

DIAGNOSTICS, TELEMATICS & TOOLS

● jaltest OHW

CATALOGUE



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LEADING DIAGNOSTICS &
TECHNICAL SOLUTIONS

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COJALI





JALTEST OHW //

Jaltest OHW is a Multibrand and Multisystem diagnostics tool developed to perform the most advanced construction machinery, equipment diagnostics and maintenance tasks in an easy and intuitive way.

Jaltest is not limited to reading error codes on machine systems, it also features bi-directional controls and guided troubleshooting.

Jaltest after-sales support is focused to deliver professional services to the workshop through:

1. Technical Assistance.
2. Training & e-Learning.
3. Specialised Customer Support.

NEW LINK V9 //

FASTER CONNECTION RATE (BAUD RATE).

Improved performance and communication with a speed increase in the data transfer and processing, both in VCI-PC and VCI-system.

USB AND SUBD26 CONNECTOR PROTECTION (POKA YOKE MODEL).

Protection and integrity of the connectors that have a mistake-proofing design.

ROBUST ELECTRONICS AND ENHANCED COMMUNICATION CAPABILITIES.

Greater connectivity, new supported communication protocols and extended multiplexor.

IMPACT ABSORPTION.

Design with a rugged covering that cushions small bumps, protects against scratches and enables the seal closure of the device, preventing the inlet of dirt and water (IP40).

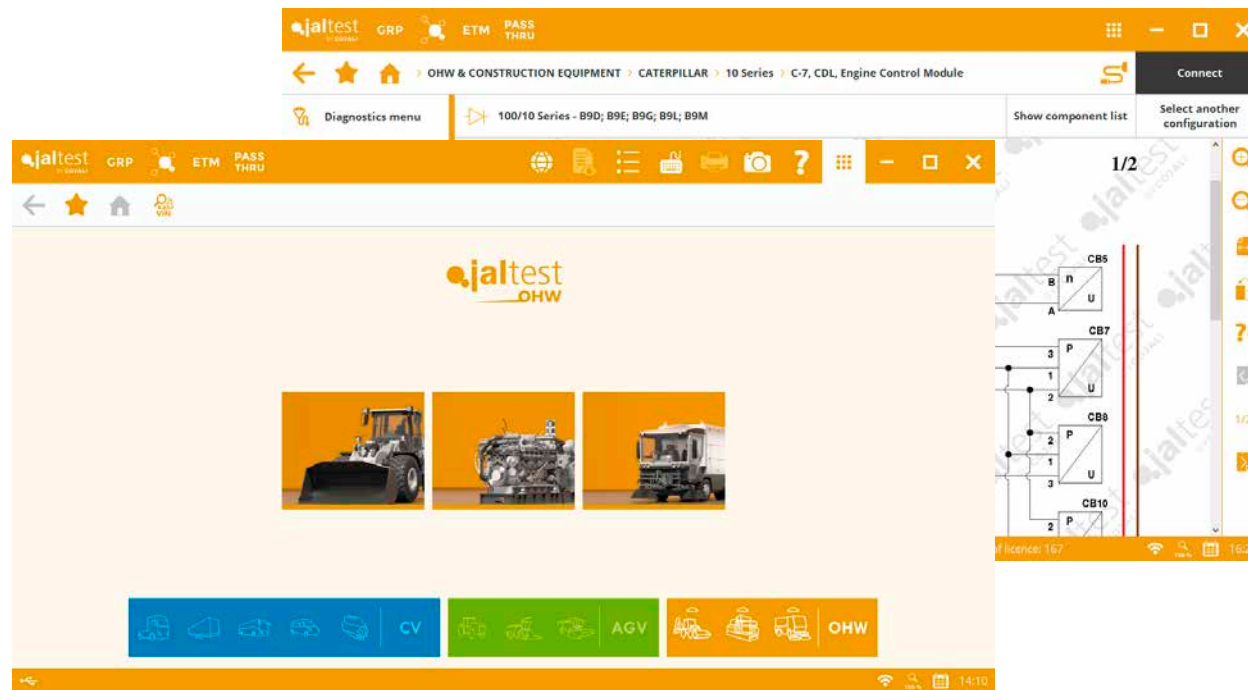
COMPACT AND LIGHT.

Reduced weight, Jaltest V9 is 76% lighter than its predecessor. It offers the possibility of attaching a lanyard to facilitate the use of the device.



LIGHTER,
FASTER,
BETTER

NEW GRAPHIC INTERFACE //



MORE VISUAL,
MORE INTUITIVE

FAST INSTALLATION AND HANDLING.

Optimised software to reduce the installation and update time, as well as a shorter response time.

CUSTOMISABLE.

Responsive design that adapts to all screen types and sizes. It enables the user to configure the shortcuts, customise the working area and define the visualisation according to the user needs.

EVERYTHING IN ONE SINGLE DISPLAY.

It offers the user all the information they needed one single display. It enables them to visualise the maximum number of functions, make a search, etc.

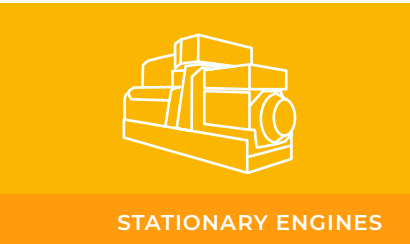
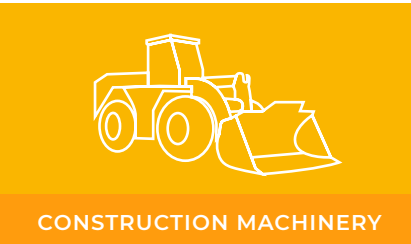
ELEGANT DESIGN WITH BRIGHTER COLOURS.

