HORIBA
Automotive Test Systems

RDE TEST NAVIGATION SYSTEM

RDE CODRIVER

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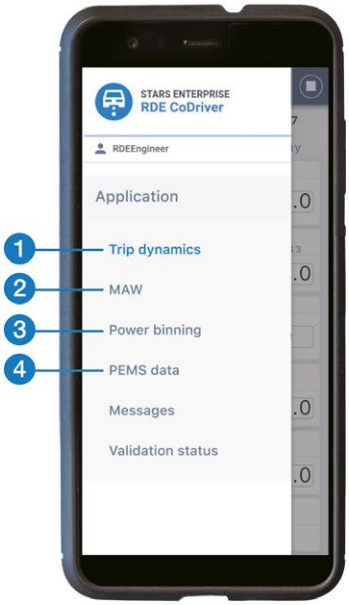
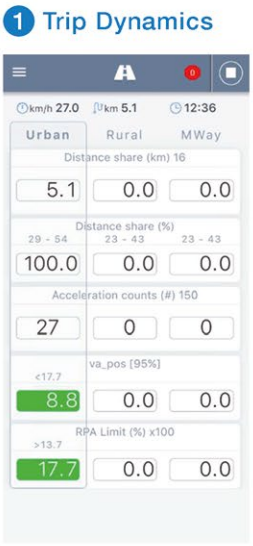
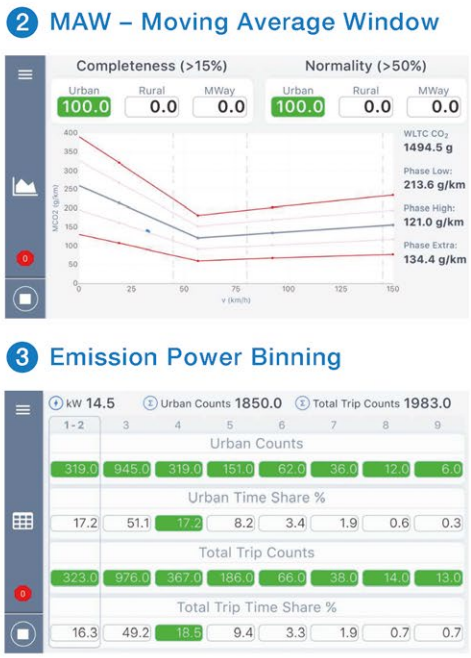
RDE Test Navigation System

In rallying the co-driver takes on the crucial role of navigating the driver through the turns and obstacles along the course. The RDE CoDriver is a mobile app navigating the driver through the complex Real Driving Emission (RDE) test requirements to ensure the successful completion of the test. These requirements include specific boundaries regarding trip composition, driving dynamics, altitude and temperature conditions.The app can also act as a training tool for drivers to familiarize themselves with new test routes and the associated driver dynamics.







FEATURES

- Navigates the driver through complex RDE test requirements
- Visualization of all relevant trip information
- Connects wirelessly to PEMS
- Supports moving-average-window (EMROAD) and power-binning (CLEAR) method
- Supports upload of test results to central data storage for immediate processing

KEY BENEFITS
Maximized Output of Valid RDE Tests

Throughout an RDE test, the RDE CoDriver app calculates and visualizes real-time information based on the data from a wirelessly connected PEMS (Portable Emissions Measurement System), such as the OBS-ONE. The app immediately informs the driver in case of a failure, reducing wasted test time and resources to a minimum. Data from the test will be collected within the device and can be directly viewed or uploaded to the central data storage for replication in the laboratory.

EFFICIENT
- Maximizes the output of valid RDE tests
- Minimizes wasted test time and resources
- Supports training of drivers without additional equipment

FLEXIBLE
- Supports iOS and Android devices
- Integrates various PEMS for RDE tests

INTEGRATED
- Seamless integration with laboratory automation system
- Monitor test drive from laboratory
- Upload of test results to the central data storage for immediate processing

FROM ROAD TO TEST CELL

The RDE CoDriver enables real-time data monitoring of RDE tests. Settings for the tests can be sent to and adjusted from the laboratory. Afterwards, the RDE test results can be replicated in the test cell. Both, RDE and replicated test results, are uploaded to the central data storage.

