver Activity

Driving Times

Breaks

Check-Ins

Stops

Electronic Logbook

Hours-of-Service

KM's Travelled

Driver Fatigue

In-Cab monitoring

Journey Management

Garmin Android Touchscreen

Navigation with Maps & Traffic

Custom Android Applications

On-Board Cameras

2-Way Communication

Bluetooth Handsfree Calling

Crash Detection

Driver Logon & Authentication

ORBCOMM IDP-780 Hybrid Terminal

Hybrid GPS / GSM / Satellite Tracking

Least-Cost Routing

On-Board Analytical Agents

100% Landmass Coverage

Digital Input / Output Monitoring

Inovonics RF Receiver & Pendant

Duress Alerting away from the vehicle

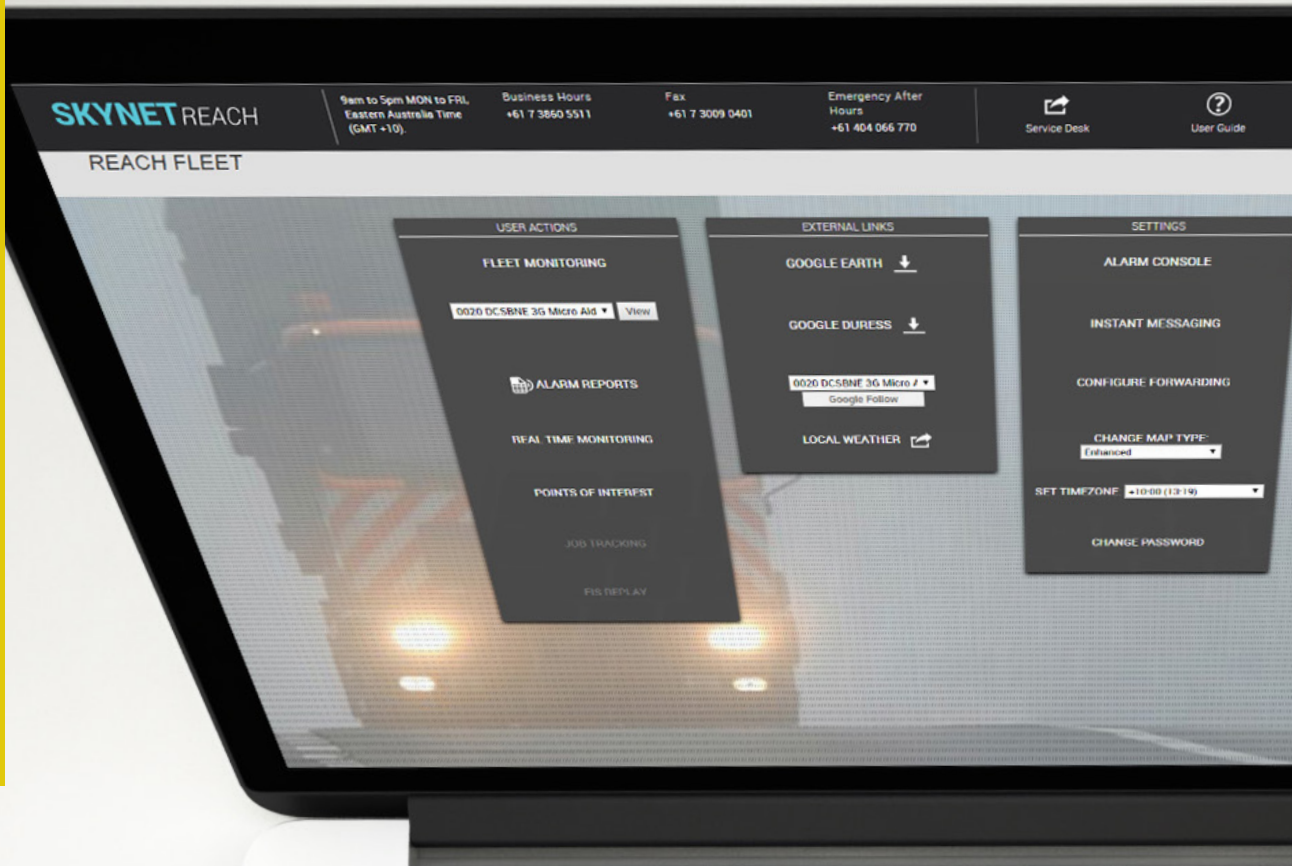
1km Line-of-sight range

VALOR TPMS

Tyre Pressure Monitoring Service

Integrates into REACH® Fleet

REACH® FLEET



SKYNET
REACH Fleet



DRIVER SAFETY & COMPLIANCE

Configure speed alerting, manage driving time and breaks, then create reports for management.