Clean, minimalist and elegant design to favour the visualisation of graphics, icons and colours.

MULTIBRAND AND MULTISYSTEM COVERAGE

Jaltest OHW is the benchmark in the construction machinery sector due to its great advantages and possibilities to be able to perform an effective diagnosis.

Following the functionalities of the rest of Jaltest modules, this version is completed with a great coverage of brands, systems and technical information, as well as a wide range of cables to make a direct connection.

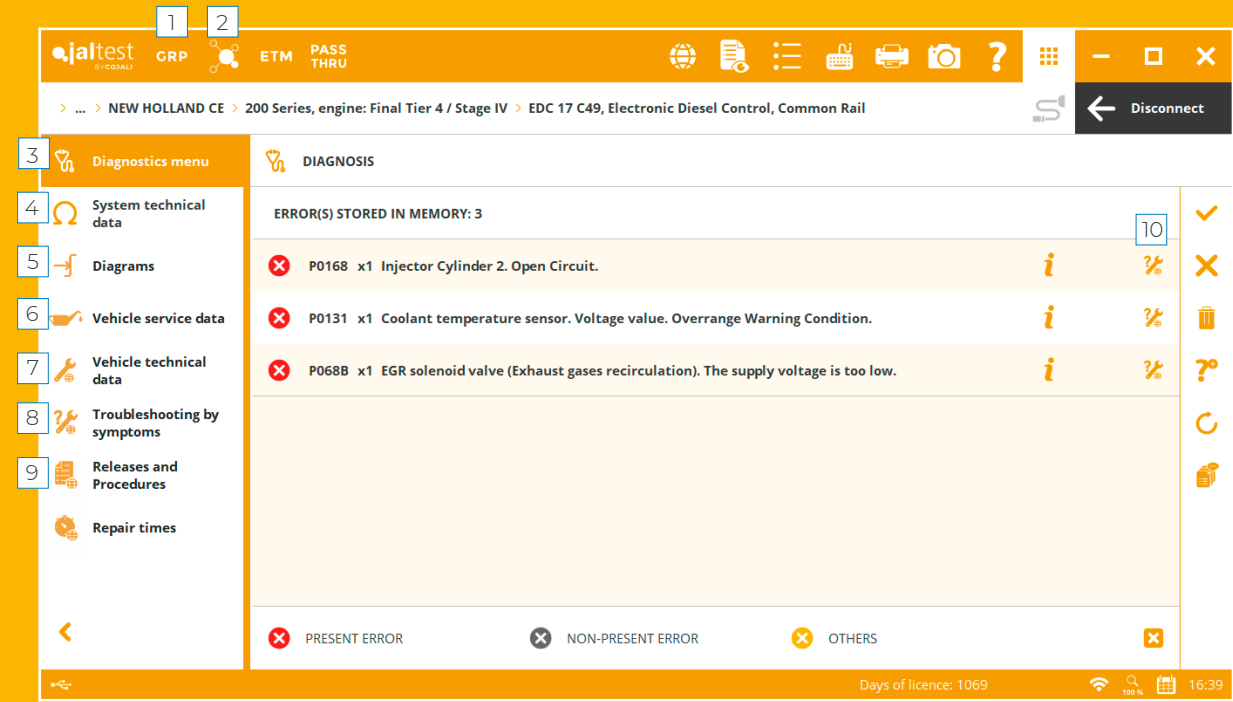


Jaltest unparalleled OHW diagnostics coverage sets up an industry leadership with the most extensive and detailed coverage. Functionalities and new brands are included in updates scheduled every 4 months using flexible and market-oriented focus.

| COVERAGE // UP TO 110 BRANDS | | |
|------------------------------|------------|----------------|
| BOBCAT | GROVE | KOMATSU |
| CASE CE | HITACHI | LIEBHERR |
| CATERPILLAR | JCB | NEW HOLLAND CE |
| DOOSAN | JOHN DEERE | VOLVO CE |

MORE THAN DIAGNOSTICS

With Jaltest, technicians will have access to a wide range of functionalities which will guide them through the machine repair process:



This are some of the features that make Jaltest the Industry’s Leading Diagnostics tool:

1. GRP (Garage Resource Planning). Workshop and Customer/Machine Record Management.

2. i-PARTS ASSIST. Cross-referencing platform. Installation guides.

3. Diagnostics Menu.

4. System Technical Data.
5. Wiring diagrams, and fuses and relay boxes.

6. Vehicle Service Data.

7. Vehicle Technical Information.

8. Troubleshooting Guides by symptoms.

9. Technical Releases.

10. Troubleshooting Guides by Fault Codes.

SOFTWARE //

GUIDED DIAGNOSTICS

Jaltest provides the necessary information to repair off-highway machinery breakdowns in an easy and effective way:

1. Component technical data.
2. Wiring, system and fuse diagrams.
3. Machine service data for equipment inspections.
4. Equipment technical data.
5. Troubleshooting by symptoms of the most common failures on the machinery.
6. Releases and procedures with manufacturer information.

JALTEST GUIDES YOU WITH
ADDITIONAL INFORMATION
TO ASSIST IN THE REPAIR
PROCESS

Freeze-Frame data.

Help and components of the error.

Component information and location.

System wiring diagram.

Troubleshooting by symptoms.

Troubleshooting details.

Fault Code Troubleshooting.

