



DIAGNOSTICS

# ● jaltest MHE

CATALOGUE

CV

AGV

OHV

MHE

marine

ISOBUS  
CONTROL

TOOLS

● jaltest  
BYCOJALI



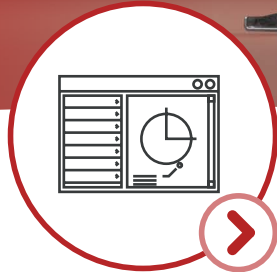
# ● jaltest MHE



JALTEST  
DIAGNOSTICS



COVERAGE



SOFTWARE



HARDWARE



SERVICES



COJALI

JALTEST. INDUSTRY-LEADING DIAGNOSTICS & TECHNICAL SOLUTIONS.





## JALTEST DIAGNOSTICS

Jaltest MHE is a multi-brand and multi-system diagnostics tool developed to carry out the most advanced tasks of diagnostics and maintenance in material handling equipment and lift platforms in a simple and intuitive way.

Jaltest is not limited to reading error codes of material handling equipment, but it also features bi-directional control and guided troubleshooting.

### FIND OUT AN EXPERIENCE BEYOND DIAGNOSIS WITH JALTEST.

JALTEST  
DIAGNOSTICS

TECHNICAL  
ASSISTANCE

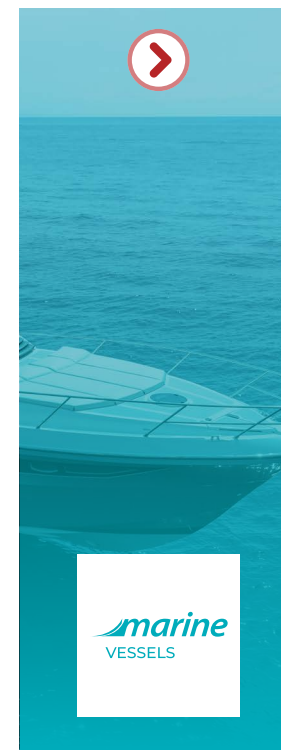
JALTEST  
UNIVERSITY

SPECIALISED  
CUSTOMER  
SUPPORT





## COVERAGE





## COVERAGE

# « **jaltest** MHE

## MATERIAL HANDLING EQUIPMENT

It offers complete coverage, including new brands, models and systems three times a year, which guarantees a constant update of its capabilities.

Just as the rest of the kits, Jaltest MHE offers technical information, troubleshooting guides and many other useful resources for technicians during the repair of this type of equipment.

Jaltest MHE includes advanced functions such as:

1. Calibrations
2. Parameter modification
3. System checks
4. Component actuation
5. And much more...



JALTEST MHE (MATERIAL HANDLING EQUIPMENT) IS THE PIONEERING DIAGNOSTICS KIT IN THE REPAIR SECTOR OF MATERIAL HANDLING EQUIPMENT. THIS IS DUE TO ITS MULTIPLE ADVANTAGES AND POSSIBILITIES WHEN IT COMES TO PERFORMING DIAGNOSTICS AND MAINTENANCE EFFICIENTLY IN FORKLIFTS, TELESCOPIC HANDLERS, LIFT PLATFORMS AND DERIVATIVES.





## COVERAGE



# jaltest CV

Diagnostics equipment aimed for workshops where repair and/or maintenance services are performed in several types of commercial vehicles, such as: Trucks, Buses, Trailers, LCVs, Pickup trucks.

Jaltest CV allows diagnosis in all commercial vehicles. Jaltest CV coverage includes truck, bus, light commercial vehicle, pickup trucks, trailer and semi-trailer.

Jaltest CV includes advanced functions such as:

1. Calibrations
2. Parameter modification
3. System checks
4. Component actuation
5. And much more...





## COVERAGE



# jaltest AGV

Jaltest AGV is the Jaltest Diagnostics kit focused on the diagnosis and maintenance of all type of agricultural equipment. Therefore, it is ideal for workshops that repair tractors, harvesters, forage harvesters or grape harvesters among others.

It covers a wide variety of brands, models and systems, and it offers a large catalogue of cables that allow direct connections in the agricultural equipment.

Just like the rest of licences, Jaltest AGV offers the best technical information of the sector and will help in the whole repair process through easy and intuitive guides.

Jaltest AGV includes advanced functions such as:

1. Calibrations
2. Parameter modification
3. System checks
4. Component actuation
5. And much more...





## COVERAGE



# jaltest OHW

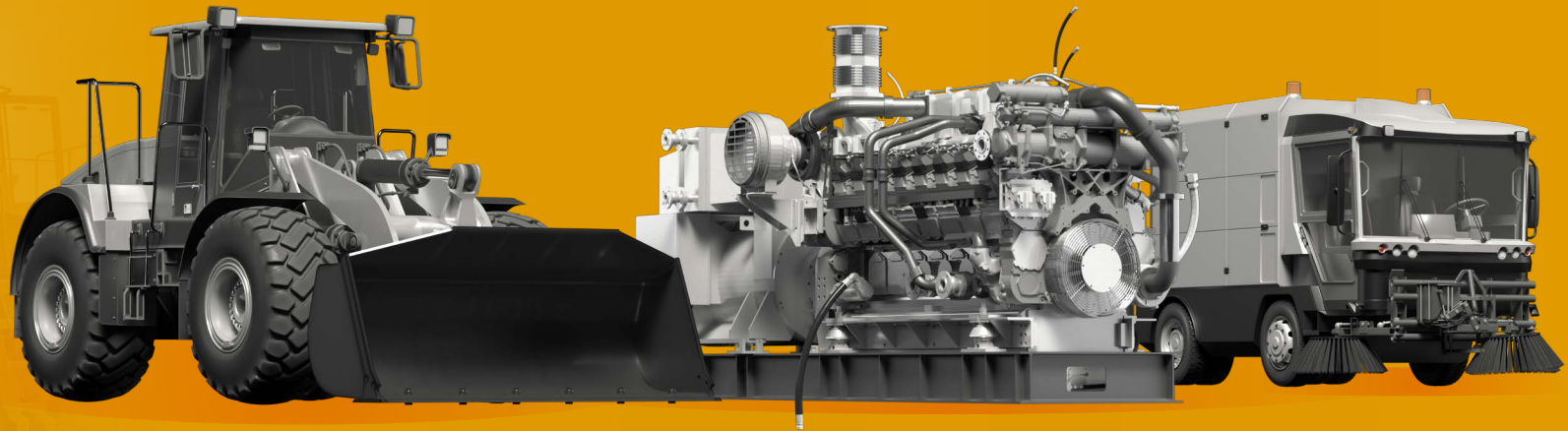
The Jaltest OHW kit has been developed to perform maintenance and diagnostic tasks in special equipment and construction machinery, such as cranes, excavators, dumpers, stationary engines, cleaning machines or road maintenance equipment, among others.

