DIAGNOSTICS, TELEMATICS & TOOLS

# jaltest marine

CATALOGUE

CV   AGV   OHW   marine   ISOBUS CONTROL   TOOLS

jaltest BYCOJALI

# INDEX //

# JALTEST MARINE //

Jaltest Marine is a Mutibrand and Multisystem diagnostics tool developed to perform the most advanced vessel diagnostics and maintenance tasks in an easy and intuitive way.

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

Jaltest after-sales support is focused to deliver professional services to the nautical companies 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).
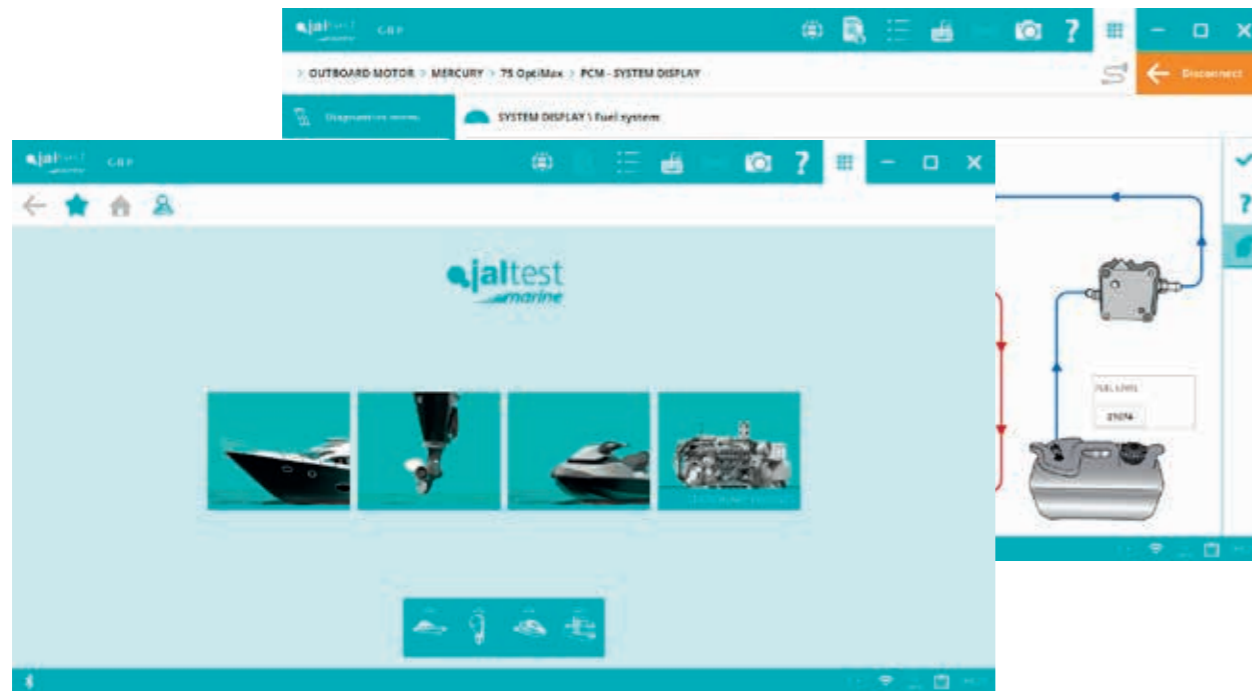
**COMPACT AND LIGHT.**
Reduced weight, Jaltest V9 is 76% lighter than its predecessor. It offers the possibility of attaching a lanyard to facilitate the use of the device.

**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 to respond rapidly in all processes.

**CUSTOMISABLE.**
Responsive design for all screen types and sizes. It enables 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 need in one single display. It enables to visualise the maximum number of functions, make a search, etc.
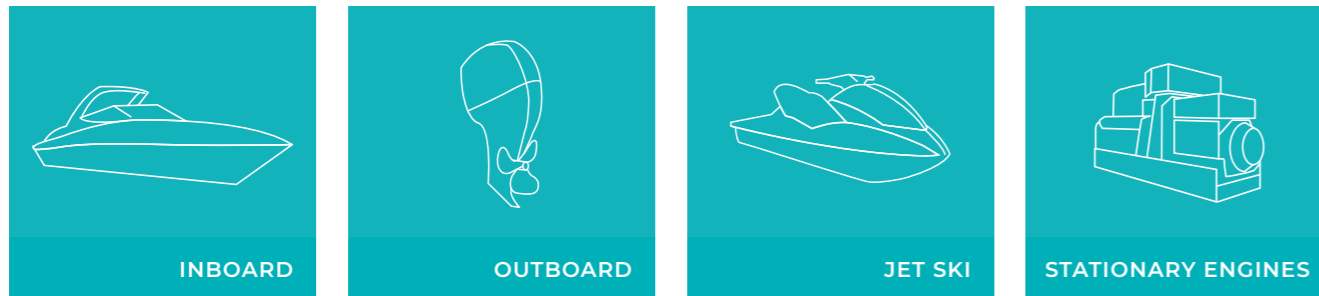
**ELEGANT DESIGN WITH BRIGHTER COLOURS.**
Clean, minimalist and elegant design to favour the visualisation of graphics, icons and colours.

