DIAGNOSTICS, TELEMATICS & TOOLS

jaltest TELEMATICS

CATALOGUE

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jaltest TELEMATICS

JALTEST TELEMATICS

SOFTWARE

HARDWARE

SOLUTIONS

JALTEST TELEMATICS AGV

JALTEST TELEMATICS OHW

COJALI

JALTEST TELEMATICS CONNECTED TO THE HEART OF THE VEHICLE

JALTEST TELEMATICS

Jaltest Telematics defines a new concept in the market by adding multi-brand and multi-system remote diagnostics directly obtained from vehicles. The Optimal Driving Fleet platform (ODF) is totally aimed at the optimisation of fleet efficiency, by reducing the number of breakdowns, optimising times, measuring the main indicators to support the decision-making process, and providing the necessary information to the users in each role.

It also introduces the possibility to perform predictive maintenances, which allow the user to detect and avoid breakdowns before they occur.

In case these breakdowns have taken place during the trip, it will be possible to perform repairs in real time or direct the vehicle to the nearest workshop that is connected to the Jaltest network.

SOLUTIONS ADAPTED TO EACH VERTICAL AND COVERAGE FOR A WIDE RANGE OF MULTI-BRAND VEHICLES

HEAVY DUTY TRUCK

BUS AND COACH

TRAILER

LIGHT COMMERCIAL VEHICLE & PICKUP

AGRICULTURAL VEHICLE

OFF - HIGHWAY

A TOOL BASED ON THE EXPERIENCE OF JALTEST DIAGNOSTICS.

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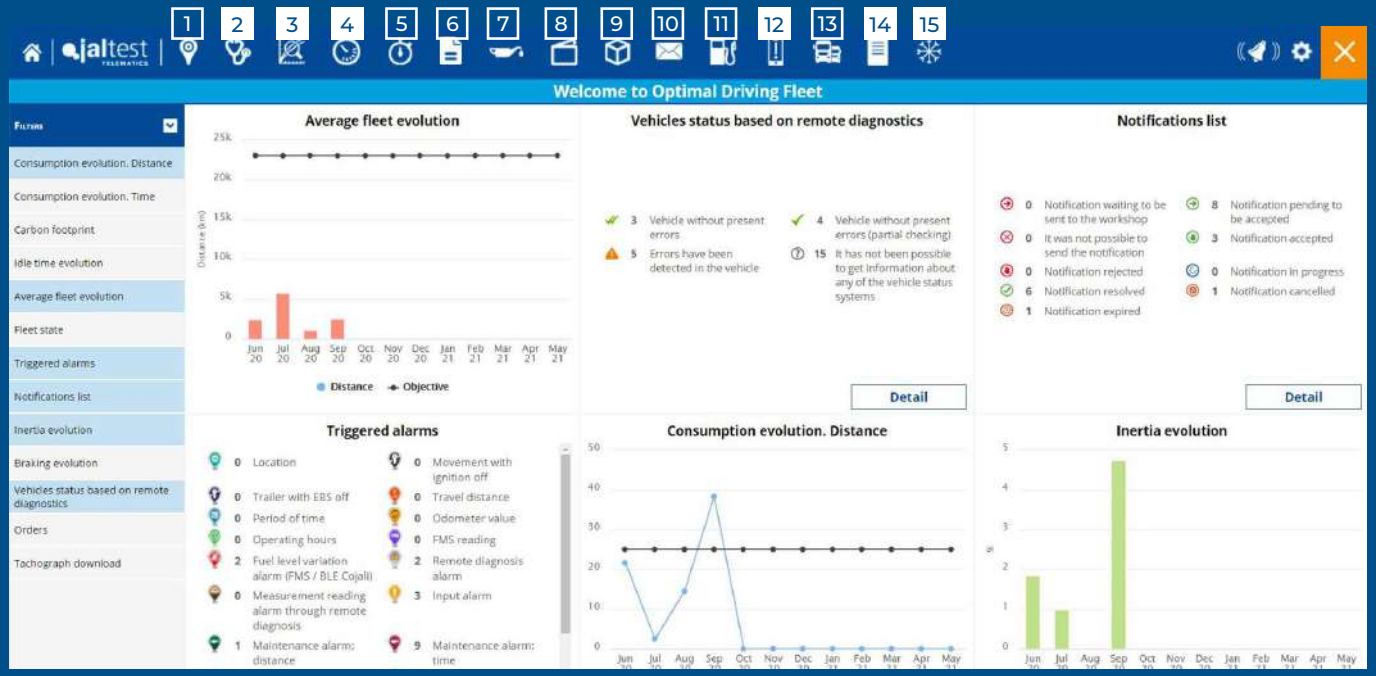
MORE THAN TELEMATICS

With Jaltest Telematics you will be able to access all the information in real time, which represents an added value to achieve a more intelligent, efficient, sustainable, safe and profitable fleet.

These are some of the functionalities that make Jaltest Telematics one of the most complete fleet management tools on the market.

1. Location
2. Diagnosis
3. Predictive
4. Tachograph
5. Alarms
6. Reports
7. Maintenance
8. Workshop notifications
9. Orders
10. Messages
11. Fuel
12. Geo Box
13. My fleet
14. Subcontractors
15. Cold Chain



Added value services

Basic services

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OPTIMAL DRIVING FLEET PLATFORM

SOFTWARE

- REMOTE DIAGNOSTICS
- PREDICTIVE MAINTENANCE
- TACHOGRAPH MANAGEMENT
- REPORTS

ODF

Through the Jaltest Telematics ODF portal, it is possible to display information in real time at a moment's notice, anywhere, from any PC or mobile device, since the system is located on the cloud. Through a simple App, any driver, mechanic, fleet manager or client may access all these data and interact with them.

- COLD CHAIN
- SENSORING
- WORKSHOP NOTIFICATIONS
- OTHER FUNCTIONALITIES
- JALTEST TELEMATICS BENEFITS

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ODF

PREDICTIVE:

- Estimation of the useful life time of a system, a component or set of components, based on the information record of the vehicle.
- Possibility of creating slots for each maintenance action and preventing possible breakdowns.