Just like the rest of the Jaltest Diagnostics modules, it offers a wide coverage of brands, models and systems, as well a large variety of cables to carry out direct connections.

Jaltest OHW includes complete technical information and troubleshooting guides, which make it the benchmark diagnostic tool of the sector.

Jaltest OHW includes advanced functions such as:

1. Calibrations
2. Parameter modification
3. System checks
4. Component actuation
5. And much more...







## COVERAGE



# jaltest marine

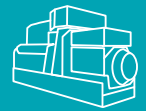
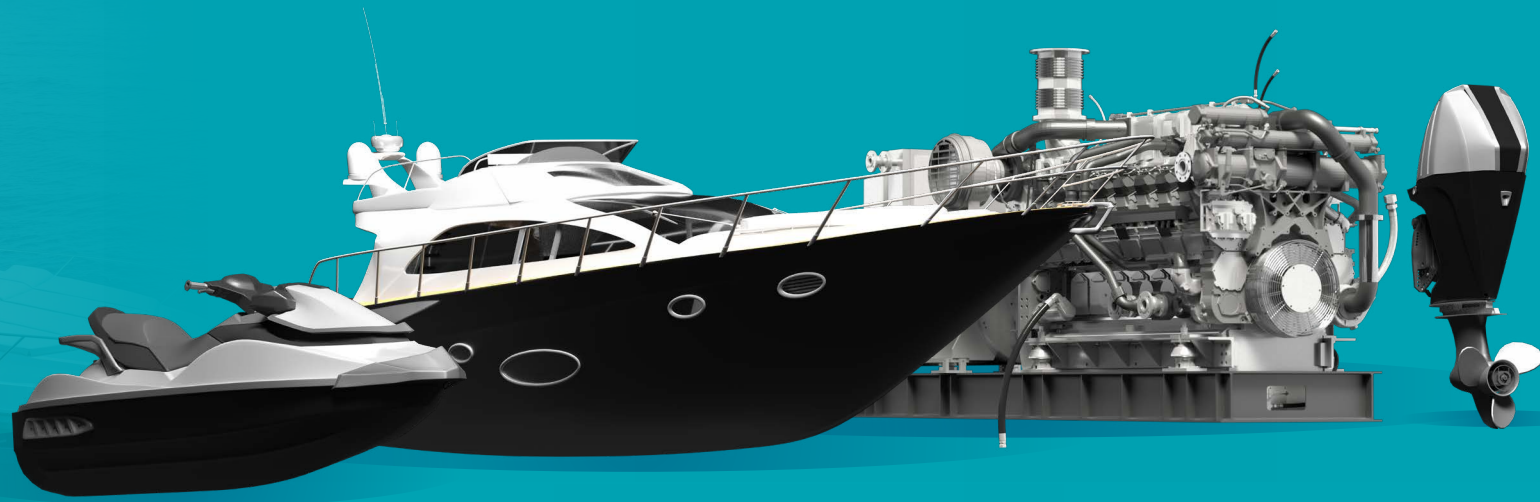
Jaltest Marine is our newest kit. The wide expertise of Jaltest Diagnostics in land vehicles has allowed us to successfully pursue the design of a complete maintenance and diagnostic tool for vessels, jet skis, outboard and inboard engines and stationary engines.

With a wide coverage of models, brands and systems, Jaltest Marine is totally orientated toward those technicians that provide nautical repair services. We have collected the best technical information for them and we have developed step-

by-step troubleshooting guides, turning Jaltest Marine into a cutting-edge tool in the sector.

Jaltest Marine includes advanced functions such as:

1. Calibrations
2. Parameter modification
3. System checks
4. Component actuation
5. And much more...





## COBERTURA



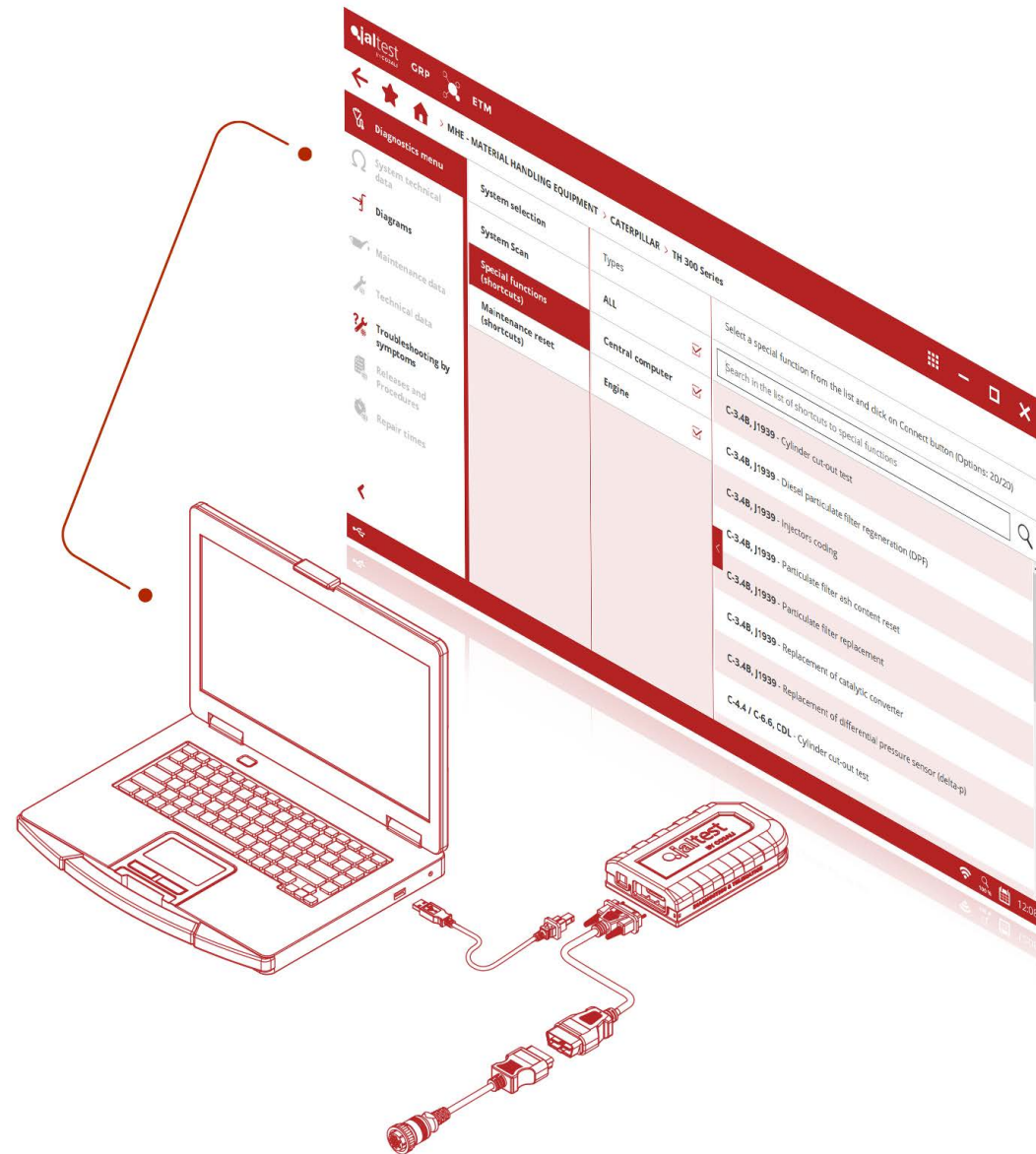
# jaltest DATA-LINK

Jaltest DATA-LINK is a device that allows the user to use Jaltest hardware with the software of different manufacturers and without using the original hardware.

Jaltest DATA-LINK supports all generic communication protocols RP1210, SAE J1939, SAE J2574 and OBD.

This solution also includes a software for the diagnosis of generic errors.

Therefore, all solutions can be grouped in one single device.





**SOFTWARE**



**FIND WHAT YOU WERE LOOKING FOR**



ADDITIONAL MODULES



DIAGNOSTICS MENU

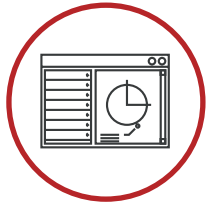


TECHNICAL INFORMATION



JALTEST IN NUMBERS





## SOFTWARE

Jaltest Diagnostics software surprises for its:

1. Easy handling
2. Most advanced diagnostic functions
3. Component technical data
4. Wiring diagrams
5. Maintenance data
6. Vehicle Service Data
7. Troubleshooting Guides
8. Releases and technical procedures
9. Additional modules

**JALTEST DIAGNOSTICS  
PROVIDES TECHNICIANS  
WITH INCOMPARABLE  
ADDITIONAL HELP.**



**GRAPHICAL USER  
INTERFACE**

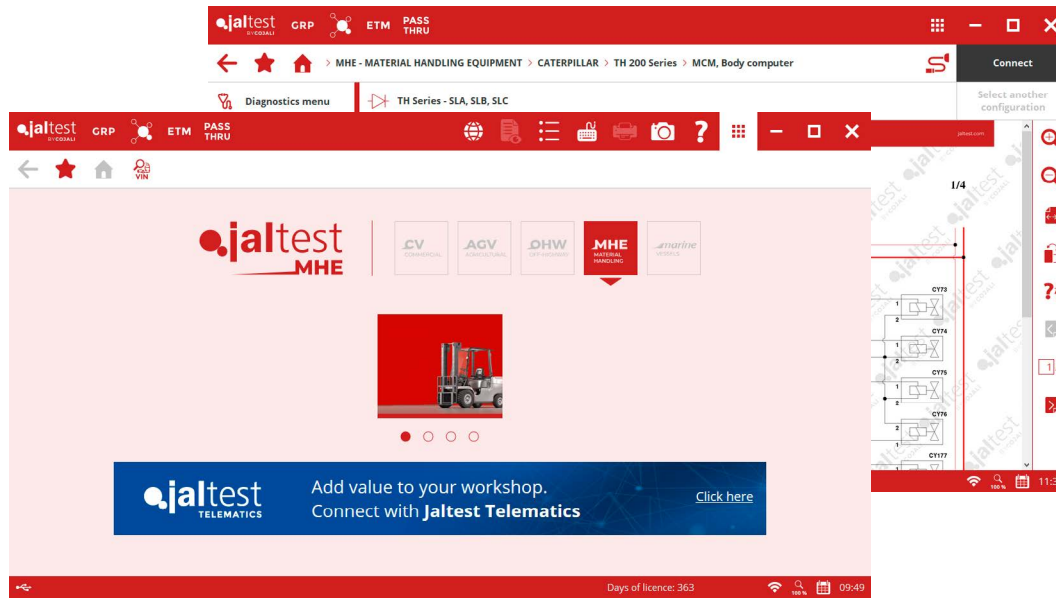




## SOFTWARE



## GRAPHICAL USER INTERFACE



FAST INSTALLATION AND HANDLING

CUSTOMISABLE

EVERYTHING IN ONE SINGLE DISPLAY

USER-FRIENDLY,  
VISUAL, INTUITIVE.





## SOFTWARE



## FIND WHAT YOU WERE LOOKING FOR

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



### ADDITIONAL MODULES

1. GRP (Garage Resource Planning). Management of workshop and client/vehicle reports.
2. i-PARTS ASSIST. Cross-referencing platform. Installation guides.