# MULTIBRAND AND MULTISYSTEM COVERAGE

Jaltest Marine is a benchmark in the marine equipment sector due to its great advantages and possibilities to be able to perform an effective diagnosis in vessels.
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.
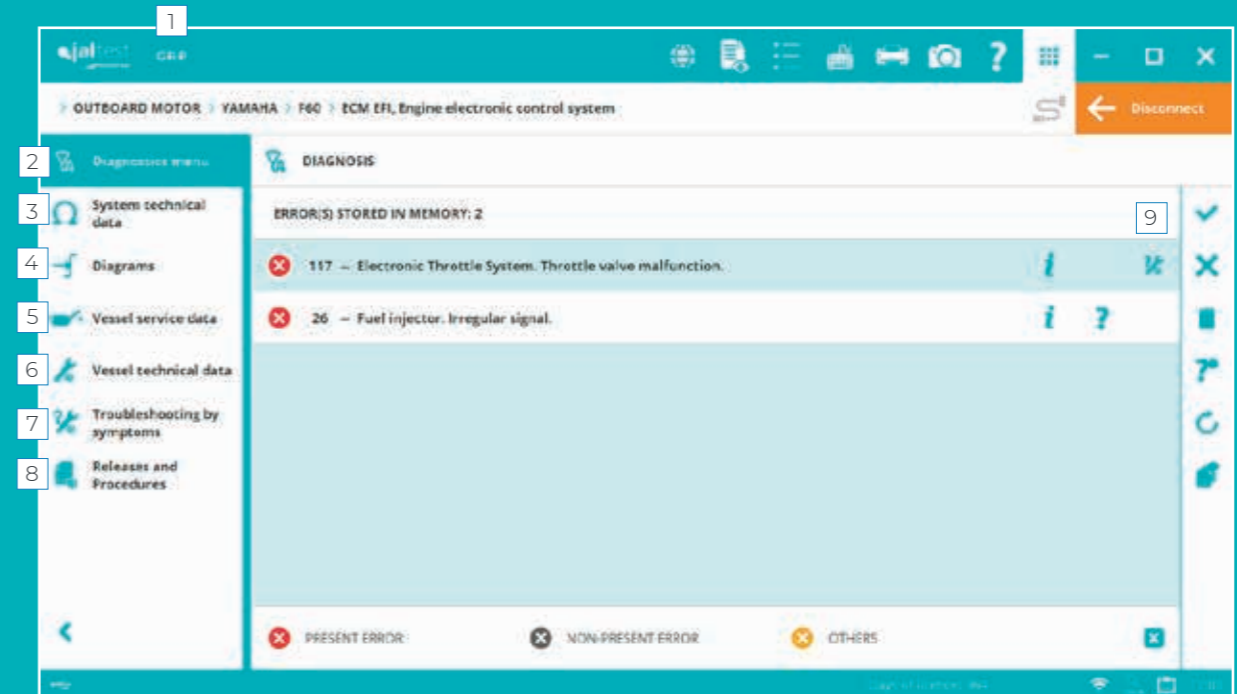
| INBOARD | OUTBOARD | JET SKI | STATIONARY ENGINES |
|---|---|---|---|

Jaltest unparalleled Marine diagnostics coverage set up an industry leardership with the most extensive and detailed coverage. Functionalities and new brand are added in scheduled updated every 4 months utilizing flexible and market oriented focus.

## COVERAGE // UP TO 63 BRANDS

| | | | |
|---|---|---|---|
| CATERPILLAR | KAWASAKI | PCM | VM MOTORI |
| CRUSADER | MARINER | SEA-DOO (BRP) | VOLVO PENTA |
| CUMMINS | MERCURY MerCruiser | STEYR | WEBER |
| EVINDURE | MERCURY Racing | SUZUKI | YAMAHA |
| HONDA | MTU | TOHATSU | YANMAR |

# MORE THAN DIAGNOSTICS

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



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

1. **GRP** (Garage Resource Planning). Nautical workshop and Customer/Vessel Record Management.
2. **Diagnostics Menu.**
3. **System Technical Data.**
4. **Wiring diagrams, and fuses and relay boxes.**
5. **Vessel Service Data.**
6. **Vessel Technical Data.**
7. **Troubleshooting Guides by symptoms.**
8. **Releases and Procedures.**
9. **Troubleshooting Guides by Fault Codes.**

# SOFTWARE //

## GUIDED DIAGNOSTICS

Jaltest provides the necessary information to repair vessel breakdowns in an easy and effective way:

1. Component technical data.
2. Wiring, system and fuse diagrams.
3. Vessel services data for vessel inspections.
4. Vessel technical data.
5. Troubleshooting by symptoms of the most common failures on the vessels.
6. Releases and procedures with manufacturer information.
7. Repair times.