TRoubleshooting
Short circuit to ground

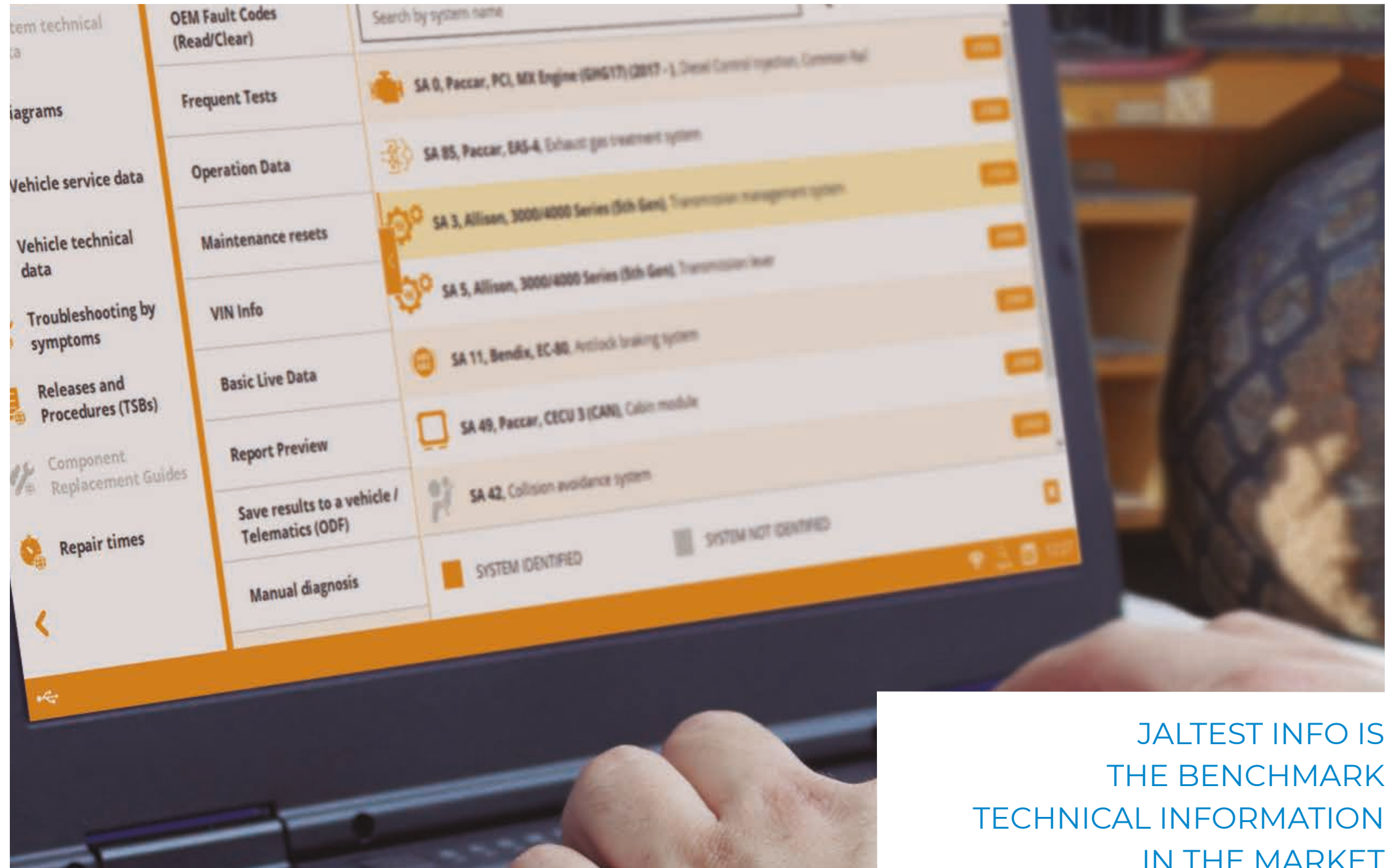
Possible error causes.
On electrical circuits, the electric current circulates through conducting wires (cables). The electrical circuits are closed, and whenever a circuit has been incorrectly closed, something called "short circuit" takes place. For instance, when two wires with no insulation make contact with each other, the circuit is being closed by that contact and a short circuit is taking place.
When a wire is short circuited with a wire to ground, it is called "short circuit to ground or mass"

BEST-IN-CLASS REPAIR GUIDES, ONE CLICK AWAY

JALTEST INFO

Detailed technical information including images, pictograms, graphics, diagrams and pictures for every machine to be diagnosed. This information will help to identify the error code, the part, the location, etc. In this complete module we can find:

1. Diagnostics (troubleshooting by error code).
2. System Technical Data.
3. Diagrams.
4. Vehicle Technical Data.
5. Vehicle Service Data.
6. Troubleshooting by symptoms (diagnostics).
7. Releases and Procedures.
8. Manual Diagnosis.



JALTEST INFO IS
THE BENCHMARK
TECHNICAL INFORMATION
IN THE MARKET

JALTEST DELIVERS RESULTS, AS SOON AS THE MACHINE ENTERS THE WORKSHOP

JALTEST GRP

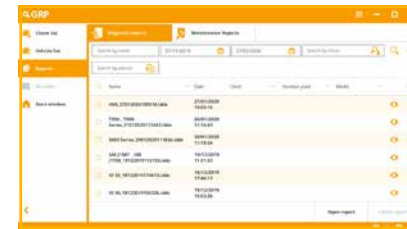
GRP is an optimized workshop management solution. Share customer information, machine data and diagnostic reports, work order management, labor times and access to Jaltest Telematics solutions.

GRP BASIC.

- Client list.
- Reports (diagnosis & maintenance).



