

# MAINTENANCE IMPACT

**FLEET MANAGEMENT** 

BENEFITS OF EFFECTIVE IMPLEMENTATION

**TELEMATICS** 



#### **BUSINESS TRANSFORMATION**

The Telematics offers the Power of the Information certainly a great Advantage competitive when your Implementation is Effective.

SUCCESS for any maintenance management is to turn corrective maintenance into preventive.

That is why information and its interpretation is very important, the real Value is when they are taken TIMELY DECISIONS And representing Savings for business.

The Main Benefit is to have detailed control of the operation within reach at any time 24x7, allowing Identify operational failures and above all Opportunities to improve and reduce unnecessary costs.





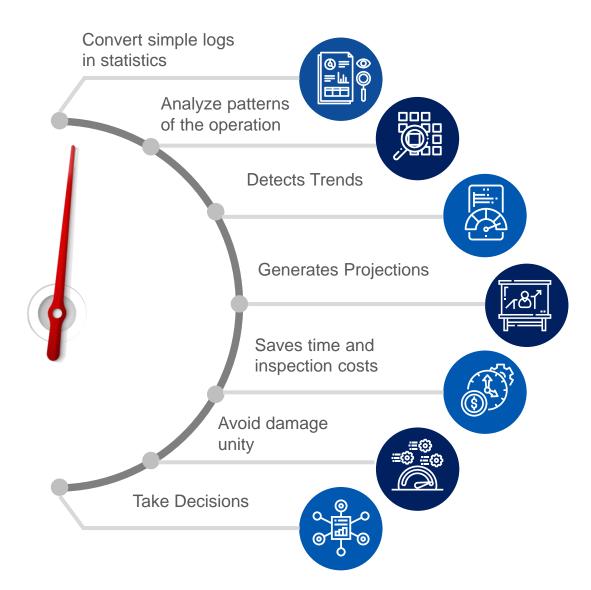
#### **ENGINE INFORMATION**

Know the operation and status of the Engine of the entire vehicular fleet in REAL-TIME is, without a doubt, the best tool you can count on.

Telematics as a platform for REMOTE DIAGNOSIS detects and reports operating and failure conditions.

It is possible to obtain valuable information for a maintenance analysis and mainly to avoid unnecessary expenses in repairs or engine replacements.

Continuous monitoring of vehicle components and operating behaviour can lead to vehicle services ADVANCED FORECAST that further reduce downtime and maintenance costs.

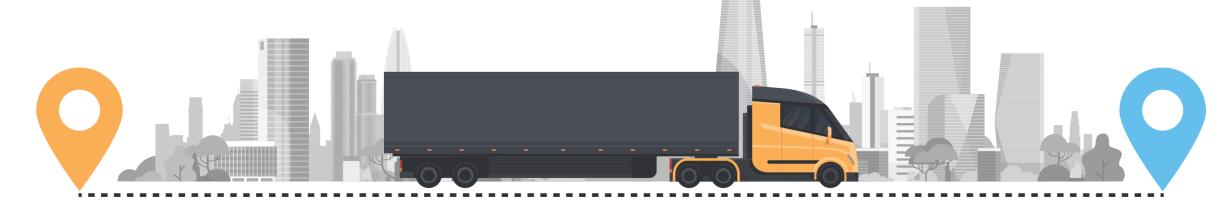




#### PREVENTIVE TO PREDICTIVE

Carriers by efficiently implementing Telematics in their fleet can limit surprises, reduce costs, increase profits, and create competitive advantages in operation and business.

Healthier Fleets are more Productive.



Vehicles can be sent to maintenance before a major failure happens impact on the operation and profitability of the business.

The cost of ignoring these maintenance events will always be much higher than the cost of recognizing them, so it is necessary address these events in a timely manner.

This transition to predictive maintenance, rather than preventive maintenance, gives fleets more options to solve potential problems and helps optimize operational efficiency.

Predictive maintenance is not a replacement for

preventive maintenance, but rather a way to

perform maintenance when conditions indicate

an imminent problem to prevent a collapse.



#### **OPERATION INDICATORS**

Having the logs of the operation generates Opportunities to correct, allows us to take action Preventive to eliminate the possibility of unexpected maintenance issues.



#### PROACTIVE MANAGEMENT

Today everything happens and moves very fast, so keeping your vehicle fleet in operation is a matter of Priority.

In order to make timely decisions, it is vitally important to have information Statistics And Trends the behavior of critical variables of the operation, and thus implement any action plans as necessary.

Forecasts, prevention, and monitoring are methods for assessing fleet health to maximize Reliability And Security Operative.

The Utility Telemetry in transport is achieved when it relates to the different areas of the company with the information that the fleet generates, to generate Value And Benefits in the operation and especially in the Business.

The PROACTIVE MANAGEMENT fleet has a great Impact in the Efficiency significantly helps in planning and budgeting for future maintenance.



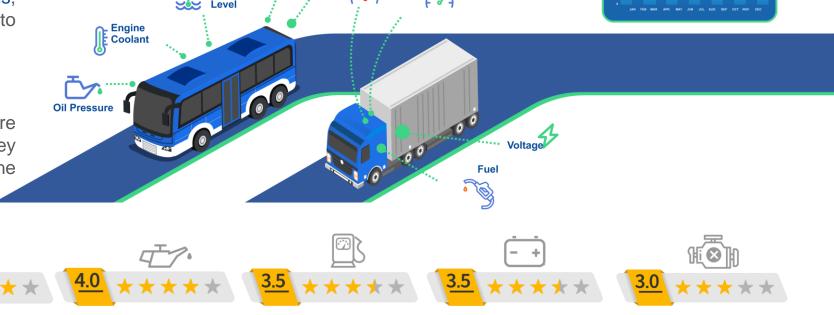


#### **RULES AND EXCEPTIONS**

By implementing Telemetry in fleet management, the information generated should be used as a source for Decisions, which is why it is very important to establish RULES AND EXCEPTIONS.

They are of great Utility, as they are conditioned that, in their compliance they represent affectations or benefits in the Operation.

RPM > 1,800 RPM



Fuel < 15%

Speed

The real one Value is when they are given an indicator-level turn that represents an impact on the Profitability business.

Engine > 100 C

Oil < 1bar

It helps generate comparisons between drivers or vehicles, and Understand differences in Results Obtained.

Battery (20 V)



Fault Code

#### **BENEFITS**

Telematics is a SMART INVESTMENT, with which you can obtain valuable information for a maintenance analysis and mainly to avoid unnecessary costs in repairs and increase the Profitability operational and business.

Specific Goals



Avoid costly disruptions to operations due to unscheduled downtime



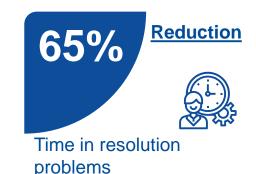
Help proactively manage maintenance and improve operational efficiency

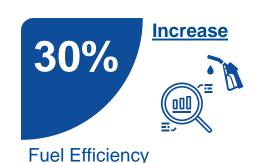


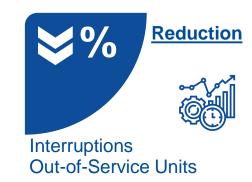
Detect unforeseen problems in advance

This requires fleets to drive greater Productivity, implement technology Telematics and extend the life of your equipment beyond typical replacement cycles.













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