## JALTEST PROVIDES AN UNPARALLELED AMOUNT OF ADDITIONAL HELP FOR TECHNICIANS

Live data from wiring diagram components

Component information and location

Help and components of the error

Freeze-Frame data

Troubleshooting technical releases
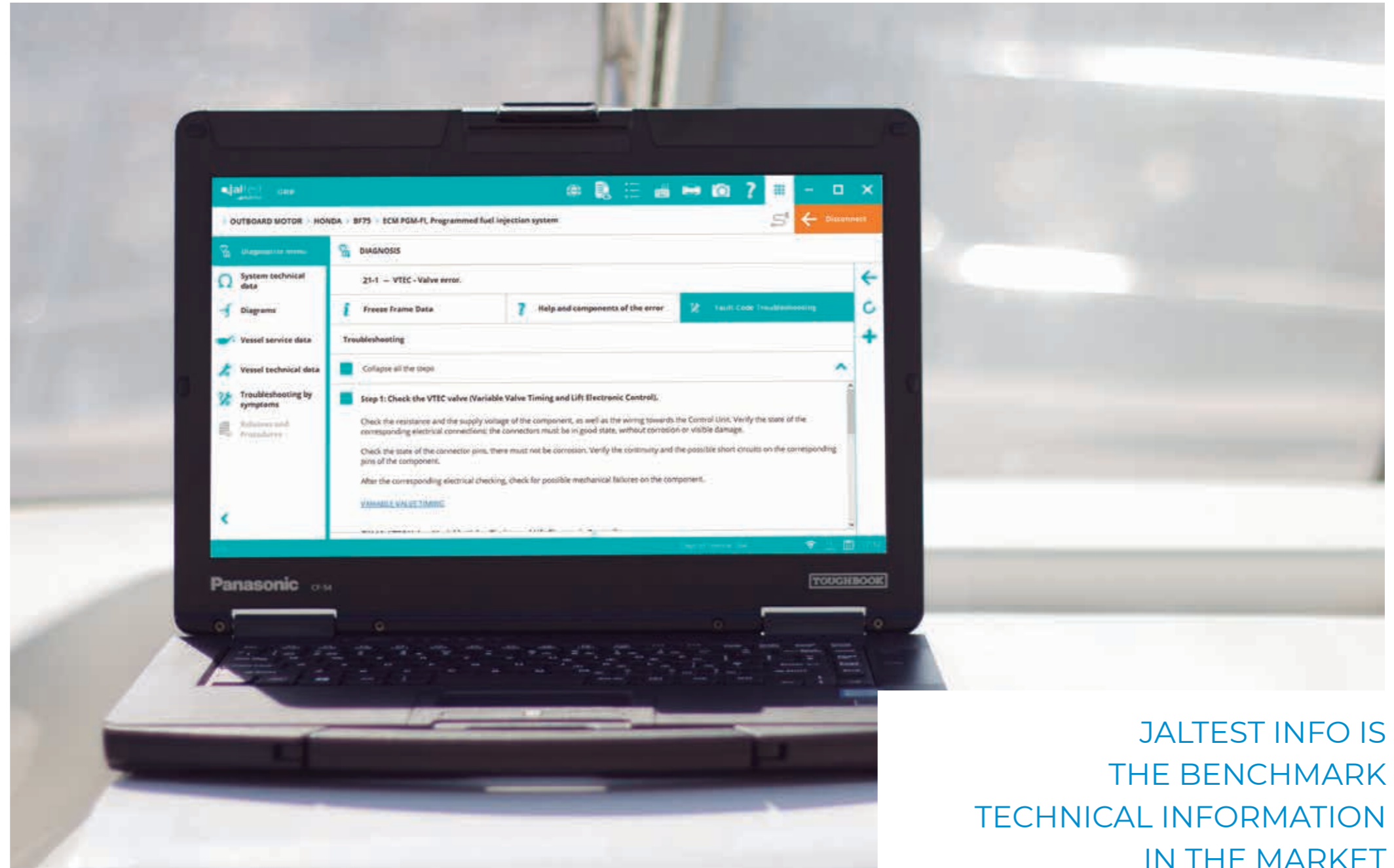
Troubleshooting details

Fault Code Troubleshooting

# BEST-IN-CLASS REPAIR GUIDES, ONE CLICK AWAY

## JALTEST INFO

Detailed technical information including images, pictograms, graphics, diagrams and pictures for every vessel 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. Vessel Technical Data.
5. Vessel Service Data.
6. Troubleshooting by symptoms (diagnostics).
7. Releases and Procedures.
8. Manual Diagnosis.



JALTEST INFO IS
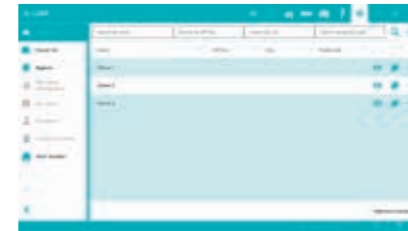THE BENCHMARK
TECHNICAL INFORMATION
IN THE MARKET

# JALTEST DELIVERS RESULTS, AS SOON AS THE VESSEL ENTERS THE WORKSHOP

## JALTEST GRP

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

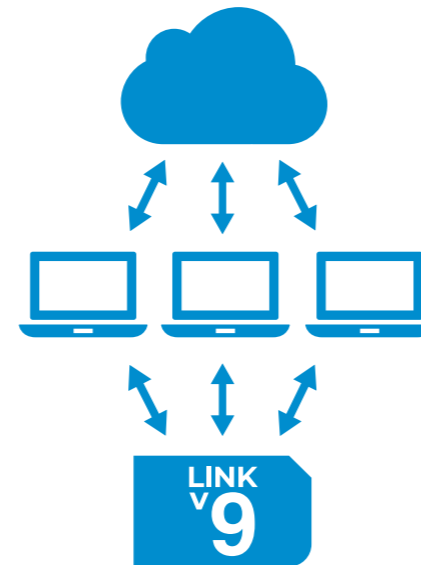### GRP BASIC.
· Client list.
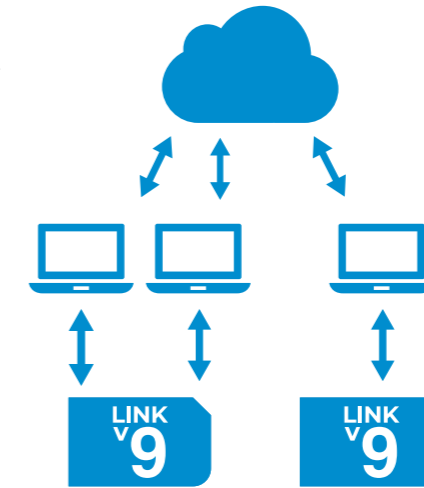· Reports (diagnosis & maintenance.

**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 nautical 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 or 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.**
Link between the fleet, workshop and vessel driver. It allows the user to receive notifications and alarms sent by the fleet manager.