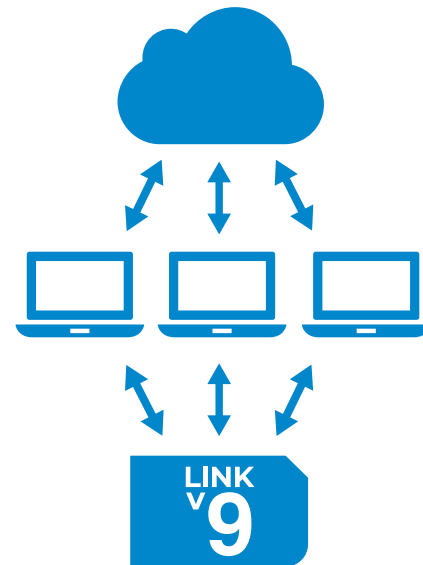
CLIENT LIST.



REPORTS.

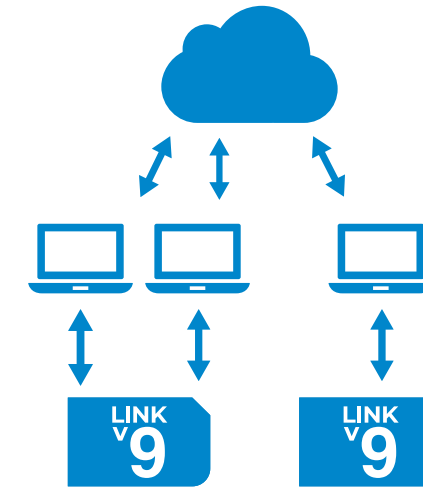
GRP SYNCHRO.

- GRP Basic.
- User accounts control (10 maximum).
- Data synchronisation between multiple PCs (same Jaltest interface).
- Information Back-up.
- Human Resources.



GRP ENTERPRISE.

- GRP Synchro.
- Workshop Management Module.
- Reception Module.
- My Tasks Module.
- Jaltest Telematics Module.
- Data synchronisation between PCs (same company).
- Work order reports.
- User accounts control (unlimited).



GRP NETWORK.

- Access to diagnosis and maintenance reports between multiple workshops inside a network.



GRP MODULES DESCRIPTION:

CLIENT LIST.

Management of customers for a workshop or a network of workshops.

REPORTS.

Management and consultation of all reports generated by Jaltest: diagnosis, maintenance, work order & workshop time.

WORKSHOP MANAGEMENT.

- Work orders.
- Task.
- Workshop time reports.

MY TASK.

Each user can manage the assigned tasks easily by this menu.

RECEPTION.

- Reception forms.
- Work orders management.

HUMAN RESOURCES.

Intended for the management of the workshop's staff.

JALTEST TELEMATICS.

Remote Multibrand Diagnostics & Telematics Solution for earth moving equipment. Connects the equipment with the different players that intervene in the decision-making process and resource optimization.

1. INTERACTIVE WIRING DIAGRAMS.

While navigating over the wiring diagrams, the components are outlined and the technical information including, relevant documents, technical data, comments and location, can be directly accessed.

2. SYSTEM OPERATING DIAGRAM.

Understanding how systems work can be a complex task. Jaltest provides the pneumatic, electrical and fuel schematics with their corresponding technical values, images, locations and much more to speed up the technician's work.

3. SYSTEM DISPLAY.

Real-time live data display on machine schematics. It enables a fast assessment of the functioning of the system.

4. VIRTUAL INSTRUMENTS / GRAPHS.

Visual aid for the technician to check values and understand the actual status of any system available in the machine.

5. MACHINE SYSTEM SCAN (MSS).

This function allows the user to auto-detect the available systems in the selected model. During the Auto-detection, error reading of every available system takes place including their identification data. Later, every error found can be cleaned.



6. FLEET CUSTOMISATION.

This function will allow customizing your fleet. Create new brands specific to your market by selecting the systems included in the machine. Add connectors, location, images and comments.

7. DIAGNOSIS BY NUMBER PLATE.

Once the customers and vehicles portfolio has been created, the access by number plate is fast and easy.

8. SHORTCUT TO SPECIAL FUNCTIONS.

Optimize repair times at the shop with direct access to relevant repair processes.

9. TECHNICAL DATA AND PROCEDURES.

The experience of Cojali's Technical Assistance team has allowed the classification of the most relevant technical data of the machine.

JALTEST EXPERT MODE

Jaltest EXPERT MODE offers advanced diagnostic possibilities for the workshop. With EXPERT MODE, the technician is able to carry out actions that require modifying parameters on diffe-rent ECUs:

- 1. Calibrations of sensors and actuators (VGT actuator, EGR valve, transmission systems, implement, etc).
- 2. Setting of the system operation parameters (coding of injectors, etc.).

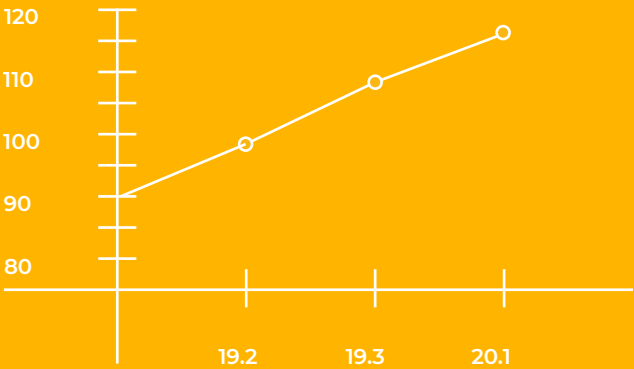
- 3. Configuration of the vehicle maintenance services.
- 4. Verification of systems functionalities.
- 5. Replacement of electronic control units.
- 6. DPF regeneration.
- 7. More...