REPORTS:

- Times, Speeds, RPM.
- Trip chart.
- Trip diagram.
- Consumption.
- Brake actuations.
- Drivers' ranking.
- Parameter and data reading of the trailer.
- Inertia usage.
- Inputs or sensors installed.
- Use of cruise control.

MESSAGES:

- Communication service.
- Custom sending of planned reports.

FUEL:

- Refuelling recording for drivers and information about actual fuel costs.

LOCATION:

- Current position.
- History.
- Nearest vehicle.
- My locations.

TACHOGRAPH:

- Remote download of tachograph.
- Remote download of driver cards, driving times and resting times.

MAINTENANCE:

- Management of maintenance tasks.
- Maintenance log.
- Maintenance management through workshop notifications.
- Maintenance alerts.

GEO BOX:

- Container location without GPS through mobile app.

DIAGNOSIS:

- Present errors.
- Reading of out-of-range indicators.
- Real-time notifications .
- Next maintenances.
- Predictive maintenances:
- Fleet health check.
- Error clearance. ex. anti-pollution system
- Remote regeneration of the particulate filter.

ALARMS:

- Location.
- Distance travelled.
- Time intervals.
- Overspeeding.
- Diagnosis.
- Pending tachograph/driver card downloads.

WORKSHOP NOTIFICATIONS:

- Repair management.
- Maintenance management.
- Possibility of remote diagnostics.
- Possibility to have a workshop network.

SUBCONTRACTOR:

- Integrated ERP module to collect company data and freelances subcontracted by the company.

ORDER MANAGEMENT:

- Tracking of goods.
- Real-time tracking.
- Chat with the driver.
- History of changes.

COLD CHAIN:

- Certified solution for cold chain control.

REMOTE DIAGNOSTICS

UNIQUE IN THE MARKET

Jaltest Telematics is the only solution in the market with remote MULTIBRAND diagnostics. This functionality is the doorway to a new concept oriented towards the repair and prevention of major breakdowns, where any user related to the repair and checking of vehicles can make decisions as soon as an anomaly is detected, or even assess indicators of possible future breakdowns.

VEHICLE STATUS

Jaltest Telematics allows the connection with the drivers and their vehicles in real time, which enables the planification and improvement of the technical service processes. ODF solution enables remotely access to ECU units and FMS systems of any vehicle. Through the system, the manager can handle data and ratios over multiple variables, send repair notices, and even perform diagnostics processes. In addition, it allows you to take advantage of predictive maintenance plans on algorithms implemented by the manufacturer.

ERROR CLEARANCE

During these diagnostic processes, the platform allows you to easily distinguish vehicles with detected errors and even carry out processes such as:

Minor error clearance for the vehicle remotely, such as the anti-pollution system clearing.
Remote regeneration of the particulate filter.
Remote reset of the control units (ECUs).

MULTI-BRAND AND MULTI-SYSTEM

Jaltest Telematics offers the possibility to perform diagnostics on any on-board system of the vehicle, carry out a measurement selection (for example, brake pads wearing, temperature, voltage, pressure, engine RPM, etc.), and obtain data of the ECU (Electronic Control Unit) to make sure that the vehicle is able to handle a working day in optimal conditions.

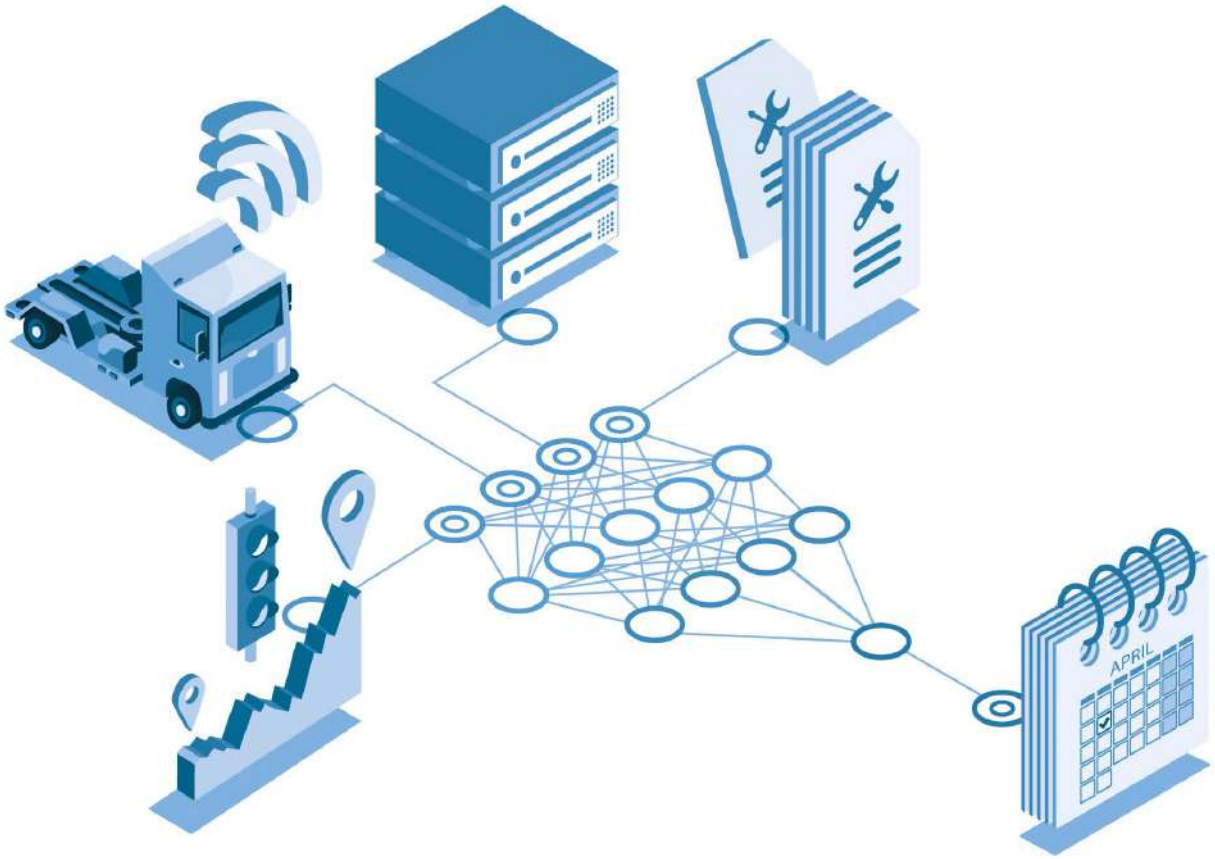
PREDICTIVE MAINTENANCE

ARTIFICIAL INTELLIGENCE APPLIED TO FLEET MANAGEMENT

Jaltest Telematics applies disruptive technology as Artificial Intelligence and other proprietary protocols in order to analyse all information reported by the vehicle. Furthermore, it has developed machine learning systems that are trained in one of the most complete multi-brand and multi-system data collections in the world.