**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. DATA RECORDER.**

This function allows obtaining the diagnosis results (system errors) and the values of up to 24 measurements at most for 30 min continuously. Data Recorder and player is ideal for evaluating dynamic trouble codes and performing sea tests.

**3. SYSTEM DISPLAY.**

Real-time live data display on vessel 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 vessel.

**5. SYSTEM SCAN.**

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.

# OUTSTANDING FEATURES

**6. WIRELESS BLUETOOTH CONNECTION.**

**7. CONTROL LEVERS CALIBRATION (START-UP).**

**8. KEYS AND REMOTE CONTROL JET SKI PROGRAMMING.**

**9. FLEET CUSTOMIZATION.**

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

**10. VESSEL SERVICE DATA REPORTS.**
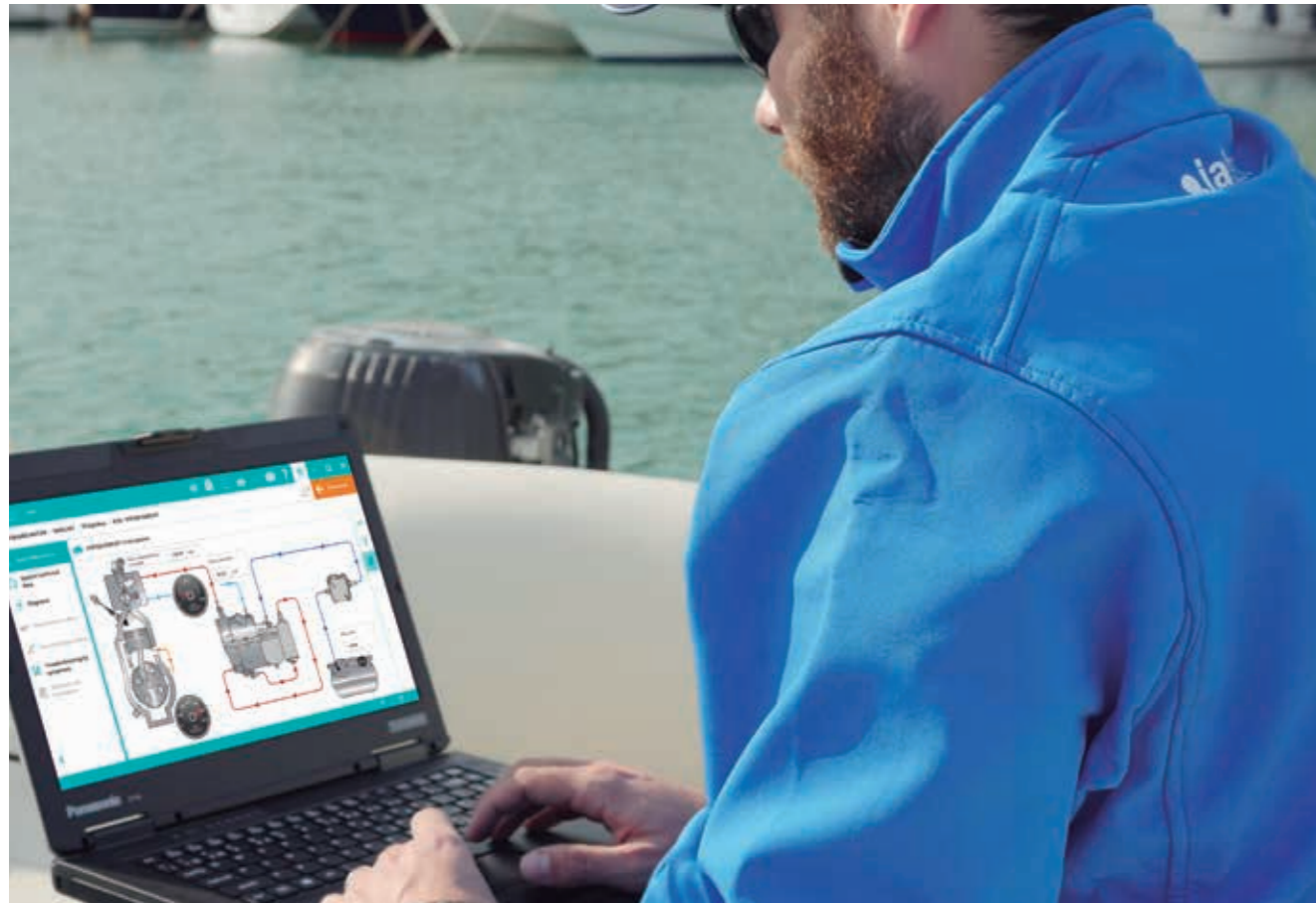
**11. TECHNICAL DATA AND PROCEDURES.**

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

**12. STATIONARY ENGINES.**

# 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:
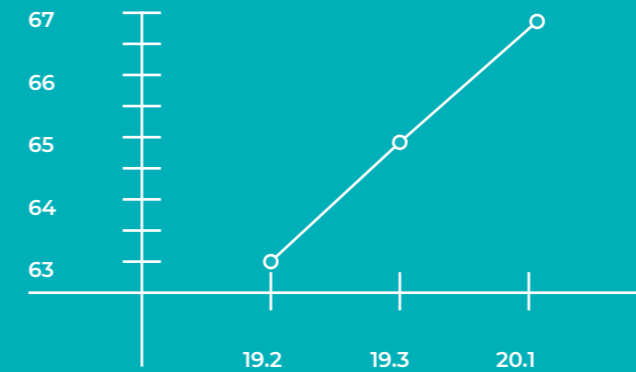
1. Keys and remote control programming.
2. Shifts calibration.
3. Calibrations of sensors (injectors, temperature and depth sensors, accelerator, etc.).
4. Setting of the system operation parameters (coding of injectors, etc.).
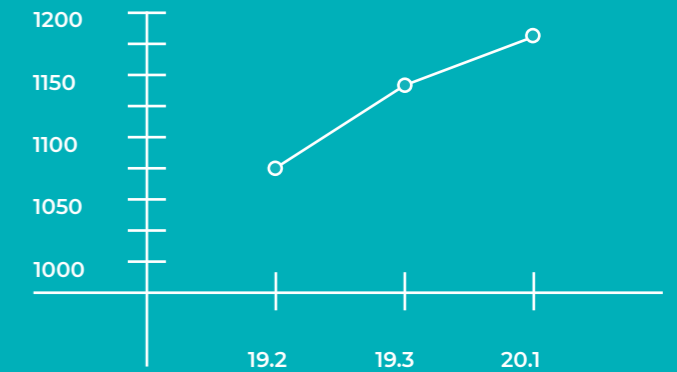5. Configuration of the vessel maintenance services.
6. More...



# CONSTANT INNOVATION

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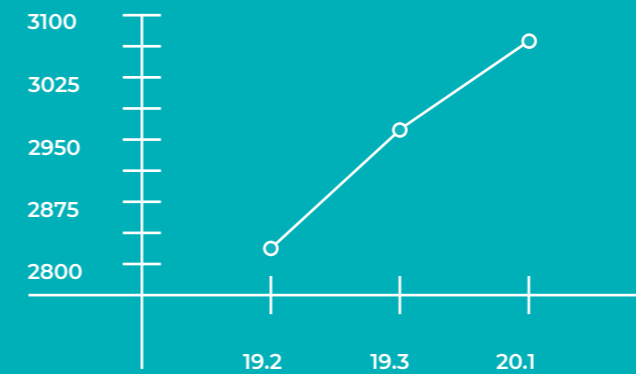
BRANDS



MODELS



SYSTEMS



DIAGRAMS



## THREE ANNUAL SOFTWARE UPDATES

# COVERAGE //

## MARINE

Diagnosis and maintenance tasks in jet skis, outboard and inboard engines. Same as with the rest of the available diagnosis kits, Jaltest Marine gathers all the experience of the Jaltest Development and Technical Assistance departments available for marine businesses, shipyards, nautical workshops and specialists in the repair and maintenance of vessels.

## JALTEST KITS ARE CLASSIFIED BY SECTOR AND COVERAGE

**jaltest** marine

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

1. COVERAGE FOR INBOARD & OUTBOARD VESSELS, JET SKIS AND STATIONARY ENGINES.