Complete integration with compatible Garmin FMI navigation units.

Stop Management

Allow dispatchers to communicate and manage driver stops in real-time.

Driver Communication

Canned and free-form text messaging even outside cellular areas.

Driver Safety

Speed limit alerts help to enforce safe driving habits.

Driver ID Login

Driver identification via login through the Garmin Unit.

Electronic forms

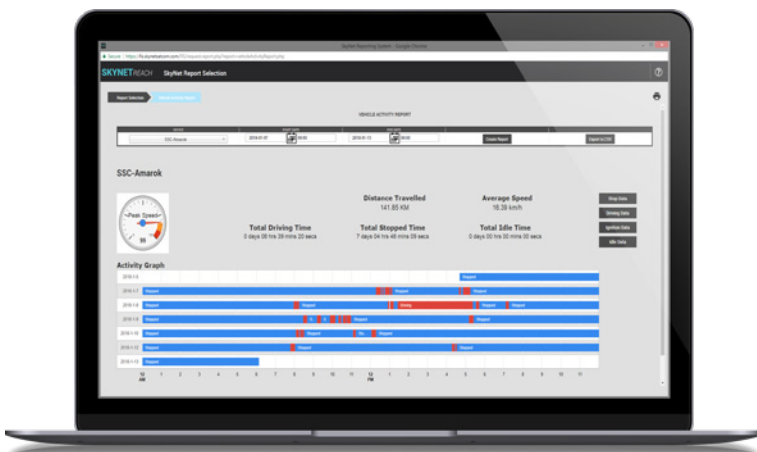
Allow drivers and dispatch to exchange information using forms that can be completed on Garmin device.

Hours-of-Service (HOS)

Fulfil government logbook regulations by automating the entry and recording of all required information from the driver's cab.



VEHICLE & DRIVER ACTIVITY



Driver Activity

Monitor driver behaviour including breaks, stops and time behind the wheel.

Vehicle Activity

Comprehensive & powerful reporting available at your fingertips

REACH® Fleet Cloud Based Platform can be accessed from any Web-Enabled Device to view and manage your assets and drivers.



SKYNET JOURNEY MANAGEMENT CENTRE

Emergency Response, Driver Management, Journey Planning & Compliance

Communicate with your Teams via compatible Garmin FMI navigation units

Trip Replay

Playback vehicle activity through REACH® Fleet. Just select the date & time.

Live Tracking Data

See up-to-the-minute location data for your vehicles (*excludes Satellite).

Securely Stored Data

All your data is saved with SkyNet for up to 6 months.

Route Planning

Upload optimised route plans to your teams to improve time efficiency and reduce fuel costs.

Driver Communication

Canned and free-form text messaging even outside cellular areas.

Driver Safety

In-Car audible speed limit alerts help to enforce safe driving habits.

Live Tracking and Instant Messaging via REACH® Fleet

SkyNet's REACH® Fleet cloud based platform can be accessed from any web-enabled device to view and manage your assets and drivers.

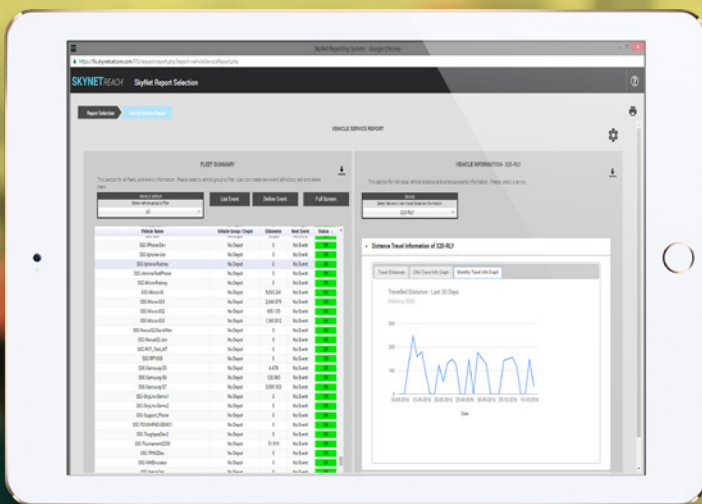
MAINTENANCE & SERVICING

» Vehicle Maintenance Notifications

Give users the ability to view and report on vehicle servicing such as an upcoming scheduled oil change or other pre-defined events.

» Servicing Updates for your Workshop

Show Maintenance Summary Information for selected vehicles which highlights upcoming calendar events scheduled for the fleet.