Thanks to these machine learning models, Jaltest Telematics is able to estimate the useful life time of a system or a component, based on the conditions of use and the maintenance operation history. This makes it possible to establish slots for each maintenance action and to prevent potential breakdowns.

- Optimisation of maintenance operations, making the most of the useful life of the components.
- Prevention of potential failures, reducing contingencies and breakdown assistance, and enhancing safety.
- Optimisation of resources, minimising periods of inactivity and reducing the carbon footprint.



TACHOGRAPH MANAGEMENT

COMPLIANCE WITH THE REGULATIONS

The option to have these files available is essential for fleet management, since there is a legal regulation that requires the availability of this information. Obtaining it remotely frees up the staff by avoiding management problems, derived from having to locate the vehicle to perform the download on the scheduled date.

REMOTE DOWNLOAD AND PLANNING OF DOWNLOADS

The submenu “Download request” offers the possibility of performing a download of the tachograph as well as of the driver card in a certain moment of time. Moreover, it is possible to define automatic monthly and weekly “Plannings”, in order to minimize the risk of penalties and additional payments by the need to download the tachograph file in external services.

DOWNLOAD HISTORY

Through this menu, you can search and download to your PC any file previously downloaded through the platform. The files shall remain in the ODF servers for two years.

TIME AND KM REPORTS BY COUNTRY

Between the multiple available reports (trip table, trip diagram, tachograph activity, etc.) ODF offers the possibility of having the time and km information made by country, facilitating the administrative management arising from the activity developed specifically abroad.

REPORTS

ECO DRIVING AND SUSTAINABILITY.

- Calculation of the drivers' performance.
- Configurable driver ranking based on driving events.
- Time at idle.
- Possibility of establishing weights for the different variables according to their importance for the development of the activity of each fleet
- Reduction of accident risk and severity.
- ADAS system use monitoring.
- Social impact: employees and clients.
- Return of Inversion (ROI).

SUSTAINABILITY, ENVIRONMENTAL CARE

- Fuel consumption and CO2 emissions..
- Toward a more efficient and ecological driving.
- Cultural change and gamification.
- Proactive strategies to reduce the CO2 footprint

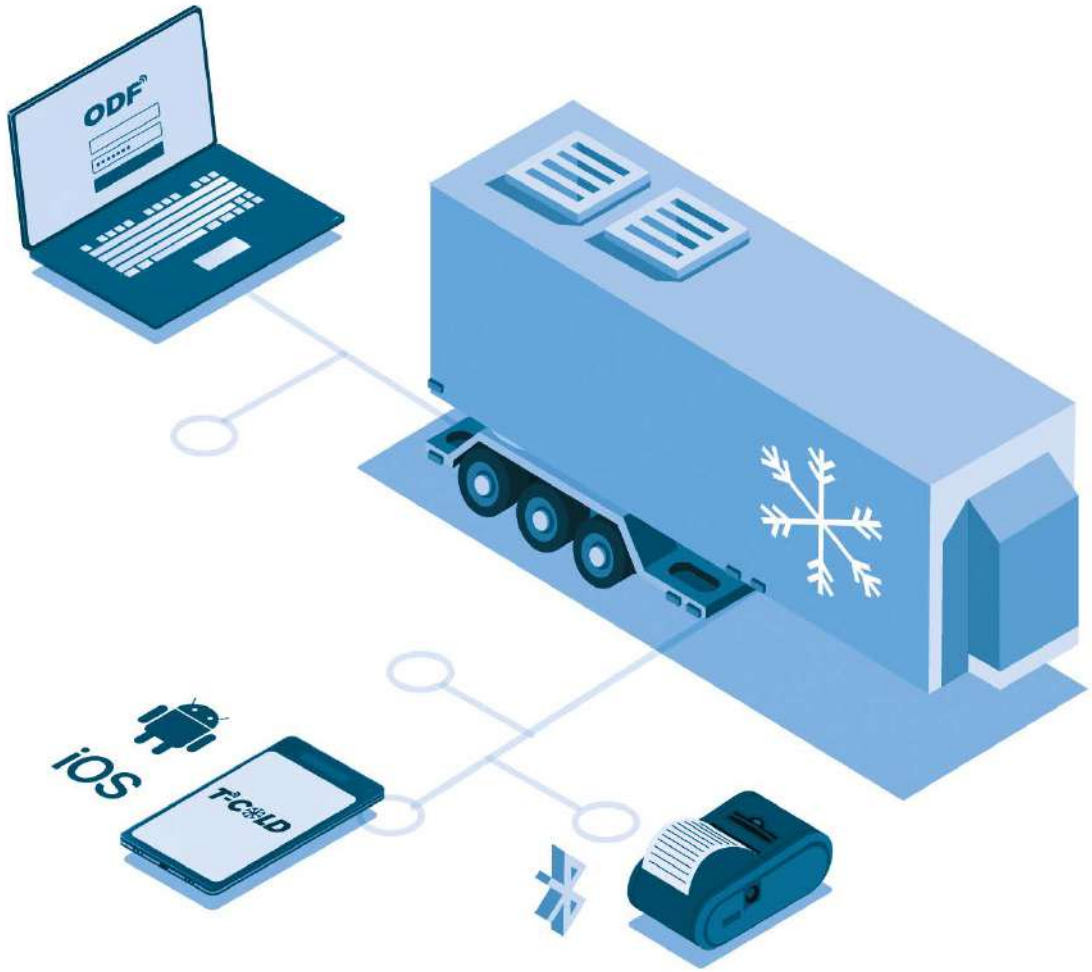
ODF: ALL VARIABLES OF EFFICIENT DRIVING AVAILABLE WITH A SIMPLE CLICK

COLD CHAIN

COLD CHAIN MANAGEMENT

Jaltest Telematics allows the companies in charge of this type of transport to comply with specific requirements of conservation, control and management of temperature and humidity during the route, thereby fulfilling the Guides to Good Practices demanded by the pharmaceutical and food sectors.