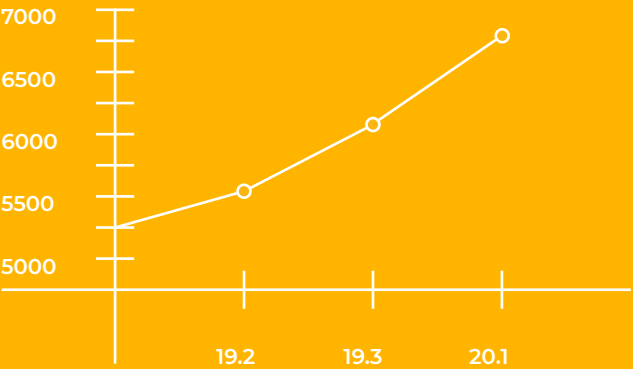
CONSTANT INNOVATION

New machinery, models and systems are being developed constantly. This is why Jaltest OHW releases three software updates each year, offering your business industry-leading diagnostics solutions.

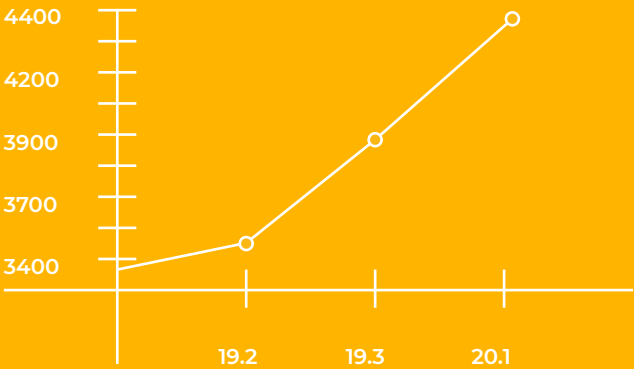
BRANDS



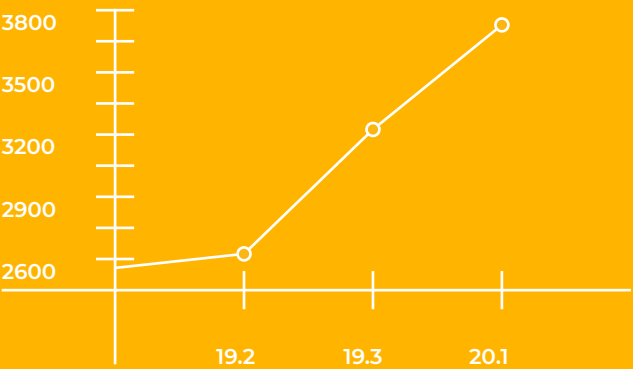
SYSTEMS



TECHNICAL INFO



DIAGRAMS



THREE ANNUAL
SOFTWARE UPDATES

COVERAGE //

OHW MACHINERY

This Jaltest kit has been developed to perform diagnosis in special and construction vehicles such as cranes, excavators, dumpers, stationary engines or street sweepers and road maintenance equipment. With a wide coverage, detailed technical information and step by step repair guides, Jaltest OHW is a one stop solution for any and every workshop.

JALTEST KITS ARE CLASSIFIED
BY SECTOR AND COVERAGE



THIS COMPREHENSIVE COVERAGE MAKES
THIS KIT THE MOST POWERFUL DIAGNOSTICS
UNIT ON THE MARKET

- 1. COVERAGE FOR CONSTRUCTION MACHINERY, STATIONARY ENGINES, STREET SWEEPERS AND MORE.
- 2. ALL COMMUNICATION PROTOCOLS ARE SUPPORTED.
- 3. INTUITIVE AND QUICK SOFTWARE INTERFACE.
- 4. AUTOMATIC DETECTION OF SYSTEMS AND ERROR CODES.
- 5. TROUBLESHOOTING BY SYMPTOMS AND ERRORS HELP.
- 6. INTEGRATED TECHNICAL INFORMATION, WIRING DIAGRAMS, TECHNICAL DOCUMENTS...
- 7. SCHEDULED UPDATES AND LATEST DEVELOPMENT IMPLEMENTATIONS.
- 8. CALL-CENTER FOR TECHNICAL AND PRODUCT SUPPORT.
- 9. TRAINING & E-LEARNING.
- 10. I-PARTS ASSIST. CROSS-REFERENCING PLATFORM. INSTALLATION GUIDES.
- 11. GRP - GARAGE RESOURCE PLANNING.
- 12. MACHINE BRAND CUSTOMISATION.



CV
COMMERCIAL



AGV
AGRICULTURAL



OHV
OFF-HIGHWAY

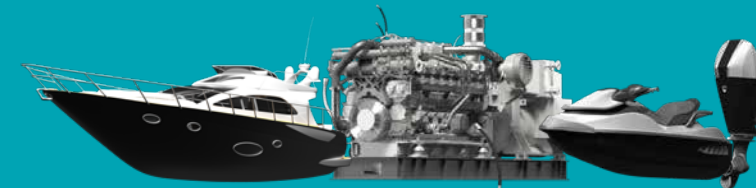


JALTEST KITS

Jaltest Diagnostics offers unparalleled diagnostics and technical solutions for a wide range of industry professionals.

With our diagnostics kits, our customers are able to keep trucks on the road, tractors on the field, machines at the construction site and boats on the water, while minimising downtime and maximising revenue for their business.

marine
VESSELS



HARDWARE //

All Jaltest products have been designed to meet the demands and needs of the workshop mechanics and the most demanding road assistance needs. They are designed and built to face any extreme work or weather conditions.