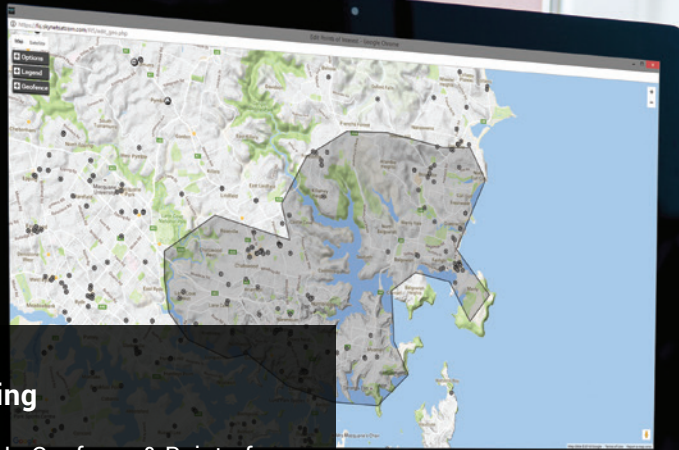


GEOFENCE & POINTS-OF-INTEREST (POI)

Geofence Alerting

Use SkyNet's Built-In Geofence & Point-of-Interest Editor to create virtual boundaries and notifications. Create GeoFence & Points-of-Interest easily with REACH® Fleet

SkyNet's REACH® Fleet Cloud Based Platform can be accessed from any Web-Enabled Device to view and manage your assets and drivers.



Setup Alerts

When vehicles either enter or leave a designated Geofence boundary.

Create Points of Interest

Name your frequently visited locations and plot them on a map for reporting ease.

Geofence

Use SkyNet's Geofence Editor to quickly create virtual boundaries with a range of parameters.

Asset Tracking with GeoGuard

Instantly create a 100m boundary around your Truck, Car, Boat, Bike or Heavy Machinery and get immediate notifications if it leaves that location

Set a Geofence Perimeter with One-Touch on your Smartphone or Tablet.



ROUTE PLANNING & TRAFFIC

**CREATE
CUSTOM ROUTES
AND SEND TRAFFIC
ALERTS TO YOUR
TEAMS**

SkyNet's REACH® Fleet Cloud Based Platform can be accessed from any Web-Enabled Device to view and manage your assets and drivers.

[Easily create & edit routes for your drivers]

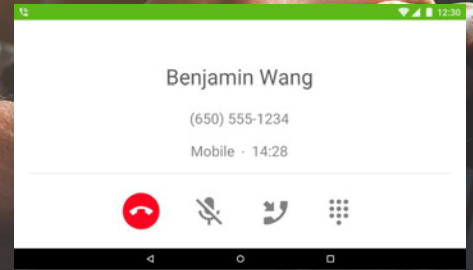
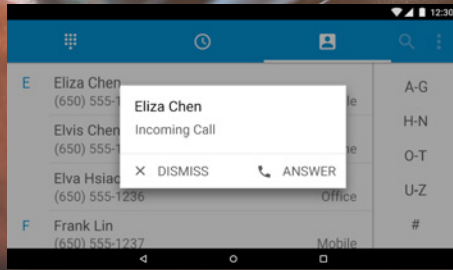
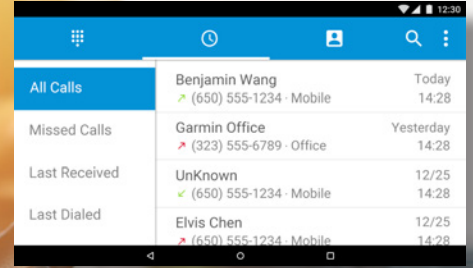
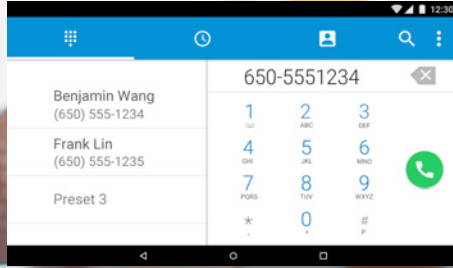
[Manage & assign drivers and depots]



GARMIN®

GARMIN FLEET™ 780 / 790 SERIES

- » In-vehicle Navigation Android Tablet
- » Built on Android Platform
- » On-board Cameras with WiFi Addons
- » Bluetooth Handsfree Calling



KEY FEATURES AND BENEFITS:

Open and Scalable

The open platform allows our telematics solutions partners and their customers to customize the fleet 700 series with their own Android™ device-based business applications. Empower your mobile workforce with everything they need to perform their jobs efficiently and effectively.