ODF platform is also highlighted by the possibilities of extension and integration of this solution with the systems of each company and the manufacturers of equipment and refrigerated vehicles, all this combined in a unique management tool.



Certifications:

- UNE-EN 12830:2018
- E-Mark
- CE
- RD 244/2016 & ICT 155/2020
- Welmec 7.2

Monitoring:

- Through the ODF Platform
- Through mobile App
- Report sending in electronic format
- Possibility of portable Bluetooth printer

SENSORING

TRAILER ID

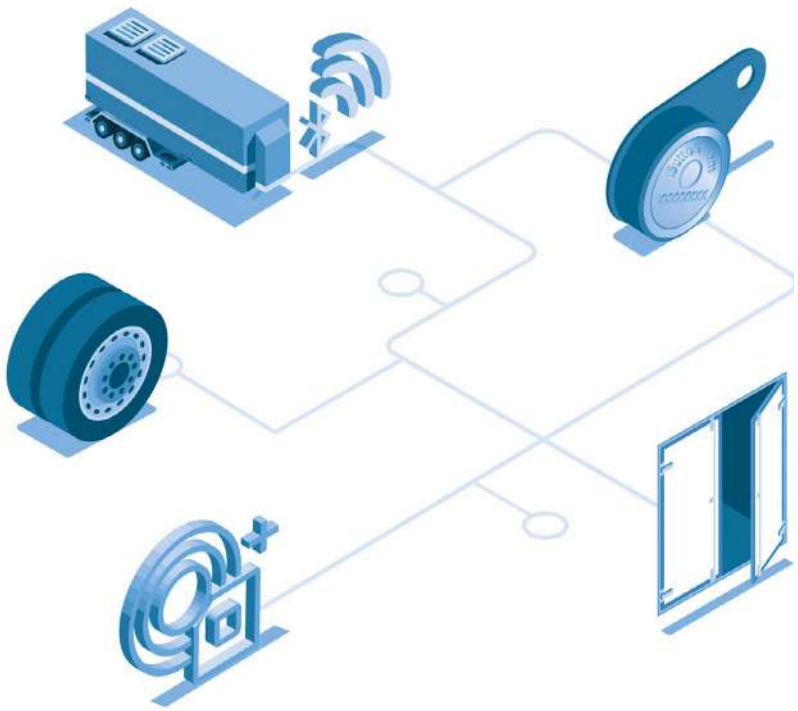
The Trailer ID functionality allows the identification of semi-trailers, linking them automatically with a tractor head through a Bluetooth sensor located on the frontal part of the semi-trailer and without using a telematic unit.

TEMPERATURE AND PRESSURE CONTROL OF TYRES

Jaltest Telematics offers complete tyre pressure and temperature monitoring in order to extend its useful life, reduce fuel consumption, and avoid unforeseen problems such as burst tyres on road.

ADDITIONAL SENSORS

Jaltest Telematics can integrate new sensor families according to the user's needs.



DRIVER IDENTIFICATION IN VEHICLES WITHOUT TACHOGRAPH

Jaltest Telematics offers an ideal solution for the driver identification in vehicles without Tachograph by a magnetic key associated with the driver and a receiver that would be installed in the vehicle. The vehicle-driver relation allows you to obtain the maximum performance of functionalities such as the efficient driving reports and driver ranking.

DOOR OPENING AND CLOSING

Thanks to sensors such as those for opening and closing doors, Jaltest Telematics offers an important safety component that helps prevent and detect unauthorised access.

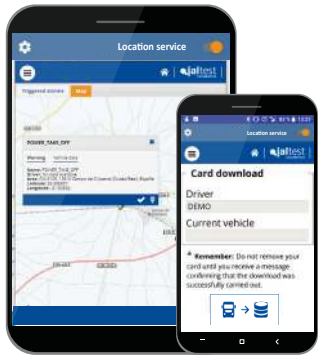
In addition, this solution allows you to complement other abilities such as the cold chain management, controlling opening times to optimise the temperature control.

WORKSHOP NOTIFICATIONS

AGILITY AND REDUCTION OF REPAIR TIMES

- Module that allows the fleet manager to connect in a remote, fast and simple way with the nearest workshop of the network, facilitating any management needed to be done during the route.
- Access to information in real time. Monitoring of the vehicle operation at all times.
- The mechanics workshop can quickly know the type of problem and work optimally in the client fleet.
- Agility in the proceedings. Data are entered only once in the platform. The bureaucracy and waiting time of the workshop clients are reduced.
- Information in the cloud. Access to the information from any mobile device using the cloud as a source of information storage and facilitating the repairs based on the previous experience of the vehicle.
- Predictive maintenance. It is possible to detect breakdowns before they occur.
- Through the maintenance module, it is possible to plan the maintenance required and perform a warning signal in case where it is advisable to visit the mechanics workshop.

OTHER FUNCTIONALITIES



APP WITHOUT ACTIVATED LOCATION

Besides access to the ODF portal, it also possible to have all the information for the Driver, Technician, and Fleet Manager through the ODF App, including messaging services on your Smartphone or tablet. It is available to download in Google Play Store for Android.

- Show your compliance with the driving times.
- Synchronise the tasks between your drivers on the road and the office staff.
- Monitor in real time the load and unload of goods/people and the transport tasks.
- Manage the trip data remotely.
- Show to your clients your compliance with the service level agreement.
- Speed up the communication through a driver chat.
- Driver identification in a vehicle without compatible tachograph. By accessing the app, it will be possible to select the current vehicle and whether the driver is the main driver or the passenger.