2. ALL PROTOCOLS AND STANDARDS ARE SUPPORTED.
3. INTUITIVE AND EASY TO USE SOFTWARE INTERFACE.
4. WIRELESS BLUETOOTH CONNECTION.
5. SYSTEMS CALIBRATIONS AND KEYS AND REMOTE CONTROLS PROGRAMMING.
6. AUTOMATIC DETECTION OF SYSTEMS AND ERROR CODES.
7. TROUBLESHOOTING BY SYMPTOMS AND ERRORS HELP.
8. INTEGRATED TECHNICAL INFORMATION, WIRING DIAGRAMS, TECHNICAL DOCUMENTS...
9. PROGRAMMED UPDATES AND LATEST DEVELOPMENT IMPLEMENTATIONS.
10. CALL-CENTER FOR TECHNICAL AND PRODUCT SUPPORT.
11. TRAINING & E-LEARNING.
12. GRP - GARAGE RESOURCE PLANNING.
13. VESSEL BRAND CUSTOMISATION.

# CHOOSE YOUR JALTEST MARINE EXPERIENCE

In order to offer the customer a flexible diagnostic solution that meets their needs, Jaltest Marine offers the possibility of acquiring licenses for:

1. Stationary engines, inboard, outboard and Jet ski.
2. Inboard and outboard engines.
3. Inboard engines.
4. Outboard engines.
5. Jet Ski.

## JALTEST MARINE FULL KIT.
Diagnostics equipment aimed for nautical workshops where repair and/or maintenance services are performed in several types of vessels, such as: Inboard, outboard and Jet Ski. This solution also includes diagnosis for vessel gensets. This wide coverage, as well as the additional diagnostic modules (Jaltest INFO, GRP, Troubleshooting), makes the 'Jaltest Marine Full Kit' the Industry-Leading diagnostic solution.

## JALTEST MARINE INBOARD KIT.
All the power of Jaltest is focused on inboard vessels. If your business is dedicated exclusively to this vessel, here you will find the tool you need.
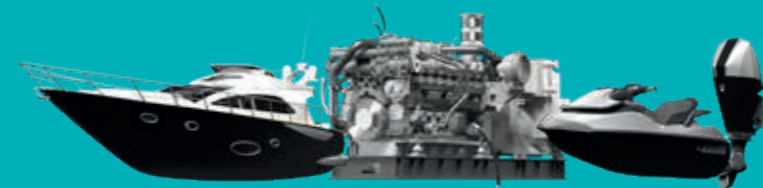
## JALTEST MARINE OUTBOARD KIT.
Jaltest diagnosis software provides an easy and accurate way to connect to these types of engines. The wide range of brands combined with essential functions for outboard engines repair and maintenance.

## JALTEST MARINE BOAT KIT.
This tool includes every function available in Jaltest and it is developed for all types of vessels. It is the perfect tool for those nautical workshops, dry docks, that perform construction, repair or maintenance works on vessels with inboard or outboard engines. The wide range of brands makes it one of the world's leading tools.