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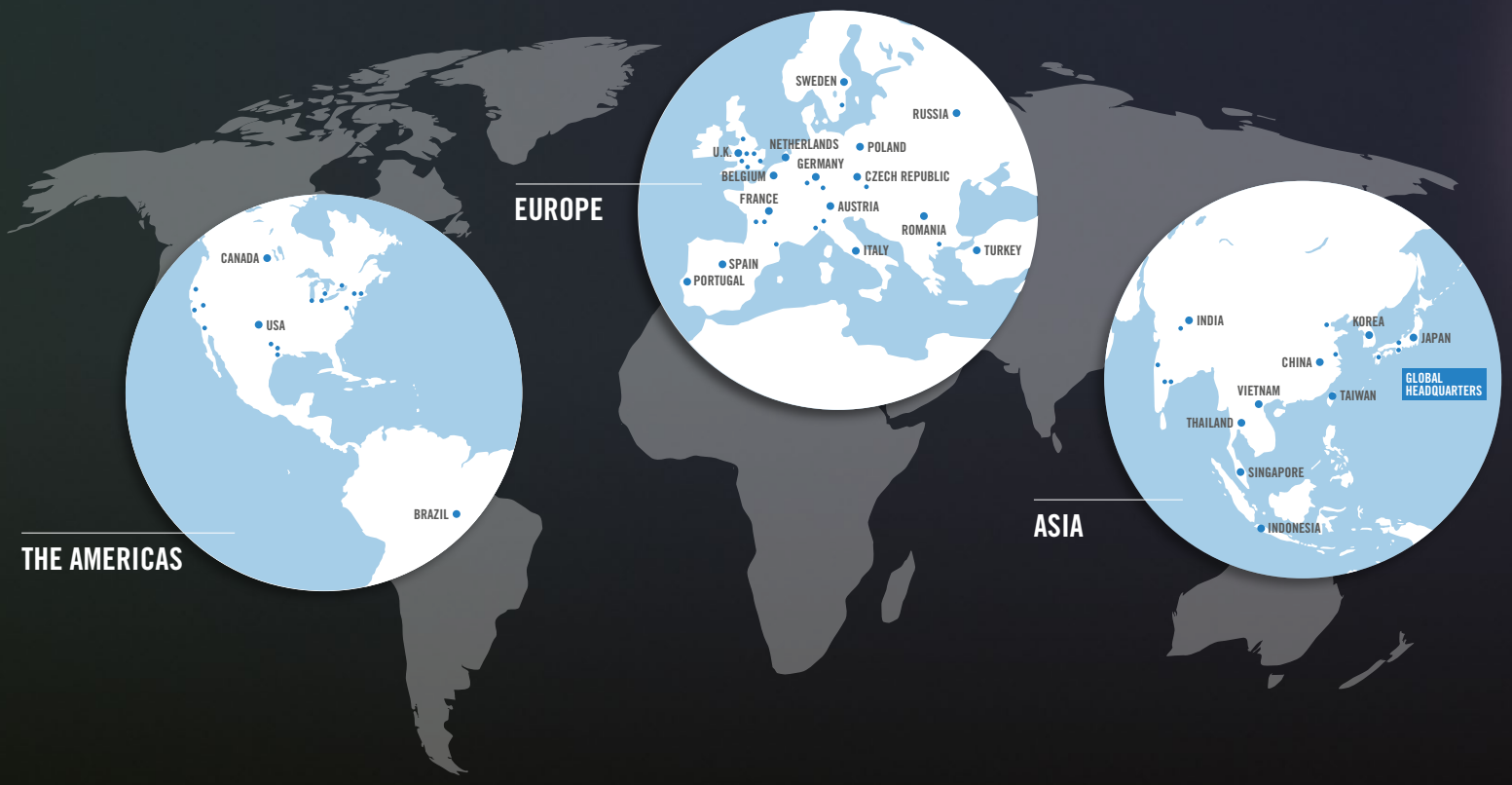

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