APP WITH ACTIVATED LOCATION

In addition to the aforementioned services, it includes:

- Activation key for location service.
- Settings bar to access the following: received messages, adjustments in the behaviour of location sending, disconnection, connection/disconnection of location sending based on the user's requirements.

INTEGRATIONS

ODF Jaltest Telematics allows the user to integrate it with their CRM, ERP, Transport Management System, Asset management, Costs management or any specific applications of the industry: we make it easy for our clients to integrate our platform with services that are essential for their business.

Together with our technological partners, clients and their software & hardware suppliers, we can facilitate integration tools that will help you in many ways to improve the client service and the response times, as well as to reduce the operational and management costs.

DATA SCIENCE

Cojali highlights the importance of all the experience gained over more than 20 years as a leader in multi-brand Diagnosis for commercial vehicles and all the information collected in diagnostic sessions, on-board telematics and technical assistance, to obtain the maximum performance from the data obtained from the vehicle and remote diagnosis.

Thanks to the application of advanced analytics and Artificial Intelligence models on the information collected, it is possible to identify patterns, trends and extrapolate behaviours that allow you to progress towards a real predictive maintenance, without false alarms, reducing the vehicle time in the workshop to the maximum reducing and unforeseen events on the road.

JALTEST TELEMATICS BENEFITS

1. COST CONTROL.
Obtaining KPI indicators allows the user to evaluate the economic impact on the client, derived from the investment in fuel, breakdown times, inactivity times, etc.

2. DECISION-MAKING BASED ON DATA.
Jaltest Telematics allows you to control, manage and administer all the information of the fleet state in real time, speeding up and optimising the decision making.

3. EFFICIENCY INCREASE.
Having access to complete data in real time makes ODF the ideal tool to detect trends and performance levels, being able to act accordingly in order to increase the efficiency of the fleet.

4. PREDICTIVE MAINTENANCE.
Possibility to detect breakdowns before they occur, anticipating the problems and costs derived from them, and always keeping the vehicle in optimal conditions to travel.

5. A MORE SUSTAINABLE AND ENVIRONMENTALLY FRIENDLY FLEET.

6. REDUCTION OF REPAIR TIMES.
Through our ODF solution, our clients have access to the workshop 4.0 module. This makes possible, not only to predict and prevent breakdowns, but also solve them quickly, the workshop can perform a remote diagnostic of the vehicle and have the necessary spare parts or repair tools ready for the vehicle arrival.

7. TCO REDUCTION.
Our model unifies all the services that the fleet management needs, therefore, it helps companies to reduce the direct and indirect costs related to the purchase of different software programs.

8. QUALITY ASSURANCE.
In-house hw and sw solution and manufacture, controlling the product life cycle and guaranteeing maximal quality standards.

9. SAFETY INCREASE.
It increases your fleet safety by reducing contingencies on the road and the vehicle unavailability, apart from monitoring driving assistance systems in real time.

HARDWARE

T-COLD

T-DOT

T-VOD

T-VOD LITE

OTHER DEVICES

- Bluetooth temperature/ temperature & humidity/ temperature, humidity & light sensor
- Temperature and humidity sensors by cable
- Inductive sensor
- Door opening sensor
- Light sensor
- i-Button
- Trailer ID
- TPMS. Tyre pressure and temperature sensor

HARDWARE

T-DOT

Telematics-Diagnostics Onboard Trailer. Telematic unit specially designed for trailer. It is a sealed unit (IP 67), equipped with diagnostics options on EBS systems and cooling systems. Among the connectivity options are GSM/GPRS, Bluetooth and CAN. It also has interfaces for diagnostics through CAN, RS-232 and K-line.
It has internal battery to not lose data and maintain the connection with the server when disconnecting the trailer.

T-VOD

Telematics Vehicle Onboard Diagnostics. Combined telematic and diagnostic unit on-board for commercial vehicles, which allows locate and perform remotely diagnostic sessions. Connected to the diagnostic socket (OBD connector), the system can interact with the Control Units (ECU) present in the vehicle installed to request the relevant data of the different systems without any need to go through the workshop.

T-COLD

Telematics-Thermograph Solutions. Thermograph approved by Jaltest Telematics is in charge of measuring and recording the temperature in refrigerated vehicles dedicated to the transport of perishable goods and products oriented to human consumption. Its installation is compulsory to demonstrate the cold chain legal compliance.

T-VOD LITE

TVOD Lite, sealed telematics unit that locates, allows the tachograph download and gives information about the vehicle status with a simple installation, and with maximum guarantees. Among the connectivity options, GSM/GPRS, Bluetooth and CAN can be highlighted. It has an internal battery and enables the configuration of analogue and/or digital inputs to control specific indicators.