OpenSim (fleet 790 Only)

With 4G/3G support, fleet 790 is designed to work anywhere your business activities take you, whether it's inside or outside of the vehicle. The embedded cellular connectivity provides an "always-on" internet connection that provides extra bandwidth for sending video, accessing cloud-based applications and replacing the need for a laptop, tablet or handheld device.

Fleet Management Ready

The fleet 700 series offers navigation APIs and built-in fleet management apps that facilitate the development of complete solutions. The units are also compatible with our existing FMI cables and features.

Fit for Purpose

The fleet 700 series features industrial-grade hardware optimized specifically for long-haul commercial truck use. It's tested against the MIL-STD-810 Transit Drop Test, which consists of a drop on each face, edge and corner from a height of 4'. The magnetic mount makes it easy to take the fleet unit on the go.

Wi-Fi®, Bluetooth® and NFC

Wi-Fi for internet connection, map updates over the air and connectivity to third-party peripherals, including cargo cameras, sideview cameras or even driver-facing cameras. Bluetooth protocols are also available for connecting applications, hardware, and handsfree calling. NFC can be utilized for driver log-in and inventory management.

Dual-purpose Camera

The built-in dash camera is your eyewitness for the road and productivity camera at the site. If the fleet 700 series is in-mount and powered, the camera will function as a full-HD dash camera with fixed focus. When removed from the mount, the camera will be optimized for productivity use cases. (Available for fleet 780 and fleet 790 only.)

MULTIPLE USES:

Commercial Truck Navigation

Specialized truck routing based on your truck's individual profile. With truck-specific POIs, road warnings, advisories and restrictions.



FLEET MAGNETIC MOUNT:

The powered magnetic cradle charges your device while you drive. With its miniUSB for charging and connection and the additional USB Type-A, connecting peripheral devices such as printers and scanners has never been easier.



MAP COVERAGE:

Detailed maps for North America, Europe (45 countries) or Australia and New Zealand with lifetime map updates¹. Visit Garmin.com for more information.