## JALTEST MARINE JET SKI KIT.
Tool specifically aimed at this type of vessels with all Jaltest diagnosis functions, technical information, key programming... These features make it an essential tool for all the companies of Jet Ski repair and maintenance.

## CUSTOMISE YOUR OWN KIT.
Modular kits can be combined depending on the needs of your business. Enabling to have a customized diagnosis tool, combining any of the aforementioned kits.

**CV**
COMMERCIAL

**AGV**
AGRICULTURAL

**OHW**
OFF-HIGHWAY

*marine*
VESSELS

# 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.

# 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.
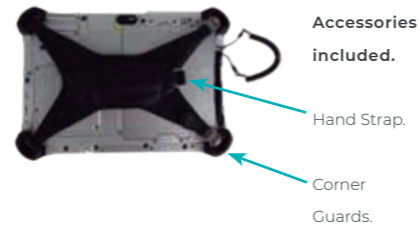
**JALTEST HARDWARE SOLUTIONS.**

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

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

**LINK V9**

**CABLES**

### 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 ACCESSORIES.**

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

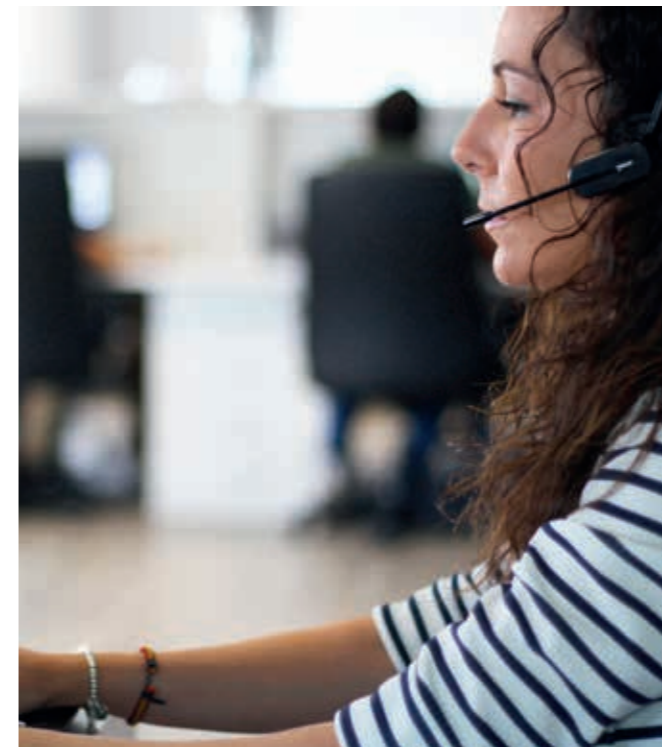**WORKSTATION**

**HARDCASE**

# SERVICES //

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

### TRAINING

To perform diagnosis, repair or maintenance tasks, we do not only require mechanical knowledge. Today, new vessels with new electronic systems demand a continuous training turning our skills into a great working tool, in order to deal with any kind of vessel as new as it may be.



## TECHNICAL ASSISTANCE

This kind of support is essential to solve certain vessel 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 vessels.

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



**jal**test
*marine*
MULTIBRAND DIAGNOSTICS
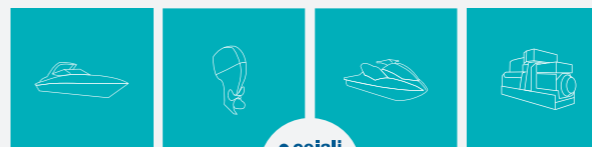
### DIAGNOSIS CENTRE

cojali GROUP

## CUSTOMER SERVICE

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

# 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 independent market, offering an equivalent quality as the original equipment.
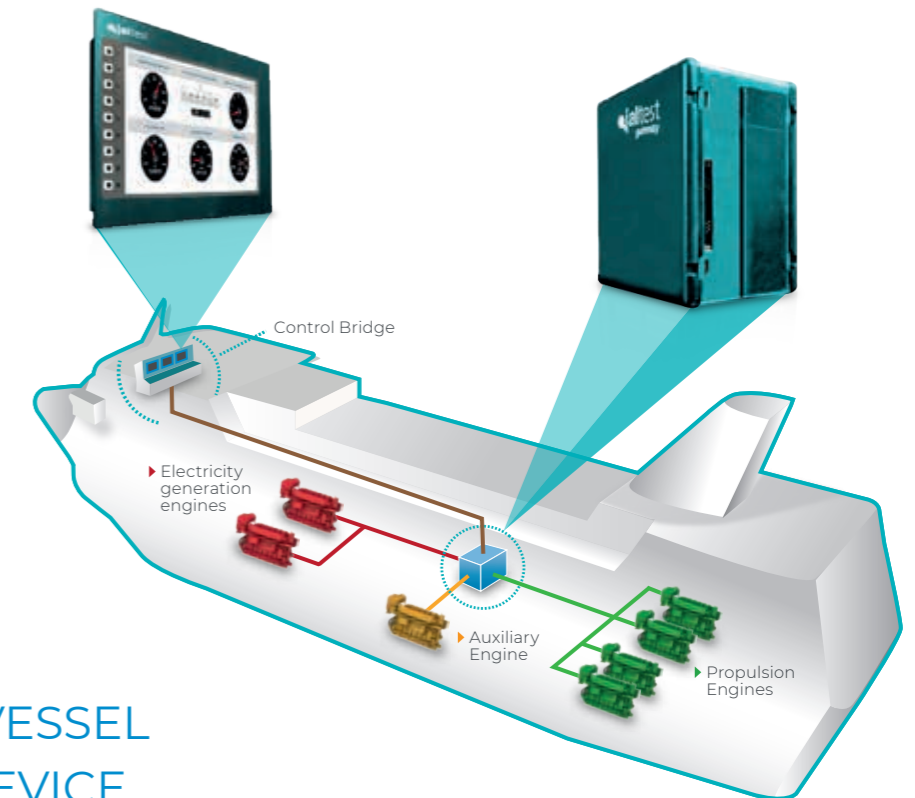


## JALTEST GATEWAY

Jaltest Gateway offers a global solution to control the engines and systems associated with the vessel. A single device that is able to check, monitor and interact with the different systems, regardless of the brand or communication protocol that are being used.

