

HORIBA

RDE



This application links road-based RDE tests to the chassis lab and uplifts the process of delivering RDE tests for validation, verification and certification.

The application generates RDE data from real-world testing that can be used throughout the development cycle from concept through to certification.

Test success rates and efficiency are pushed to over 90% by RDE CoDriver, the app-based driver's aid that gives the tester access to real-time feedback.

Information is post-processed and transferred from the road test to the lab automation systems, ready for accurate RDE test replication.

Getting RDE testing right first time reduces programme time and cost and reduces the number of vehicle prototypes.

SMART SOLUTIONS FOR CLEANER AIR

BENEFITS

Time and Cost Savings from Improved Productivity

- » More efficient programme planning
- » Increased resource utilisation
- » CoDriver driver's aid gives real-time feedback on RDE metrics to ensure that test criteria are met on the road
- » Increased RDE road test success rate to over 90%
- » Higher facility throughput and PEMS utilisation

Confidence, Robustness and Accuracy Improvements

- » Automated data capture and seamless transfer to HORIBA VETS for Road-to-Rig RDE replication in the lab
- » Improved governance, traceability and data recall
- » Better accuracy with new exhaust flow measurement systems
- » Better correlation with the lab

SUCCESSFUL RDE ROAD TESTS

HORIBA's RDE CoDriver™ Application

The easy-to-use CoDriver app reports RDE test metrics to the driver in real-time allowing in-test adjustments to route and driving style to ensure a valid test every time.

Increased Productivity

High rates of success can double productivity and PEMS utilisation, minimising wasted time and costs.



DATA RESILIENCE AND SECURITY

STARS Enterprise RDE Application

Data captured by HORIBA OBS-ONE PEMS Weather Station and vehicle CAN interfaces can be uploaded onto cloud-based Enterprise servers where it is stored securely, post-processed automatically and transmitted onwards to other RDE+ applications for RDE replication.

HORIBA

RDEplus@horiba.com
www.horiba.com

ASIA

HORIBA Ltd.
2 Miyano Higashi
Kisshoin Minami-ku
Kyoto, Japan

EUROPE

HORIBA Europe GmbH
Hans-Mess-Straße 6
61440 Oberursel
Germany

THE AMERICAS

HORIBA Instruments Inc.
5900 Hines Drive
Ann Arbor, MI 48108
USA