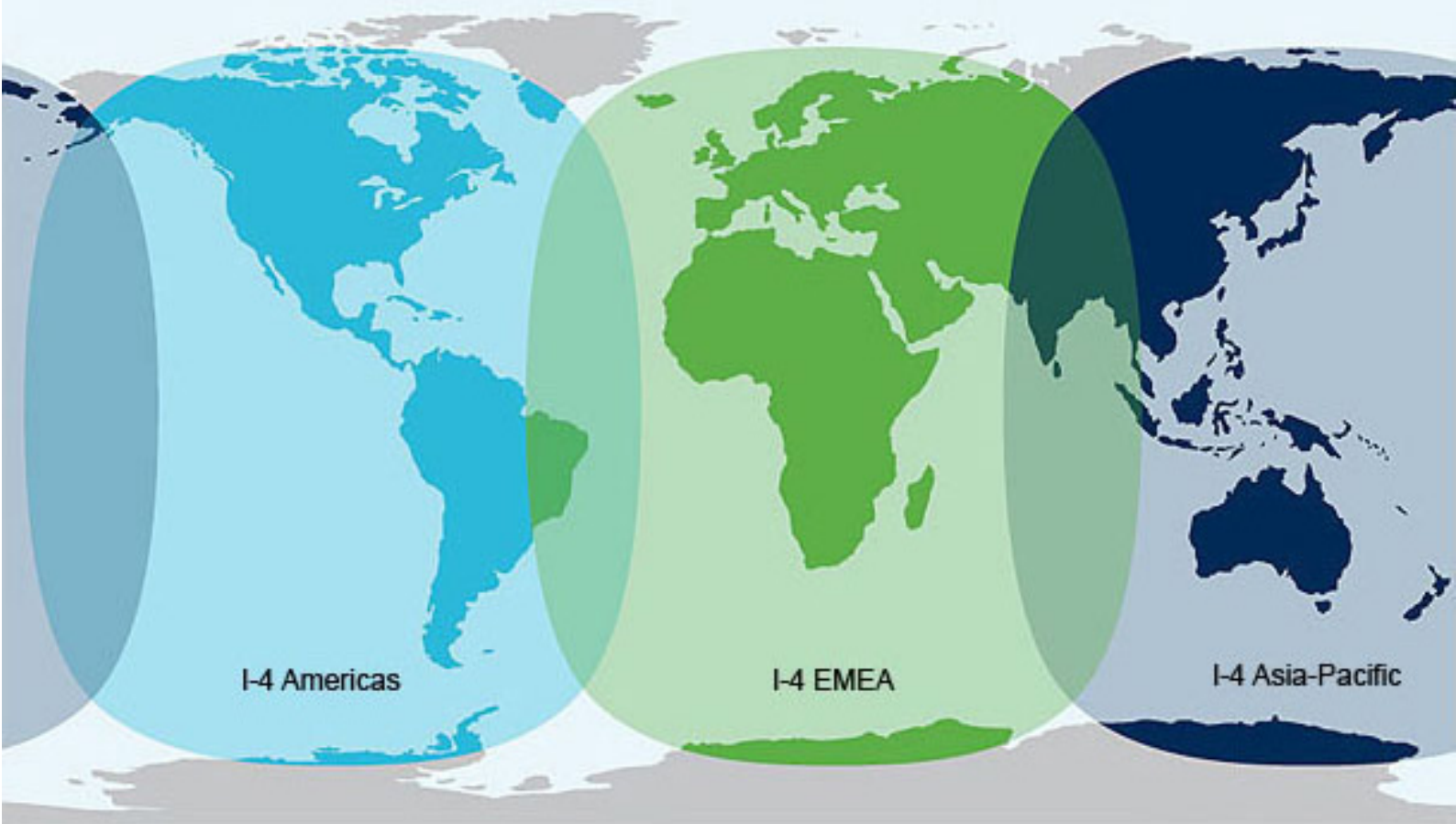
ORBCOMM IDP-782 HYBRID MODEM

- » Hybrid Satellite / 3G / GPS
- » Least-Cost Routing to save on airtime costs
- » I/O Connectivity
- » 100% Landmass Coverage

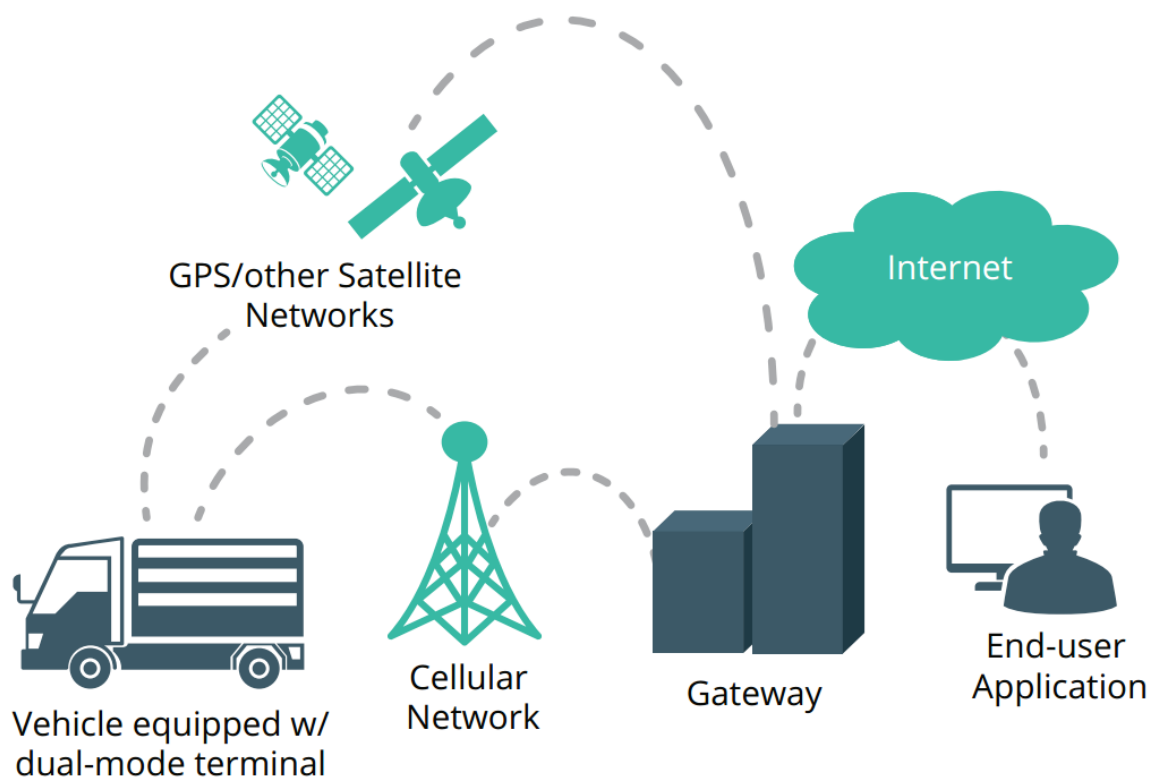


ORBCOMMTM

IDP-782



TRUE 2-CHANNEL HYBRID SATELLITE & GSM TECHNOLOGY USING *LEAST-COST ROUTING*



VALOR TYRE PRESSURE MONITORING

- » OTR Installation (On-the-Rim)
- » Real-Time Data Dashboard via REACH® Fleet
- » Drop-n-Hook feature to connect multiple Trailers
- » Measure Temperature & Pressure Internally