### DIAGNOSTICS MENU

3. Diagnostics Menu.



### TECHNICAL INFORMATION

4. System Technical Data.
5. Wiring diagrams, and fuses and relay boxes.
6. Vehicle Service Data.
7. Vehicle Technical Data.
8. Troubleshooting Guides by symptoms.
9. Technical Releases.
10. Repair Times.
11. Troubleshooting Guides by Fault Codes.



### JALTEST IN NUMBERS

The screenshot shows the Jaltest software interface. At the top, there's a navigation bar with the Jaltest logo, 'GRP', 'PASS THRU', and various utility icons. Below that, a breadcrumb trail reads: 'MHE - MATERIAL HANDLING EQUIPMENT > CATERPILLAR > TH 200 Series > C-4.4 / C-6.6, J1939, Engine Control Module'. A 'Disconnect' button is visible in the top right corner.

The main interface is divided into two panels. The left panel is the 'Diagnostics menu' with numbered items 3 through 10:
 

- 3. Diagnostics menu
- 4. System technical data
- 5. Diagrams
- 6. Maintenance data
- 7. Technical data
- 8. Troubleshooting by symptoms
- 9. Releases and Procedures
- 10. Repair times

The right panel is titled 'DIAGNOSIS' and shows 'ERROR(S) STORED IN MEMORY: 3'. It contains a table of error codes:

Error Code	Description	Severity	Frequency	Action
3360	x1 Aftertreatment Diesel Exhaust Fluid Controller.	i	11	✗
651	x1 Injector Cylinder 1.	i	1	🗑️
PID:1797	x1 Injection rail pressure sensor.	i	1	🔍

At the bottom of the error list, there are three status indicators: 'PRESENT ERROR' (red X), 'NON-PRESENT ERROR' (grey X), and 'OTHER ERROR STATES' (yellow !).





## SOFTWARE



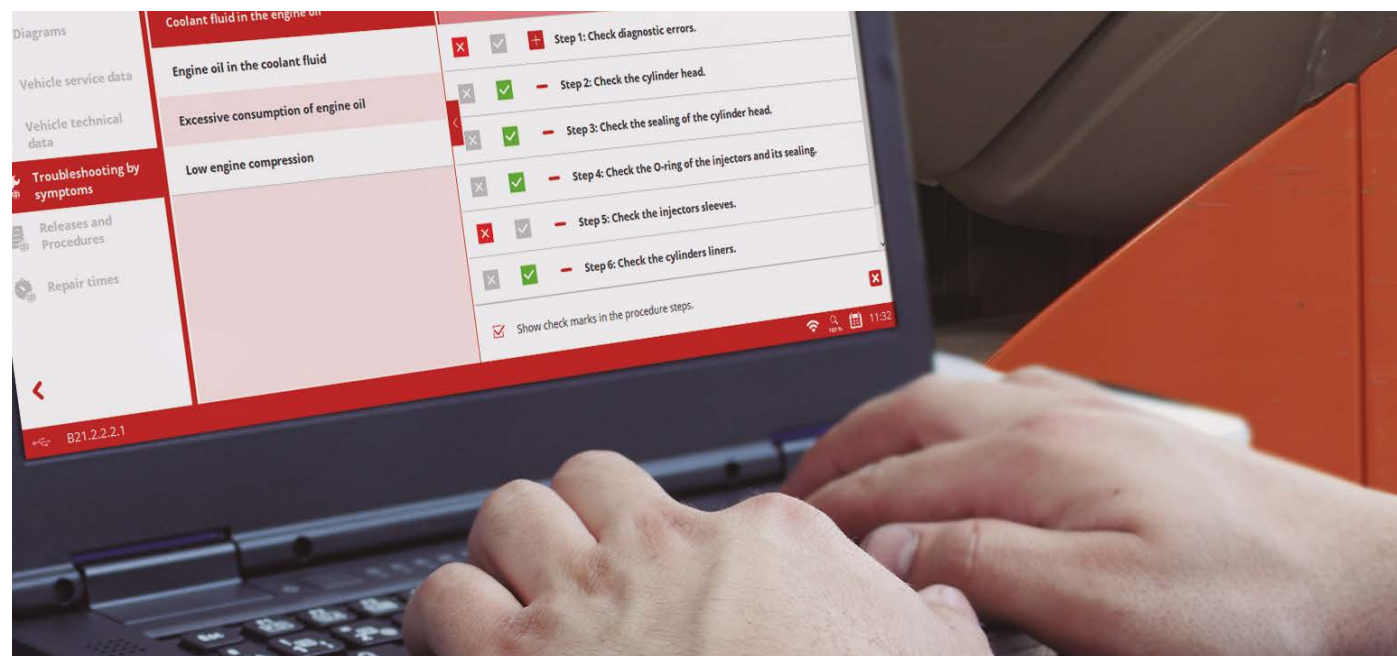
## ADDITIONAL MODULES

### PASS-THRU

Jaltest has the additional Pass-Thru module, which enables communication through the SAE J2534 protocol with the manufacturer's software to perform:

1. Control unit updates
2. Calibrations
3. Unit reprogramming
4. Material handling equipment analysis

This makes it possible to reduce dependence with proprietary hardware, decreasing costs and increasing the productivity.



## ← JALTEST GRP





## SOFTWARE



## ADDITIONAL MODULES

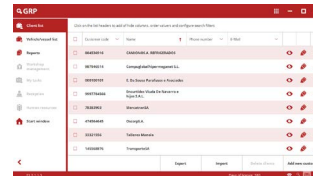
### Jaltest GRP

GRP (Garage Resource Planning) is the workshop management program that allows you to organise and manage its activity. GRP is included in Jaltest.

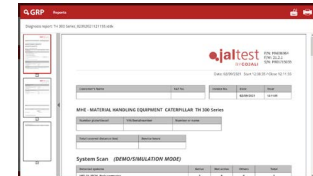
## PASS-THRU

#### GRP BASIC

It allows you to store and manage clients, material handling equipment and reports in a simple and easy way.