1. Connectivity to most communication protocols.
2. It checks and interprets the performance, maintenance and operation data.
3. It displays fault codes, their descriptions and the troubleshooting guides.
4. Technical support for fault repair.

## OEM-LEVEL SOLUTIONS. JALTEST GATEWAY



Control Bridge

Electricity generation engines

Auxiliary Engine

Propulsion Engines

## CONTROL YOUR VESSEL WITH A SINGLE DEVICE

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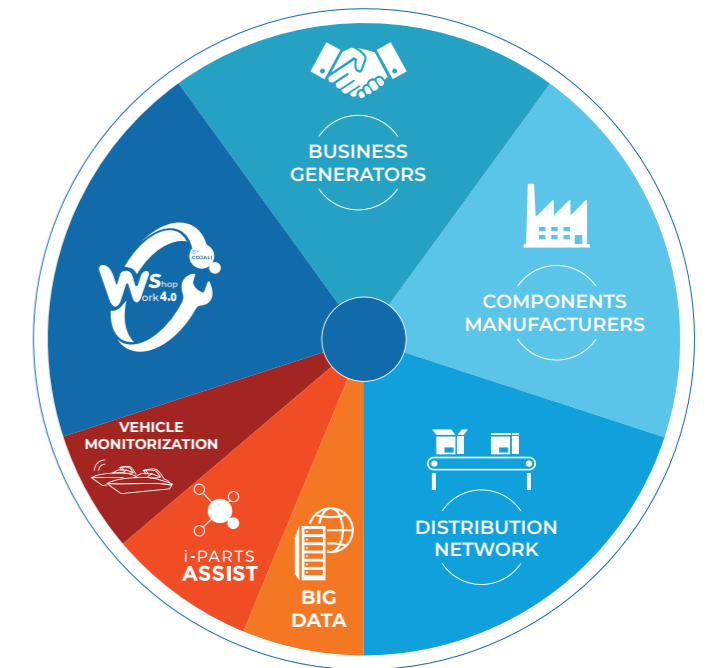
1. ADAS calibration equipment.
2. Electronic Simulation Benches.
3. Special repair tools.
4. Electronic equipment.

# WORKSHOP 4.0

Set of solutions and services that connect workshops, fleets and spare parts supplier in order to perform predictive maintenances and a professional, fast and efficient repair through Jaltest diagnostic tool, Telematics and Diagnosis cloud, 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 MARINE

## TELEMATICS, CLOUD DIAGNOSTICS AND VESSELS 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 vessels. 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.

**POSITION:**
Locate a vessel 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 vessel´s fault codes every time you use it. Stop the machine before the breakdown.