VALOR
TIRE PRESSURE MONITORING SYSTEM



Display



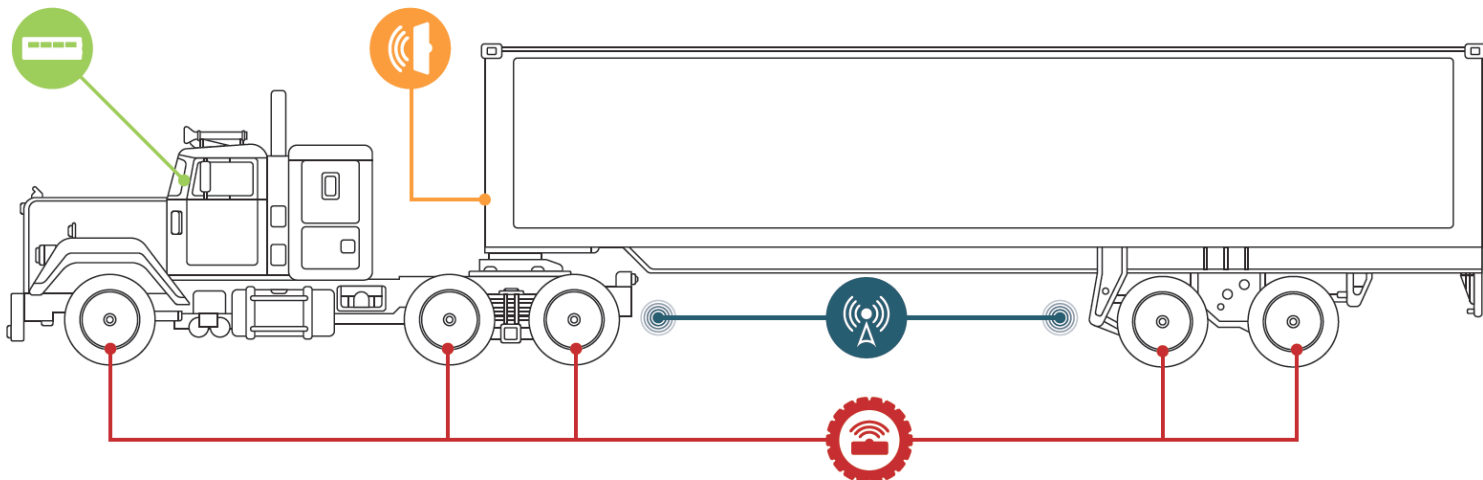
Antenna



Transceiver

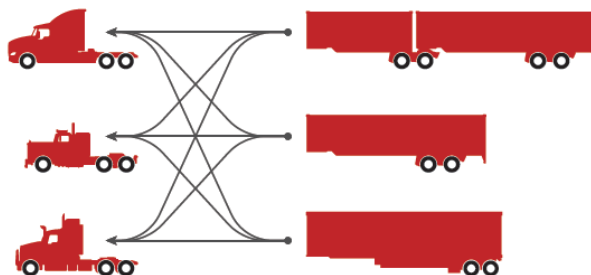


Sensor



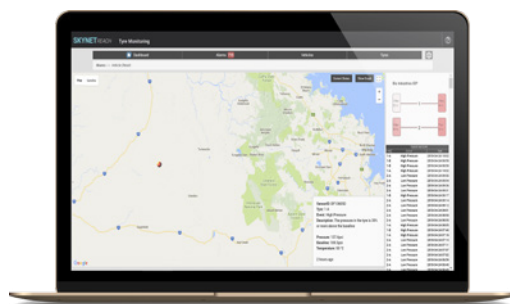
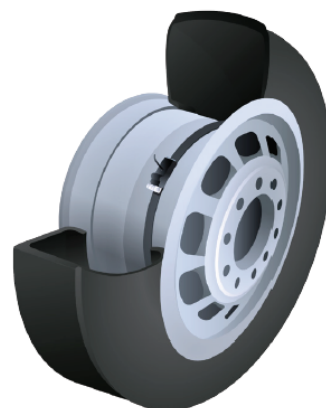
We work in Demanding Environments where others fail. Robust, Reliable, and Precise. Valor Strong!