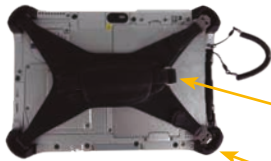
JALTEST RUGGED PC.

- Windows 10 Pro.
- Exclusive design that improves resistance.
- MIL-STD 810G category certification.
- Liquidresistant keyboard/ touchpad.



JALTEST RUGGED PAD.

- 10" Rugged Tablet with Windows 10 Pro.
- Daylight-readable Display with Gloved Multi Touch + waterproof digitizer pen.
- User-replaceable Battery and Optional Long-Life Battery.



Accessories included.

Hand Strap.

Corner Guards.

JALTEST HARDWARE SOLUTIONS.

The tool's heartbeat, programmed to convey information with all communication protocols in a quick and efficient way.

LINK V9



CABLES



JALTEST ACCESSORIES.

Additional equipment offered to the workshop in order to perform their daily tasks in an easier and more comfortable way.

WORKSTATION



HARDCASE



SERVICES //

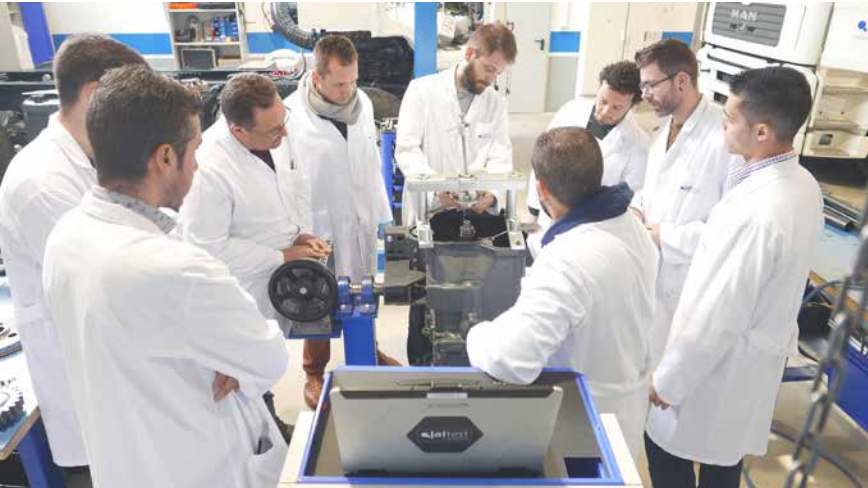
THE CHANCE TO TURN YOUR WORKSHOP INTO A TECHNOLOGICAL CENTRE IS IN YOUR HANDS

TRAINING

To perform diagnostics, repair or maintenance tasks, today's technicians do not only require mechanical knowledge. Today, new vehicles with new electronic systems demand a continuous training turning our skills into a great working tool, in order to deal with any kind of vehicle as new as it may be.

For this reason, Cojali has created an exhaustive training plan, comprising both theory and practice. This training plan is multilanguage and it may be taught in Cojali's training classrooms or in any other location. Moreover, it has been designed with an e-learning format to follow the course on-line from any place.

COURSES



- DIAGNOSTICS
- ELECTRICS
- PNEUMATICS
- ENGINE MANAGEMENT
- GEARBOX
- COMFORT SYSTEMS
- BRANDS
- TRAILER
- LIGHT COMMERCIAL
- AGRICULTURAL VEHICLES
- JALTEST SPECIALIST
- SYSTEM SPECIFIC



TECHNICAL ASSISTANCE

This kind of support is essential to solve certain vehicle breakdowns. Technological developments require the technician to update their knowledge regularly. Cojali offers a specialised support based on the experience of our top mechanics and the development of technical information for all vehicles.

Jaltest customers worldwide continue to trust with our specialised technical assistance service; this service includes the possibility of remote assistance connections to solve our customers' doubts, immediately.

CUSTOMER SERVICE

- A human team will be at your service to offer all the information about Jaltest you may need.
1. Software Update and Innovations.
 2. Update release calendar information.
 3. Device license management.
 4. New products, hardware and software.
 5. Special offers and promotions.
 6. Invoices and purchase orders.
 7. Shipping management.

DIAGNOSIS CENTRE

COJALI //

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 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.



COJALI PRODUCTS

COOLING SYSTEMS.

Cojali is a leading manufacturer of fans and viscous fan clutches for all types of commercial, agricultural equipment and off-highway machinery. Our catalogue offers a wide range of brands in the European, Asian and North American markets.



BRAKING SYSTEMS.

Cojali manufactures one of the widest ranges of braking systems for commercial and agricultural applications, among which we can find mechanic, pneumatic and electronic systems, such as clutch servos, actuators and other types of valves.



ELECTRONIC & ELECTRICAL COMPONENTS.

A constant growth within our R+D+i Department allows Cojali to keep investing in the development of this type of product, where electronics covers a large part of the spare part for commercial vehicles and agricultural equipment.



RECONDITIONED PRODUCTS.

Reconditioning of elements with electronic control, subject to strict quality controls. It is a complex and thorough process, since all the part components that might be worn are replaced by new ones, in addition to the renewal of the electronic part and the subsequent reprogramming or parameter setting, depending on each case.





JALTEST TOOLS

New range of Jaltest Tools products designed to supply the workshop with a high-quality professional equipment and consistent with the current digital technology.

Combined with Jaltest, the leading multibrand diagnostics tool, it will provide new business opportunities and a simple and guaranteed service for the end customer.