SOLUTIONS

CONNECT SOLUTIONS

CLOUD SOLUTIONS

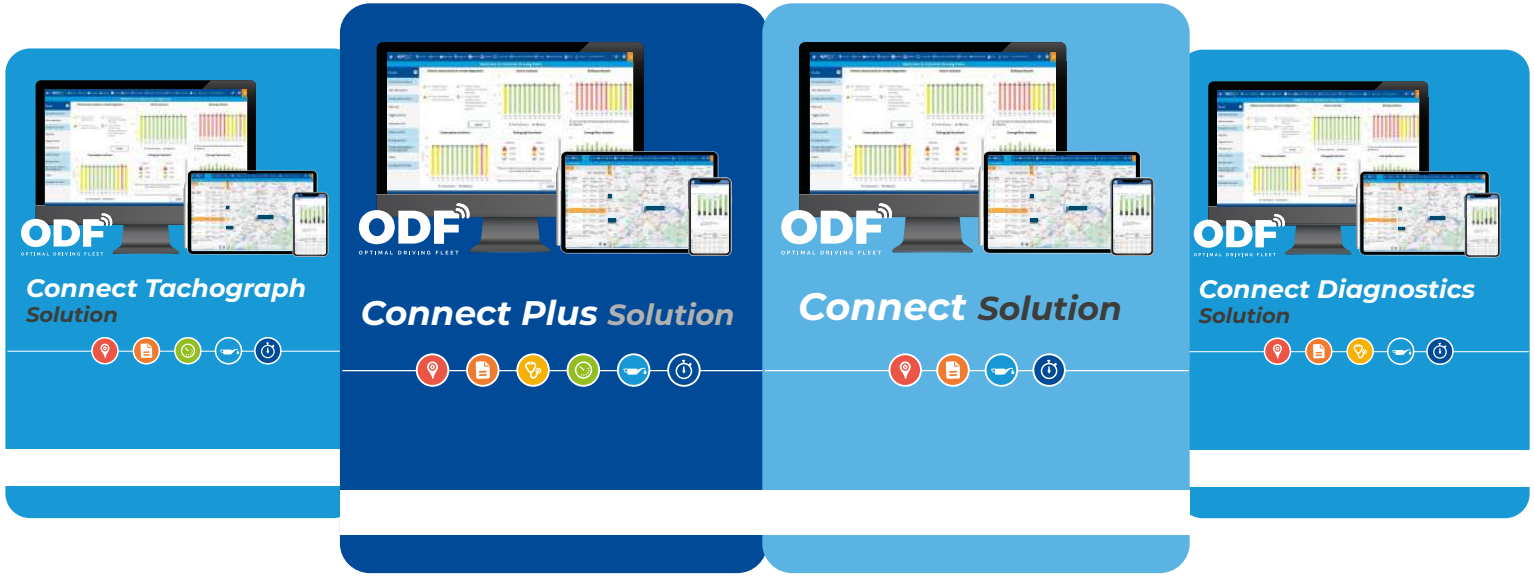
CONNECT AND CLOUD SOLUTIONS FOR TRAILER

HARDWARE AND SOFTWARE SOLUTIONS, CUSTOMISED FOR EACH CLIENT

SOLUTIONS FOR FLEETS

CONNECT SOLUTIONS

ODF solutions for fleets oriented to all segments and verticals that offer, in a modular way, services such as Location, Reports, Remote Diagnostics, Remote tachograph download, Maintenance, or Alarms, among other services.



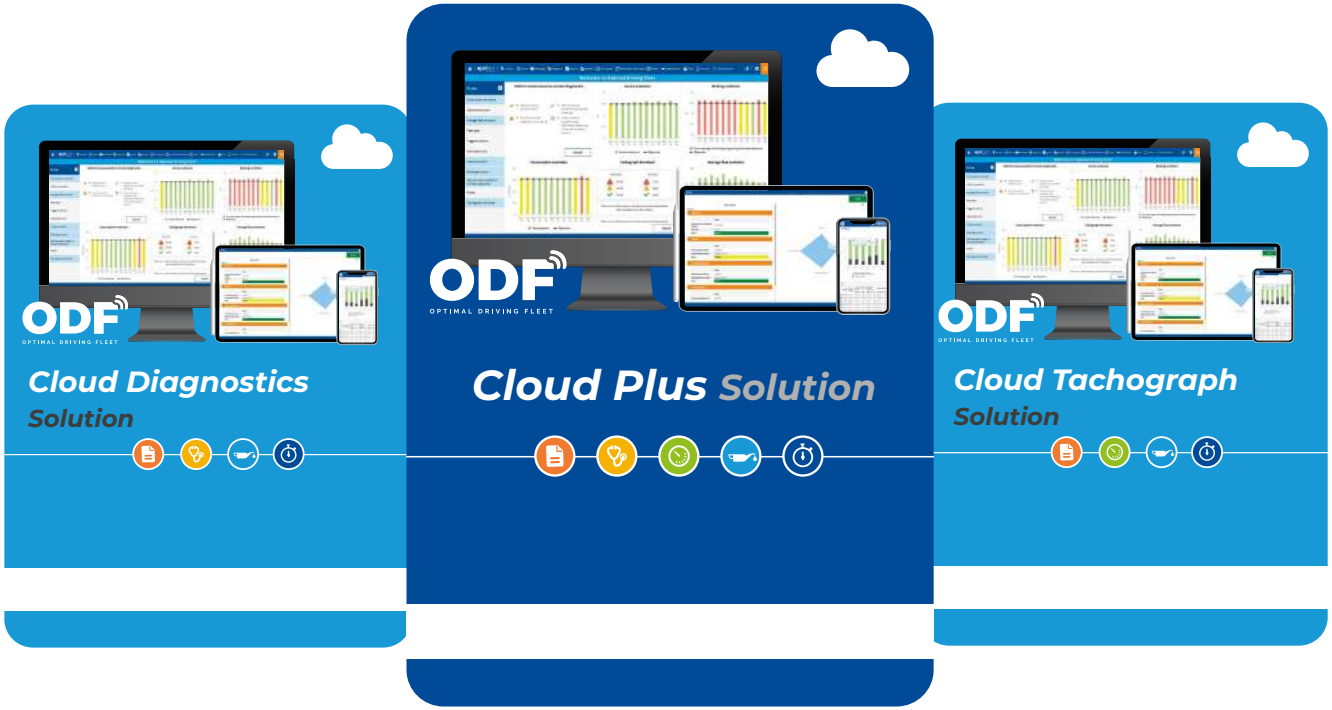
Location · Reports · Diagnostics · Tachograph · Maintenance · Alarms

Optional additional modules: Predictive · Cold/Cold Plus+ · i-Button · Trailer ID · Geo Box · Tyres

SOLUTIONS FOR FLEETS

CLOUD SOLUTIONS

ODF solutions for fleets oriented to all segments and verticals that offer, in a modular way, services such as Reports, Remote Diagnostics, Connection to the cooling unit, Remote tachograph download, Maintenance, or Alarms, in addition to other services. Ideal alarms to integrate with previous location systems, previously acquired and implemented in the client company.



Location · Reports · Diagnostics · Tachograph · Maintenance · Alarms

Optional additional modules: Predictive · Cold/Cold Plus+ · i-Button · Trailer ID · Geo Box · Tyres

SOLUTIONS FOR TRAILER

CONNECT AND CLOUD SOLUTIONS FOR TRAILER

ODF solutions for trailer, including cooling transport, that offer, in a modular way, services such as Location, Reports, Remote Diagnostics, Connection to the cooling unit, Maintenance or Alarms between other value-added services. Available in connect mode (with location included) and cloud mode (without location included).