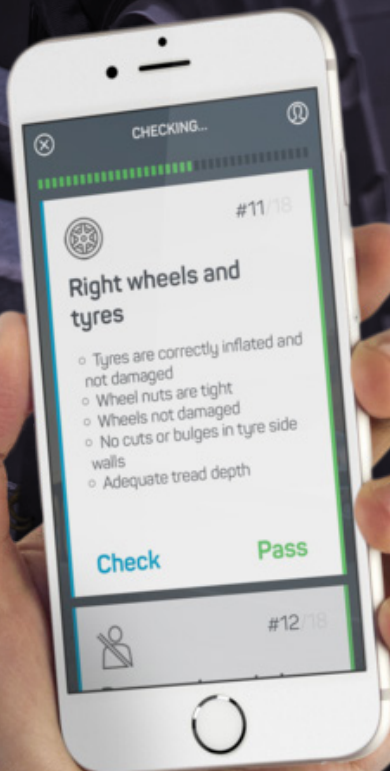
The Valor system allows you to hook-up any truck to any trailer automatically. The system pairs and reads all wheel positions in real-time. With our drop-n-hook feature you can manage your fleet more efficiently, getting your trucks on the road sooner, keeping them on the road longer and saving you both time and money.



Features:

- ▶ Sensors installed securely on the rim
- ▶ Measures air Pressure internally
- ▶ Measures air Temperature internally
- ▶ Real-time monitoring 24/7
- ▶ Displays exact tire/axle position
- ▶ Telematics integration available



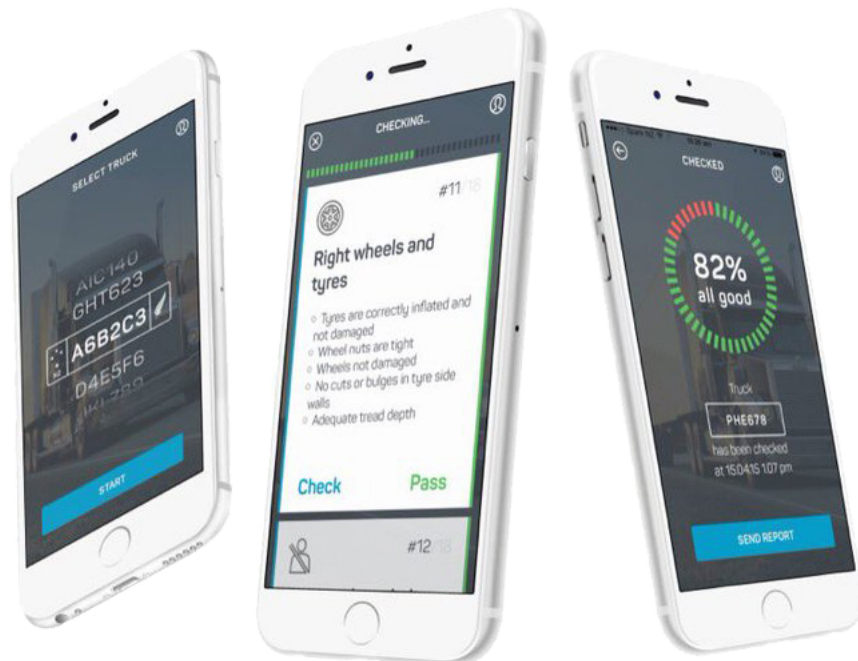


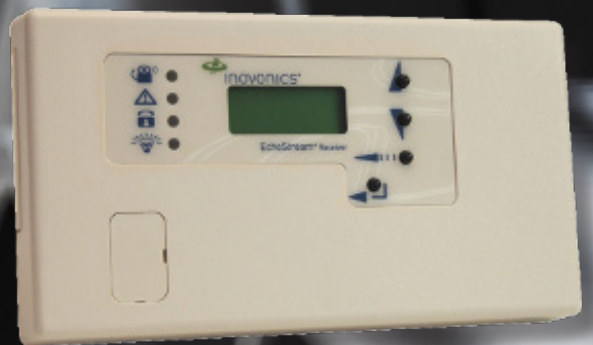


A MORE EFFICIENT VEHICLE INSPECTION PROCESS

Transform your paper-based vehicle inspection reports into mobile-friendly forms. Have your drivers conduct their daily vehicle inspection reports (DVIR) on their smartphones via a mobile app.

Control what vehicles are inspected. Add photos and comments. Automate time, date and GPS stamping. Generate work orders when faults are flagged. View analytics and leaderboards to ensure your business is compliant and efficient.