This new ecosystem of solutions will facilitate the most advanced diagnostics tasks and maintenance of the vehicle and machinery, in a simple and intuitive way, not only at the software level, but also at the manual and tasks check level.

1. ADAS calibration equipment.
2. Electronic Simulation Benches.
3. Special repair tools.
4. Electronic equipment.





i-Parts ASSIST

i-Parts ASSIST, is Cojali's latest Parts Support Program aimed towards the workshop.

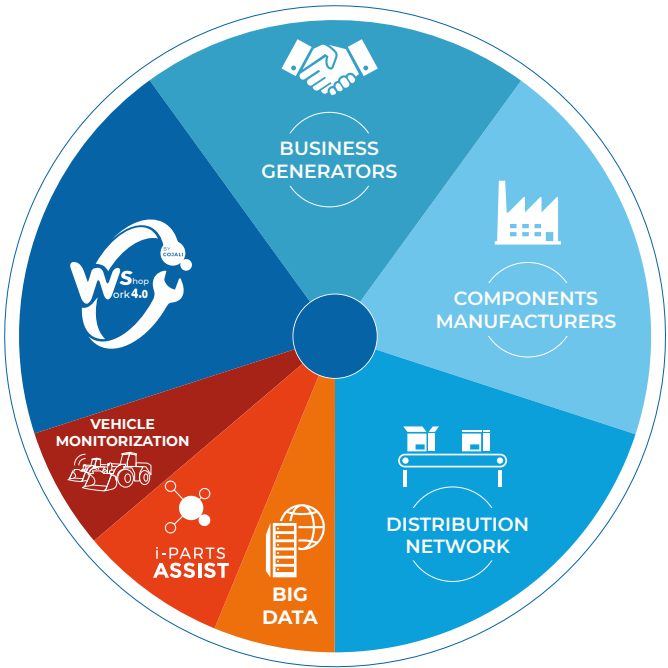
Through a series of guides and video tutorials, the workshop is capable of easily carrying out the installation of components that may require reprogramming or the use of diagnostics tools.



WORKSHOP 4.0

A set of solutions and services that connects workshops, fleets and spare parts supplier in order to perform predictive maintenance and a professional, fast and efficient repair through Jaltest diagnostic tools, Telematics and Cloud Diagnostics, and latest generation components for commercial vehicles.

Workshop 4.0. is distinguished by offering Training services, Vehicle Fix support, Consulting and Support for the installation and reprogramming of components (i-Parts ASSIST).



JALTEST TELEMATICS OHW








TELEMATICS, CLOUD DIAGNOSTICS AND MACHINERY MANAGEMENT. A SOLUTION FOR EVERYTHING

Jaltest Telematics defines a new concept in the market that improves any current solution by adding technical information obtained directly from the vehicles.

Jaltest Telematics is aimed towards the optimization of fleet efficiency, by reducing the number of breakdowns, measuring the main indicators to support the decision-making process, and providing the necessary information to the users in each role.

- 1. Cloud Diagnostics.
- 2. Real time fleet health-check.
- 3. Breakdown time reduction.
- 4. ROI optimization.
- 5. Proactive Workshop.



-  **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.
-  **CLOUD DIAGNOSTICS:**
Check the machine error codes every time you use it. Stop the machine before the breakdown.
-  **FLEET HEALTH CHECK:**
Monitors all your machines on a single screen.
-  **MAINTENANCE:**
Create and manage workshop tasks. Reception and work order management.
-  **TIMES:**
Idle times or working time. Compare uses between different equipment.
-  **EFFICIENCY:**
Group machines and monitor the working coupling factor. Identify equipment below capacity.
-  **FUEL:**
Control the daily fuel use form your fleet or workgroups. Send fuel trucks at the right time.