CLIENT LIST



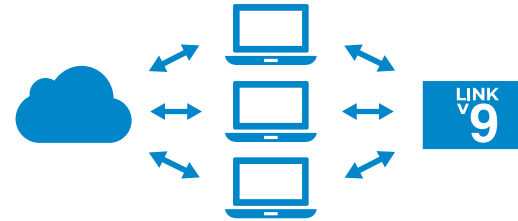
REPORTS



#### GRP SYNCHRO

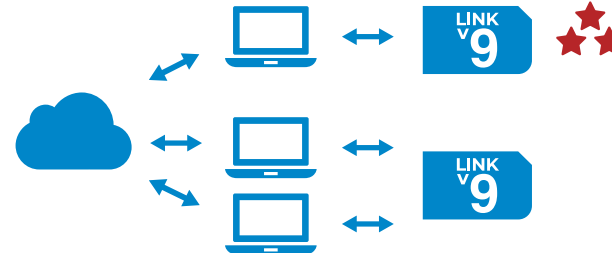
Upgrade by storing all your clients, material handling equipment and reports in the cloud.

Synchronise automatically all data stored in all your devices.



#### GRP ENTERPRISE

Manage one or more workshops completely. Synchronise all stored data, even if it is located in different workshops!  
Access all Jaltest GRP functionalities.



#### GRP NETWORK

A workshop network is a big deal, but Jaltest GRP can also help with its daily management.



## JALTEST GRP FUNCTIONALITIES

CLIENT LIST MANAGEMENT

VEHICLE LIST MANAGEMENT

REPORT MANAGEMENT

- Diagnostics reports
- Maintenance reports

WORKSHOP MANAGEMENT

- Work orders
- Tasks
- Workshop time reports

WORKSHOP RECEPTION MANAGEMENT

- Reception forms
- Work orders management

HUMAN RESOURCES MANAGEMENT







## SOFTWARE



## DIAGNOSTICS MENU

### 1. SYSTEM DISPLAY

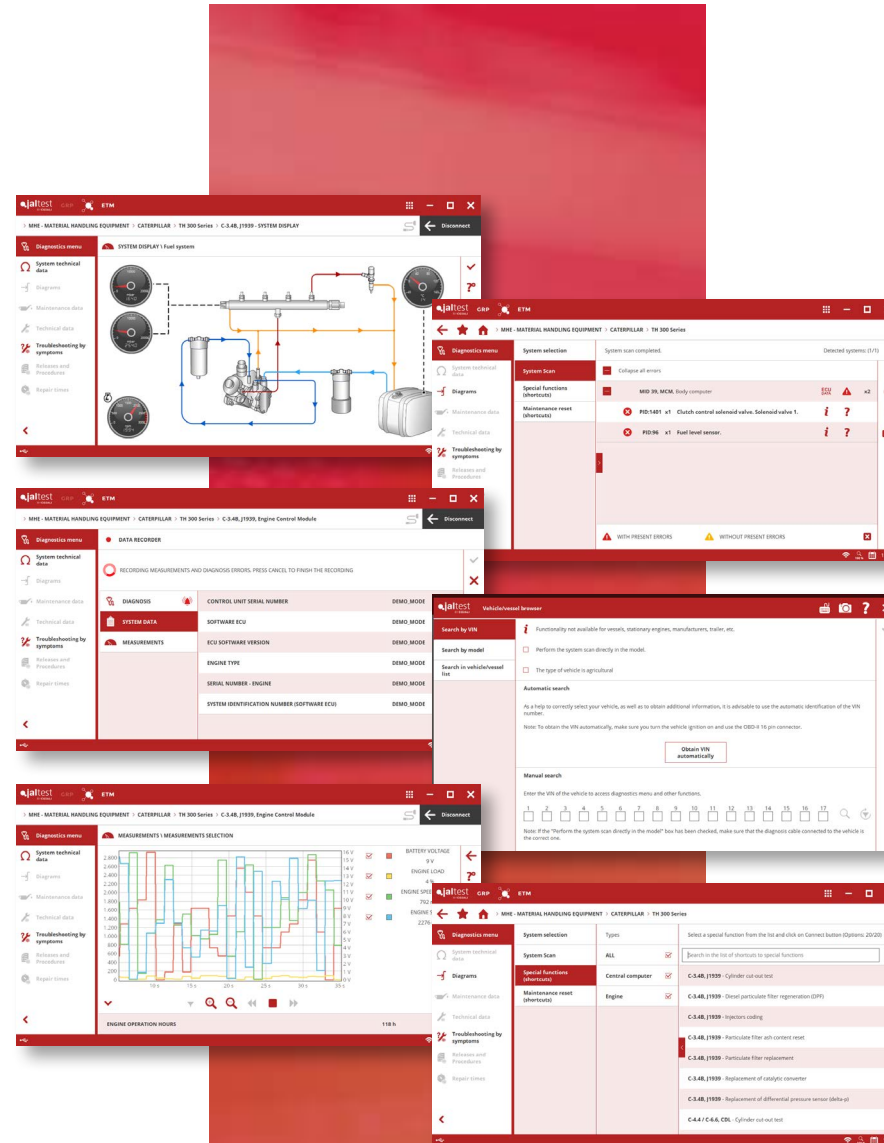
Real-time live data display of material handling equipment diagrams, enabling fast assessment of the system performance.

### 2. DATA RECORDER

This function allows the user to make tests while the material handling equipment is moving and, at the same time, to record measurements and diagnostics errors. This way, it is possible to know the exact moment at which an error occurred.

### 3. VIRTUAL INSTRUMENTS / GRAPHS

Visual aid for the technician to check values and understand the current status of any system available in the material handling equipment.



### 4. 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.

### 5. VEHICLE VIN DETECTION

It allows the detection of the VIN or chassis number of the material handling equipment with just one click.