INOVONICS DURESS SYSTEM

- » Receiver & Pendant Solution
- » Activate up to 1km Line-of Sight from Vehicle
- » Carry on Belt Clip or Lanyard
- » RF Frequency Transmission



Driver presses
Duress
Pendant



Transmits up
to 1km Line of
Sight



Receiver in
Truck relays
Alert to the
Modem



Signal is sent
via 3G or
Satellite via
Least-Cost
Routing



SkyNet's
Servers receive
Duress Alert to
action



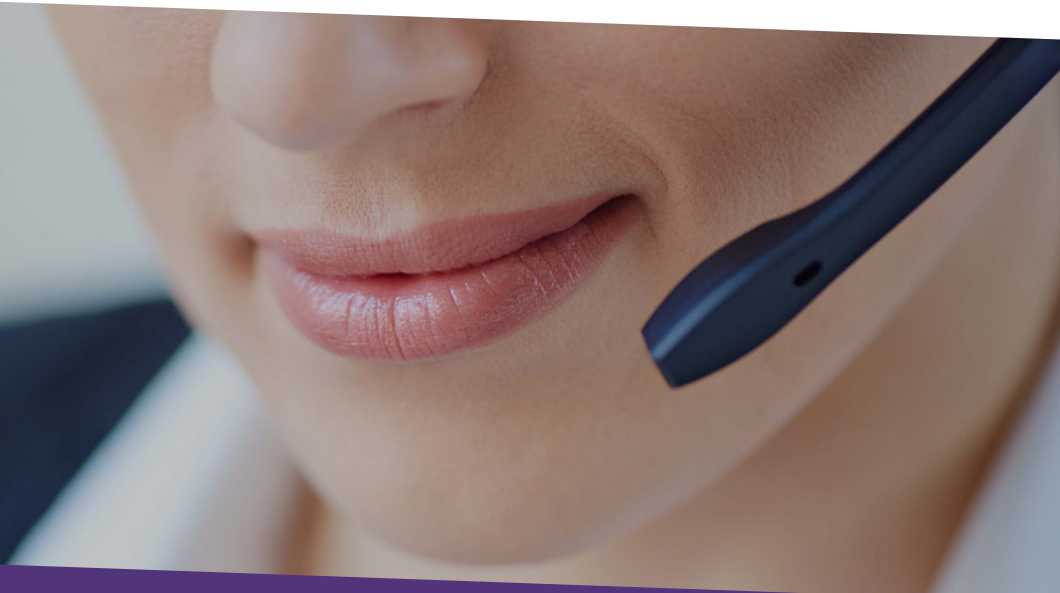
Alert
immediately
forwarded to
24/7 Monitoring
Centre

Technical Specifications:

- Effective Range up to 1km Line-of-Sight. (recommended use 300m-400m through building infrastructure)
- All receivers feature Inovonics EchoStream technology with diversity reception and advanced signal processing to minimize "nulls" or dead spots, to provide superior performance in RF noisy environments.
- Inovonics EchoStream 900MHz radio utilizes a unique frequency hopping, spread spectrum technology to meet the demands of an increasingly cluttered wireless world.

24/7 Monitoring

Integrate Duress
Alarms into
SkyNet's Journey
Monitoring Centre



REMOTE PASSIVE ALERTING





- ON-BOARD EQUIPMENT DESTROYED
- REMOTE LOCATION ROLLOVER
- SEVERED COMMUNICATION LINK
- DRIVER INCAPABLE OF ALERTING

SkyNet's Remote Passive Alerting (RPA) is a technology breakthrough in Fleet Tracking vehicle systems, specifically designed for remote operations and dangerous cargo.

RPA offers the fastest way to alert fleet operators of serious accidents involving heavy transport and remote area operations. In these events, the driver may become incapacitated on sudden impact or the on-board vehicle tracking equipment may have insufficient time to report if damaged or destroyed.

Without Remote Passive Alerting there would be no other way to receive notifications of critical incidents.

SkyNet's RPA can quickly escalate remote area accident events with Back to Base Monitoring 24/7 every day of the year, knowing that in the event of serious accident an emergency response plan can be activated around the clock. This will ensure suppliers and customers will have confidence your fleet is secure and maintains the highest standards of transport safety.

With fast notification of potentially dangerous chemical or fuel spills, emergency first responders can be alerted and ready for dispatch to any remote area event quickly. When catastrophic accidents occur, the time taken to get the initial reports is vital to minimising serious collateral damage as these incidents can have a large impact on the surrounding environment or structures.



Coverage for
100% of Land-
Mass Locations

Increased
Survival Rates
Due to Rapid
Response

REMOTE PASSIVE A



**DRIVER FALLS
ASLEEP**



**VEHICLE
ROLLOVER**



ALERTING TRIGGERS



**DRIVER
INCAPACITATED**



**EQUIPMENT
DESTROYED**



SKYNET

Satellite Communications



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