Location Reports Diagnostics Tachograph Maintenance Alarms

Optional additional modules: Predictive Cold/Cold Plus+ i-Button Trailer ID Geo Box Tyres

jaltest AGV

From Jaltest Telematics, we develop ad-hoc projects for OEMs and companies of Agricultural sector that require customised solutions adapted to their particular needs.

Our solutions, among other values, allow our customers, through the adapted projects, to:

1. Know the essential information of both the machine and the performed task.
2. Diagnose and read measurements of the machinery in real time remotely.
3. Be able to design, plan and control agricultural seasons.
4. Carry out a comprehensive agronomic management of the holding.

jaltest AGV

COST CONTROL:
It is possible to assess the economic impact that the customer supports, derived from the investment in fuel, raw material, breakdown time, inactivity, etc.

PRECISION AGRICULTURE:
Precise positioning of vehicles. Possibility of integration with sensors to evaluate and study the land, control the crops and other tasks.

INCREASE IN EFFICIENCY:
Having complete data, directly from the tractor and the implement in real time, makes the solutions of our customers, the ideal tool to detect trends and performance levels, being able to take actions in order to increase the efficiency of the machinery.

COMPREHENSIVE CAMPAIGN PLANNING:
Ad-hoc projects will allow us, among others, the grouping of tasks by seasons according to their activity, with the creation of crop plans with different tasks, machinery, products, plots, beyond the needs that the project requires explicitly.

- Based on other projects, we develop solutions so that they can plan the task management: Control of data generated by the task controller, including performance data, task management and prescription maps.
- Worker control: Management of tasks according to their status (completed, in progress, stopped and planned), thus allowing a better planning and control of the tasks to be performed and the workers.
- Management of machinery and material: Control of machinery, including complements and materials in order to get a better task management, allowing to associate them to the different tasks and control the availability of each of them at all times.
- Management of customers, plots and fields: These projects allow us, among others, to add different customers and associate them with their respective plots or farms, by defining their limits in an interactive map and storing them quickly and easily in future tasks.

DIAGNOSIS:
The platform allows you to distinguish vehicles with detected errors and carry out processes such as:
- Error clearance
- Remove regeneration of the particulate filter.

MINIMIZING REPAIR TIMES:
Through our diagnostic cloud solutions, our customers have access to the workshop module. This does not only permit breakdowns to be predicted, but also to be solved quickly thanks to the proactive maintenance. In this way, the workshop is able to make a remote diagnosis of the machinery and, thus, detect the breakdown at the exact moment. In this way, it is possible to prepare the part or the necessary repair tool efficiently, bringing savings in the farm trip and having the machine in optimal conditions to the farm trip.

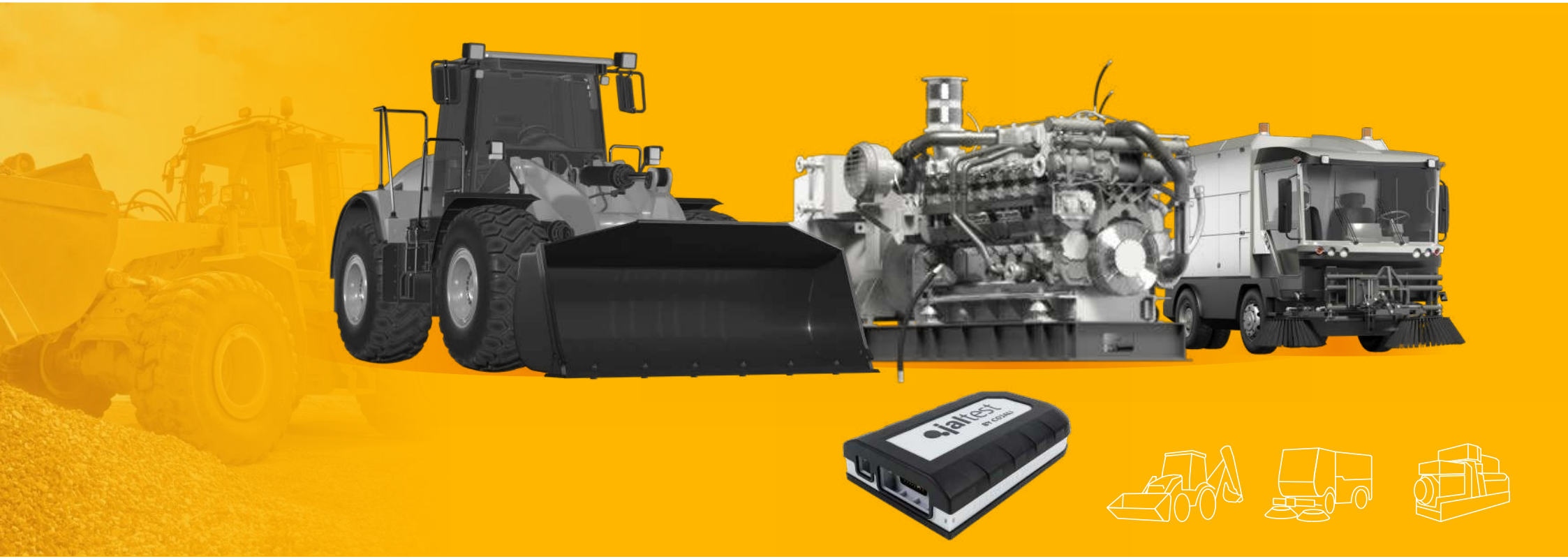
PREDICTIVE:
Estimation of the useful life time of a system, a component or set of components, based on the information record of the vehicle.
Possibility of creating slots for each maintenance action and preventing possible breakdowns.

jaltest OHW

From Jaltest Telematics, we develop ad-hoc projects for OEMs and companies of construction sector that require customised solutions adapted to their particular needs.

Our solutions, among other values, allow our customers, through the adapted projects, to:

1. Know the location of their assets and the performed tasks.
2. Control the operations and follow up.
3. Manage the fleet on real data in real time.
4. Diagnose and read measurements of the machinery remotely.



jaltest OHW

LOCATION:
- Locate a machine or follow the transfer of the equipment for a period of time.
- Alarms of security limits, check the equipment working area.

TIMES:
- Reduction in idle times.
- Working Time.
- Compare uses between different equipment.