### 6. SHORTCUT TO SPECIAL FUNCTIONS

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

**AND MUCH MORE!**



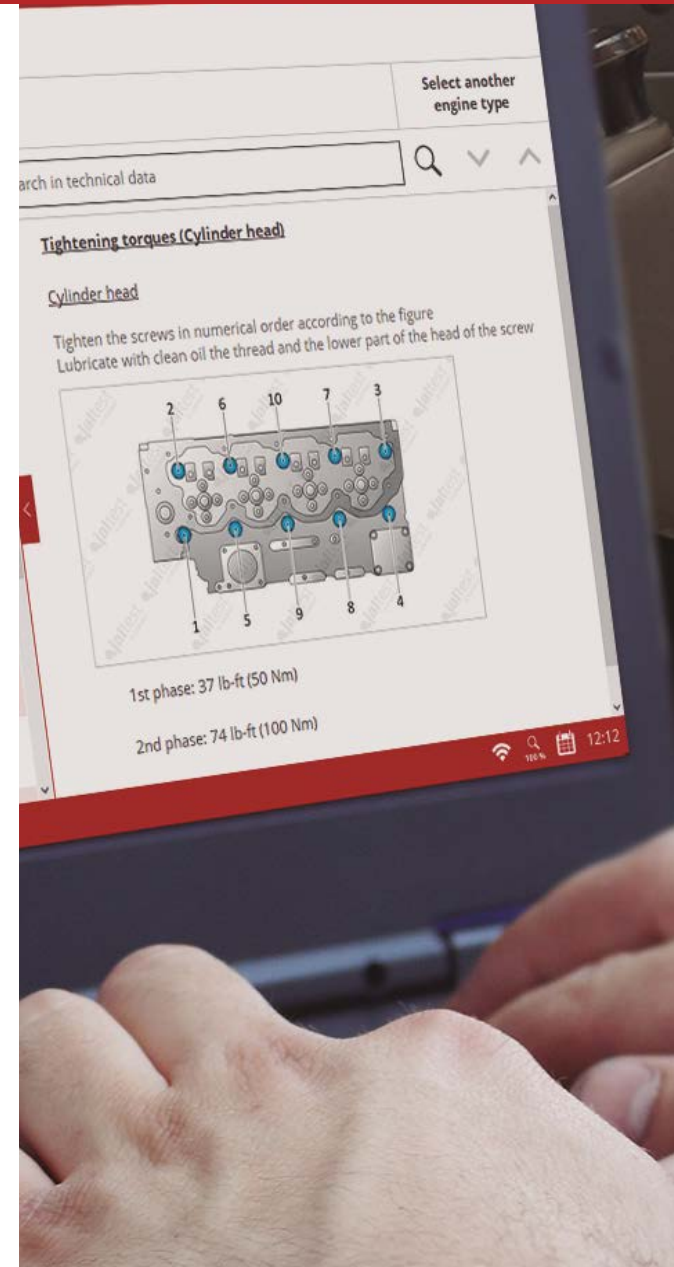
## SOFTWARE



## TECHNICAL INFO

The technical information of Jaltest includes:

- 1. System Technical Data:** Specific OEM standards for the most common adjustments of material handling equipment.
- 2. Wiring, system and fuse diagrams:** More than 3,600 simple, interactive and easy-to-navigate diagrams for the different system configurations.
- 3. Vehicle Technical Information:** A complete data base with all the information needed to perform the proper maintenance of the selected material handling equipment.
- 4. Troubleshooting Guides by symptoms:** Step-by-step guides that allow the diagnostics by symptoms on material handling equipment.
- 5. Technical Releases:** Bulletin on technical service, launches and procedures with updated information, published by the OEMs, about any modification of the service and procedures, reviewed parts, etc.
- 6. Repair Times:** In order to improve the time management and productivity in the workshop, Jaltest Info includes a function to estimate times.
- 7. Troubleshooting Guides by Fault Codes:** Intuitive and easy-to-follow troubleshooting guides, for both mechanical and electronical problems, linking directly to the actions to be carried out.



**JALTEST HAS THE BENCHMARK  
DATA BASE OF TECHNICAL  
INFORMATION IN THE MARKET.**





**SOFTWARE**



**JALTEST IN  
NUMBERS**

BRANDS

**50**

MODELS

**810**

SYSTEMS

**2973**

TECHNICAL INFO

**1663**

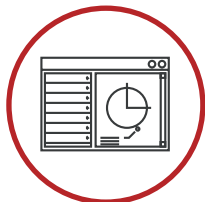
DIAGRAMS

**431**



**THREE ANNUAL SOFTWARE UPDATES**





## HARDWARE



JALTEST HARDWARE KIT



# LINK V9



SUPPLEMENTS AND ACCESSORIES



## HARDWARE



### LINK V9



LIGHT, FAST,  
EXCEPTIONAL.

#### MAXIMUM CONNECTION SPEED

It performs diagnostics in every control unit of the material handling equipment at a hitherto previously unknown speed.

#### PROTECTED USB AND SUBD26 CONNECTORS THANK TO THE POKA YOKE DESIGN

#### HIGH-PERFORMANCE, RUGGED AND RELIABLE ELECTRONICS

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





## HARDWARE



### JALTEST HARDWARE KIT

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 Diagnostics Hardware Kit can be configured according to the workshop needs. There is a wide variety of connectors depending on the types of brands and models of material handling equipment.



JALTEST DIAGNOSTICS HARDWARE KIT ALLOWS CONNECTION TO ALL THE TYPES OF MATERIAL HANDLING EQUIPMENT AVAILABLE WITHIN JALTEST COVERAGE.





## HARDWARE



## SUPPLEMENTS AND ACCESSORIES

JALTEST OFFERS A WIDE VARIETY OF ACCESSORIES AND SUPPLEMENTS THAT LEADS TO UNPARALLELED DIAGNOSTICS OF MATERIAL HANDLING EQUIPMENT.

### JALTEST RUGGED PC

Jaltest Rugged PC is optimised for the use of Jaltest in the most demanding conditions.

- Windows 10 Pro
- Rugged and exclusive design
- Liquid-resistant keyboard/touchpad.
- Keyboard available in several languages
- Replaceable Battery



### JALTEST RUGGED PAD

Jaltest Rugged Pad is a high-performance tablet that enables a more versatile use of Jaltest.

- Windows 10 Pro
- 10" Screen
- Replaceable Battery
- Digitizer pen
- Rugged and exclusive design



### WORKSTATION

The Jaltest workstation trolley is the best way of transporting Jaltest. It is specially designed to perform diagnostics in all material handling equipment with maximum comfort.





## SERVICES

### JALTEST UNIVERSITY

Our Jaltest University division gathers the entire Jaltest training offer, from courses traditionally taught on-site to online courses or webinars. This way, we have adapted to the new needs for universal and quality training at the disposal of any professional in the sector.