**FLEET HEALTH CHECK:**
Monitors all your vessel on a single screen.

**TIMES:**
Idle times or working time. Compare uses between different equipment.

**EFFICIENCY:**
Group vessels and monitor the working coupling factor. Identify equipment by below capacity.

**MAINTENANCE:**
Create and manage workshop tasks. Reception and work order management.

**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 MARINE 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.
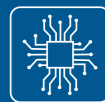
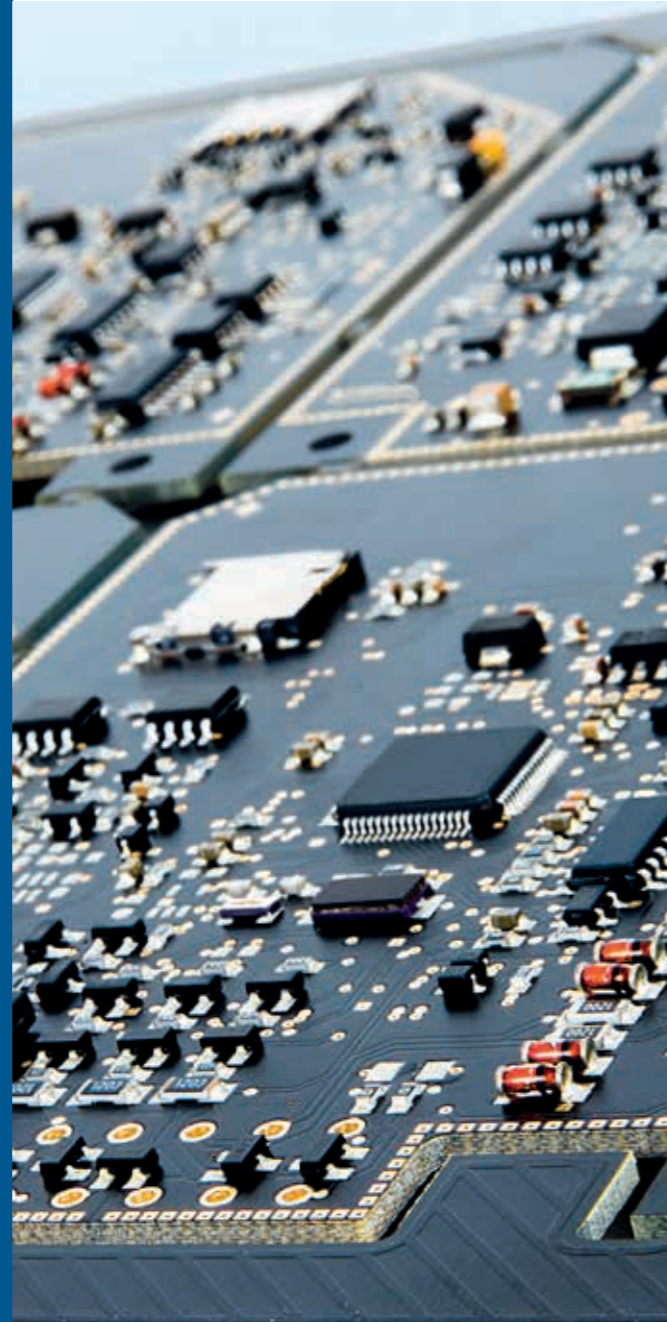## TAILORED HARDWARE & SOFTWARE SOLUTIONS FOR MANUFACTURERS
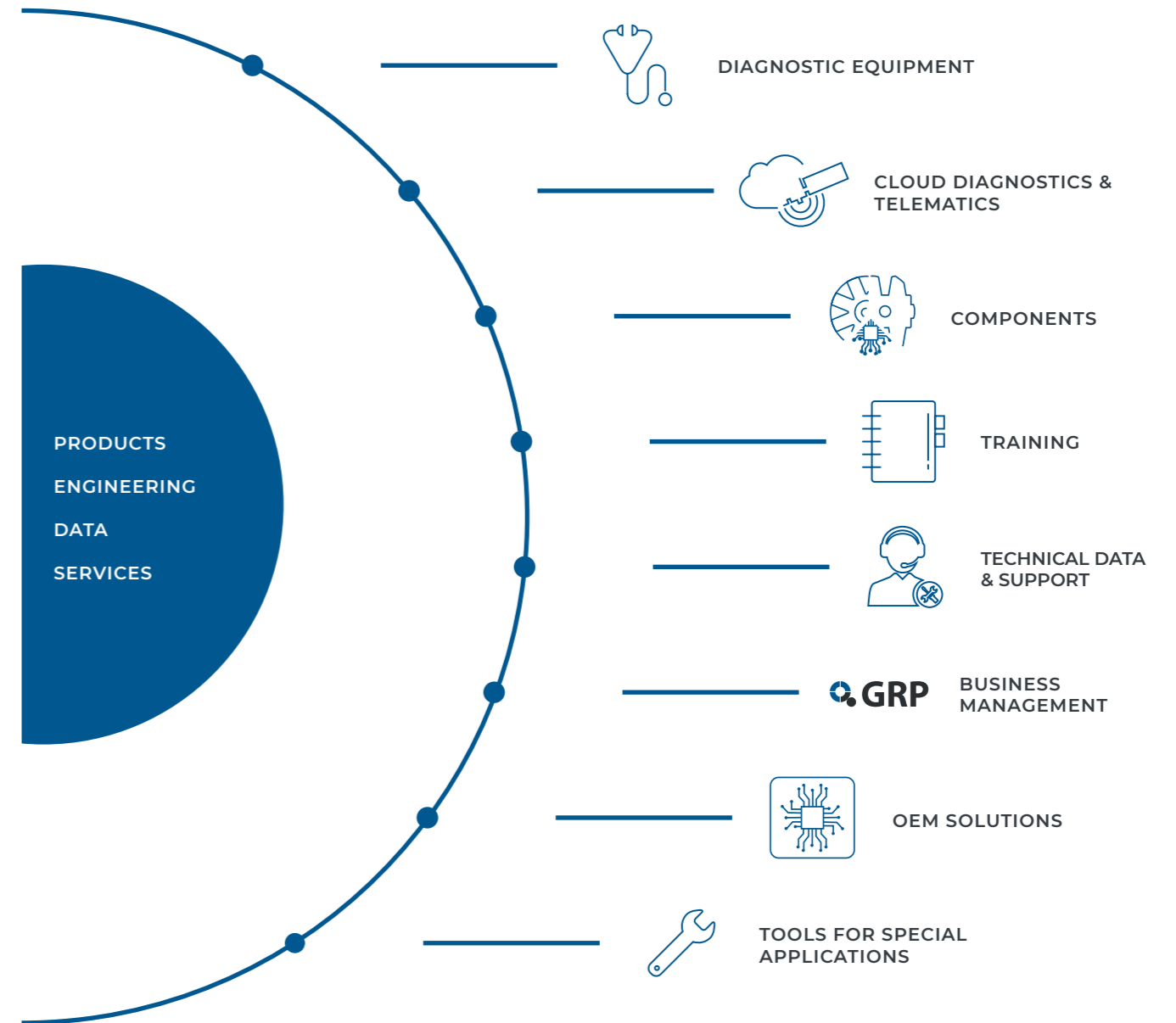
DIAGNOSTICS

TELEMATICS

ELECTRONICS

COMPONENTS

# COJALI. WE MEET ALL YOUR BUSINESS NEEDS

PRODUCTS
ENGINEERING
DATA
SERVICES

DIAGNOSTIC EQUIPMENT

CLOUD DIAGNOSTICS & TELEMATICS

COMPONENTS

TRAINING

TECHNICAL DATA & SUPPORT

GRP — BUSINESS MANAGEMENT

OEM SOLUTIONS

TOOLS FOR SPECIAL APPLICATIONS

# cojali
## GROUP

2020 V.1 EN

Land of Giants

AENOR
**ER**
Empresa
registrada
UNE-EN ISO 9001

CERTIFIED
IQNet
MANAGEMENT SYSTEM

AENOR
**ER**
Gestión
I+D+i
UNE 166002

Local distributor