AT JALTEST TELEMATICS WE DESIGN AD-HOC PROJECTS FOR OEMS AND COMPANIES WITH OHW FLEETS

FUEL:
Control the daily fuel use form your fleet or workgroups. Send fuel trucks at the right time.

PREDICTIVE:
Estimation of the useful life time of a system, a component or set of components, based on the information record of the vehicle.
Possibility of creating slots for each maintenance action and preventing possible breakdowns.

CLOUD DIAGNOSTICS:
Check of the machinery error codes after use it. Stop of the machine operation before a possible breakdown.
The platform allows you to distinguish vehicles with detected errors and carry out processes such as:
- Error clearance.
- Remote regeneration of the particulate filter.

EFFICIENCY:
Check of the workload and vehicle coordination: It allows you to relate the different vehicles associated with a specific activity and check the workload of each one of them in the performance of that activity.

FLEET HEALTH CHECK:
- Monitors all your machines on a single screen.
- Engine speed control and other essential parameters for the exhaustive monitoring of the machinery state.

MAINTENANCE:
- Create and manage workshop tasks.
- Reception and work order management.
- Predictive maintenance.

cojali

700
WORKERS

+115
COUNTRIES

COJALI.
INTERNATIONAL
PRESENCE

Cojali is a Spanish multinational company and a leading manufacturer of cooling systems, braking systems, electronic components, multibrand diagnostics and telematics for commercial vehicles, agricultural equipment, construction machinery, Material Handling Equipment and marine vessels.

Established in 1991, Cojali focuses on research, development and innovation for commercial vehicles in the aftermarket, offering high quality products just as the OEM.

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FRANCE ITALY USA

SALES OFFICES

RUSSIA GERMANY MEXICO TURKEY

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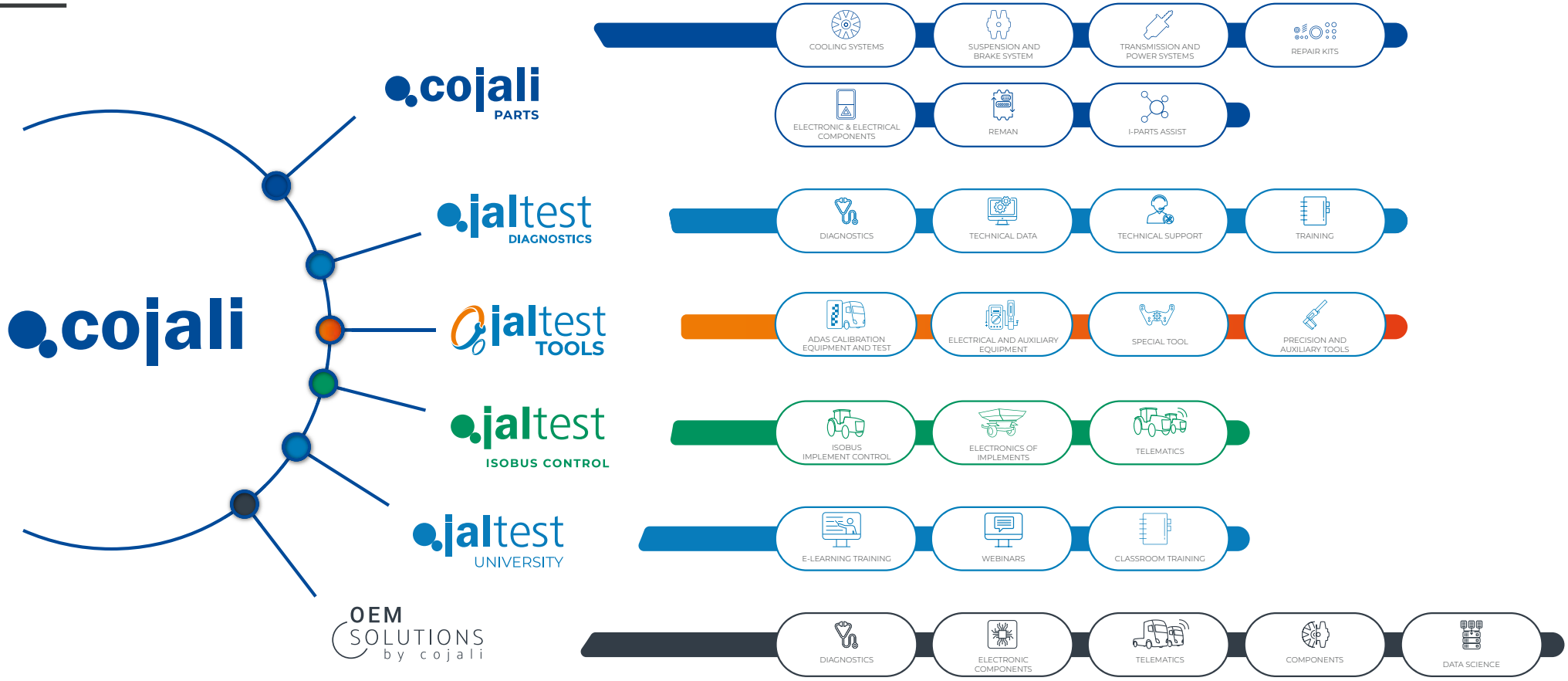
cojali
cojali PARTS
COOLING SYSTEMS
SUSPENSION AND BRAKE SYSTEM
TRANSMISSION AND POWER SYSTEMS
REPAIR KITS
ELECTRONIC & ELECTRICAL COMPONENTS
REMAN
I-PARTS ASSIST
jaltest DIAGNOSTICS
DIAGNOSTICS
TECHNICAL DATA
TECHNICAL SUPPORT
TRAINING
jaltest TOOLS
ADAS CALIBRATION EQUIPMENT AND TEST
ELECTRICAL AND AUXILIARY EQUIPMENT
SPECIAL TOOL
PRECISION AND AUXILIARY TOOLS
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ISOBUS IMPLEMENT CONTROL
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HEAD OFFICE

National

Tel.: +34 926 589 038

atencionalcliente@cojali.com

International

Tel.: +34 926 270 621

customerservice@jaltest.com

CLICK TO CONTACT US