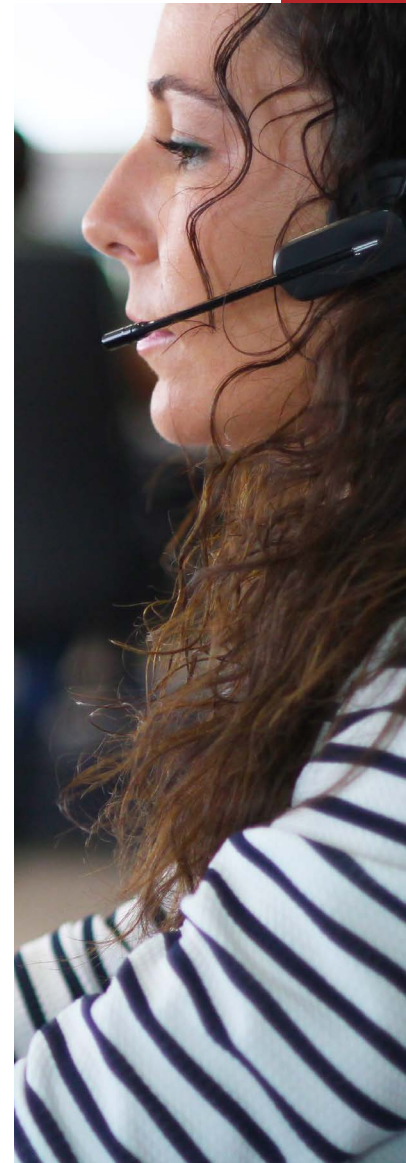


Jaltest University is aimed at:

- Workshops
- Manufacturers
- Distributors
- Students
- Other professionals of the sector

Jaltest University includes the following topics, among others:

- Diagnosis
- Engine management
- Anti-pollution system
- Pneumatics
- Electricity and communication protocols



### TECHNICAL ASSISTANCE

**1731**

Connected workshops (SP & PT)

**43940**

Solved incidences

AVAILABLE LANGUAGES:

- SPANISH
- RUSSIAN
- ENGLISH
- PORTUGUESE
- ITALIAN
- TURKISH
- GERMAN
- ROMANIAN
- FRENCH
- HINDI

### 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.



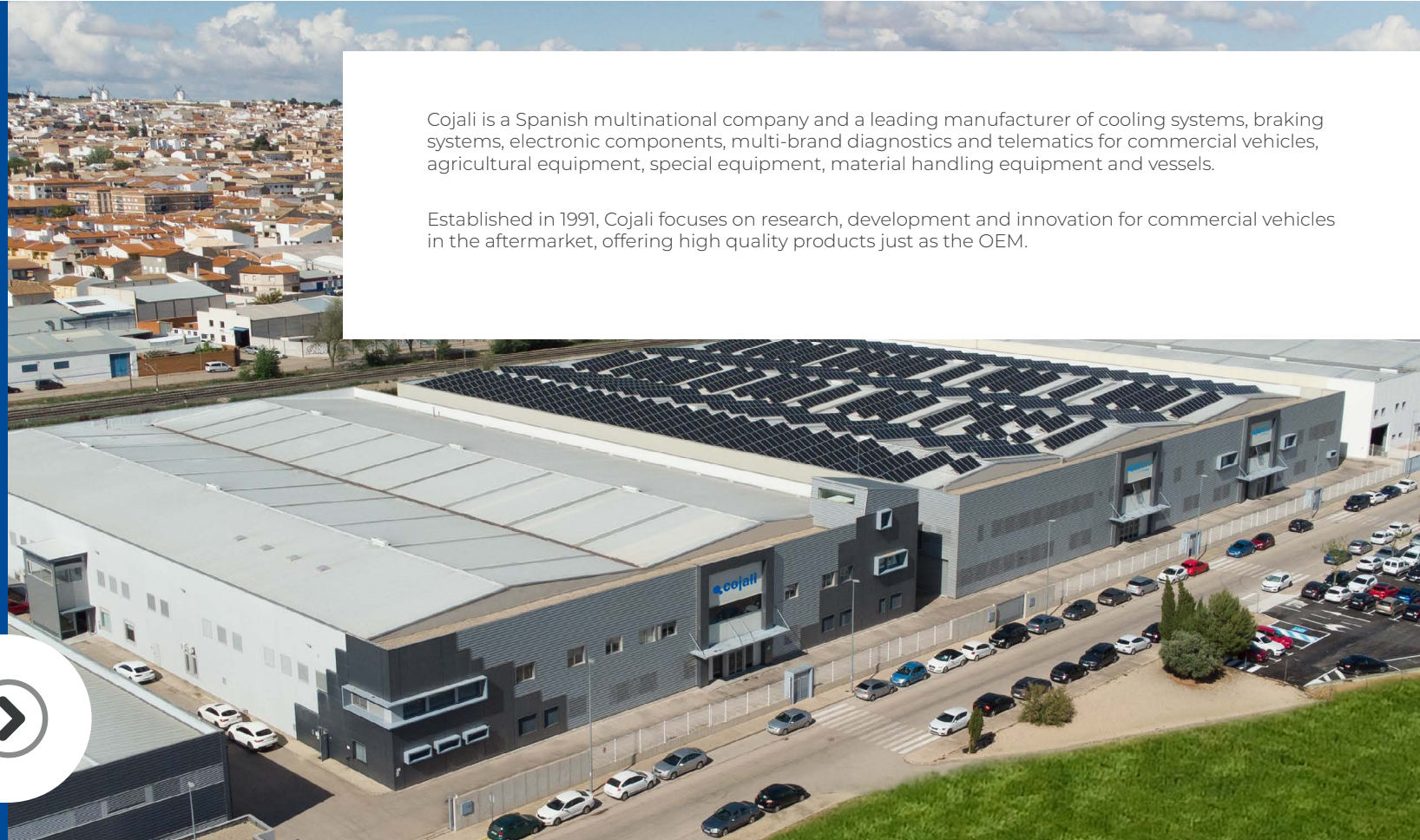


« **cojali**

**700**  
WORKERS

**+115**  
COUNTRIES

COJALI.  
INTERNATIONAL  
PRESENCE



Cojali is a Spanish multinational company and a leading manufacturer of cooling systems, braking systems, electronic components, multi-brand diagnostics and telematics for commercial vehicles, agricultural equipment, special equipment, material handling equipment and 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.