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

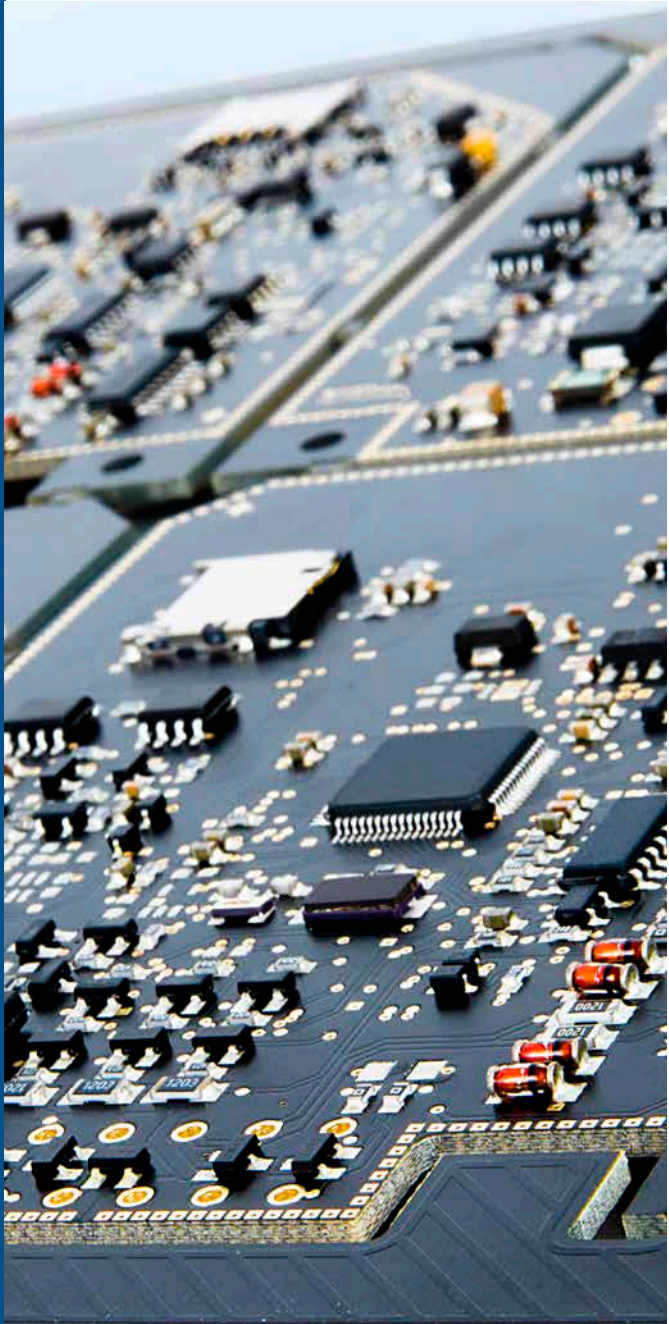
OEM. SOLUTIONS by cojali

Cojali is not only a manufacturer for the independent after-market, but also an OEM-level solution provider.

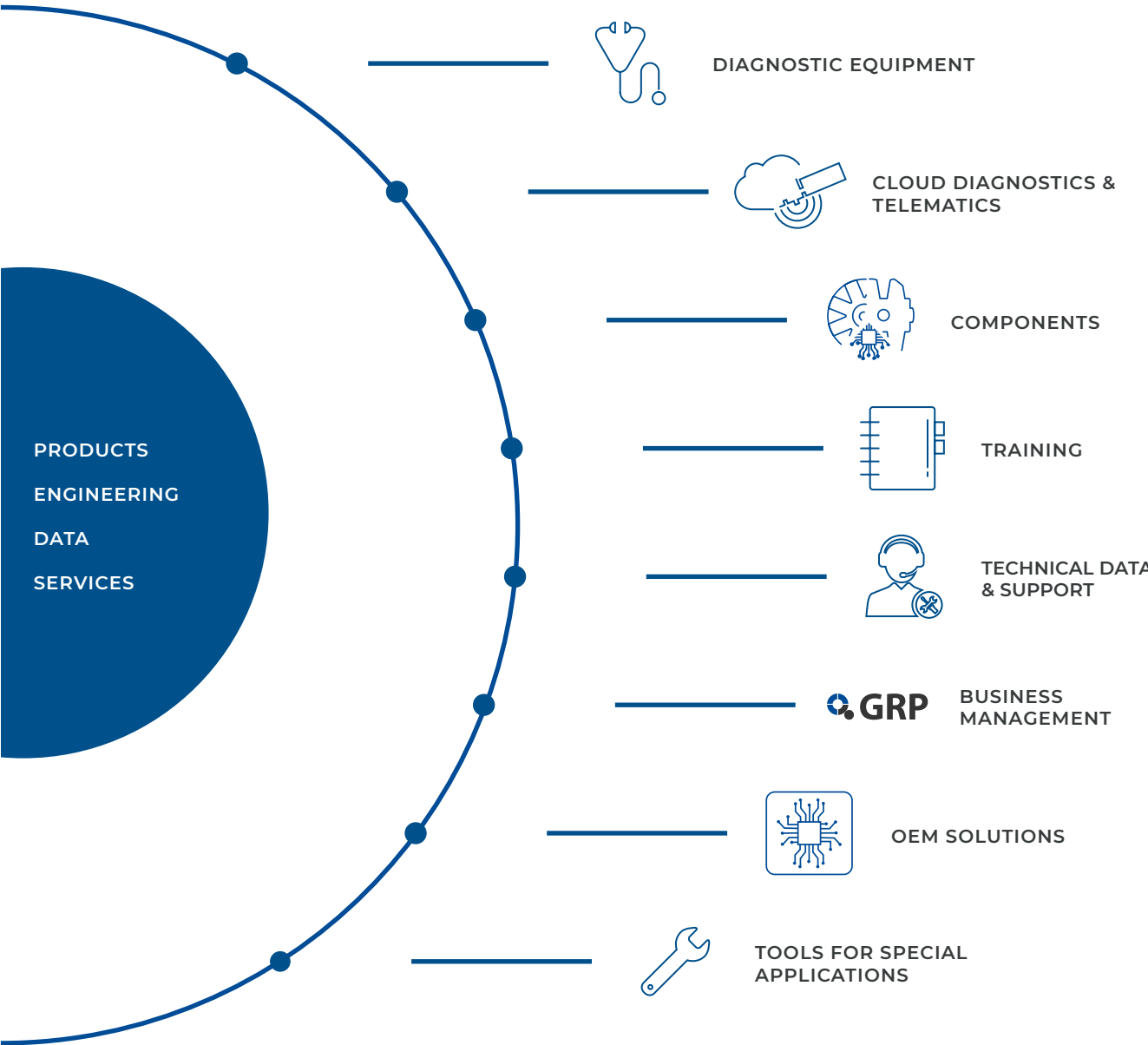
Thanks to a vast experience in the manufacturing of high-quality products, industry-leading and independent multibrand diagnostics and new technologies for fleet management, Cojali is a sure bet to provide solutions for leading vehicle and system manufacturers.

TAILORED HARDWARE & SOFTWARE SOLUTIONS FOR MANUFACTURERS

-  **DIAGNOSTICS**
-  **TELEMATICS**
-  **ELECTRONICS**
-  **COMPONENTS**



COJALI. WE MEET ALL YOUR BUSINESS NEEDS





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Local distributor