**HEAD OFFICE**



SPAIN

**BRANCHES**



FRANCE



ITALY



USA

**SALES OFFICES**



GERMANY



MEXICO

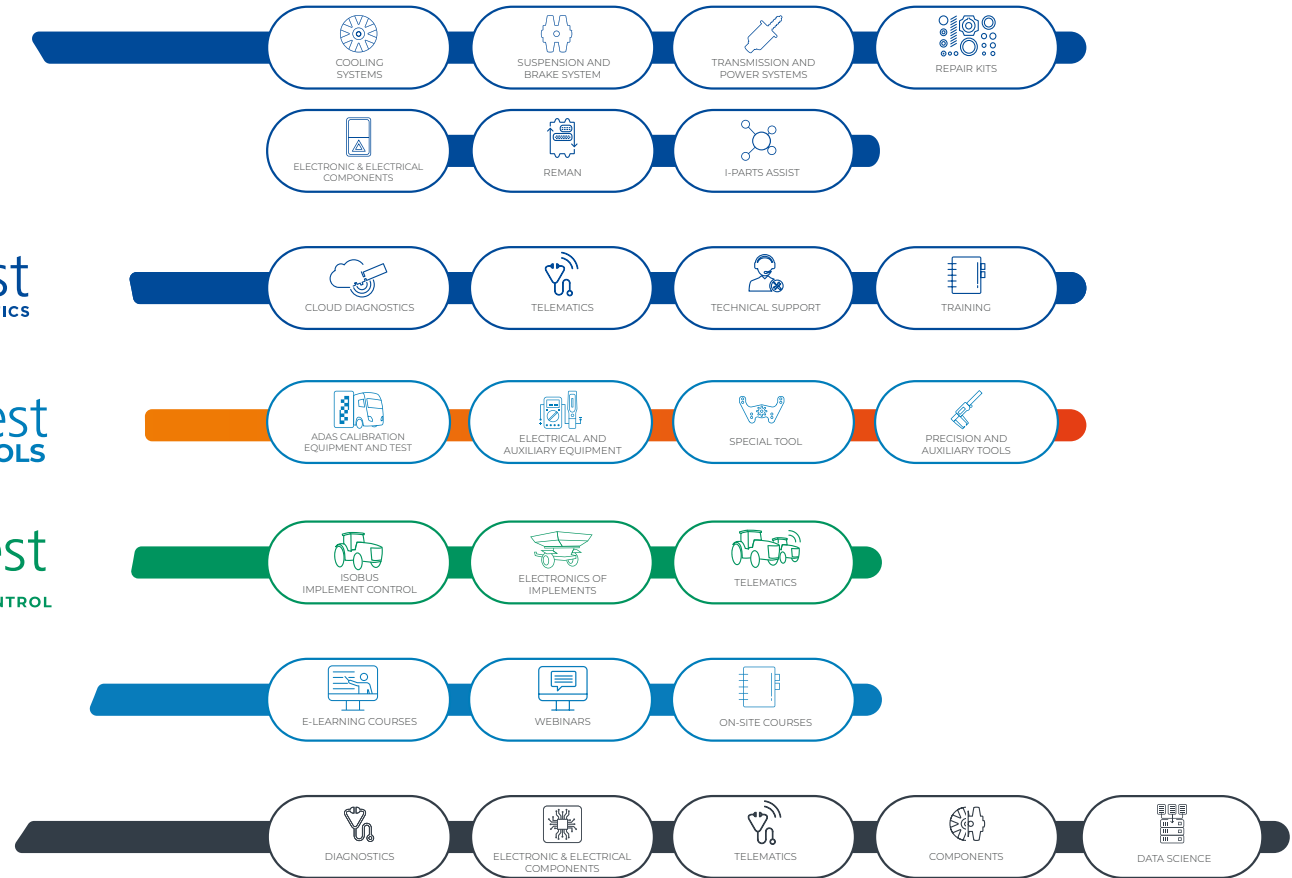
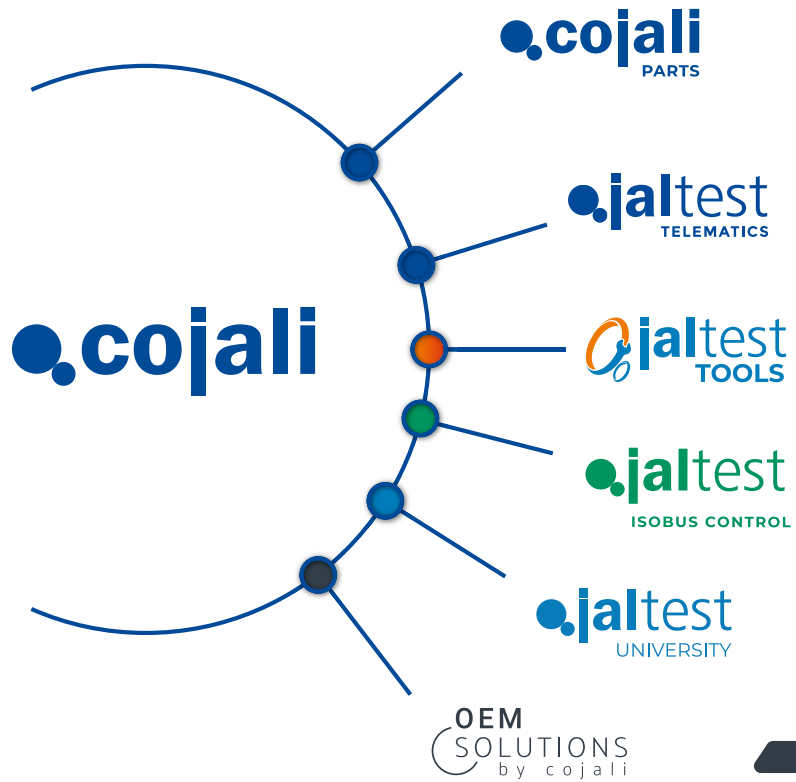


TURKEY



RUSSIA







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