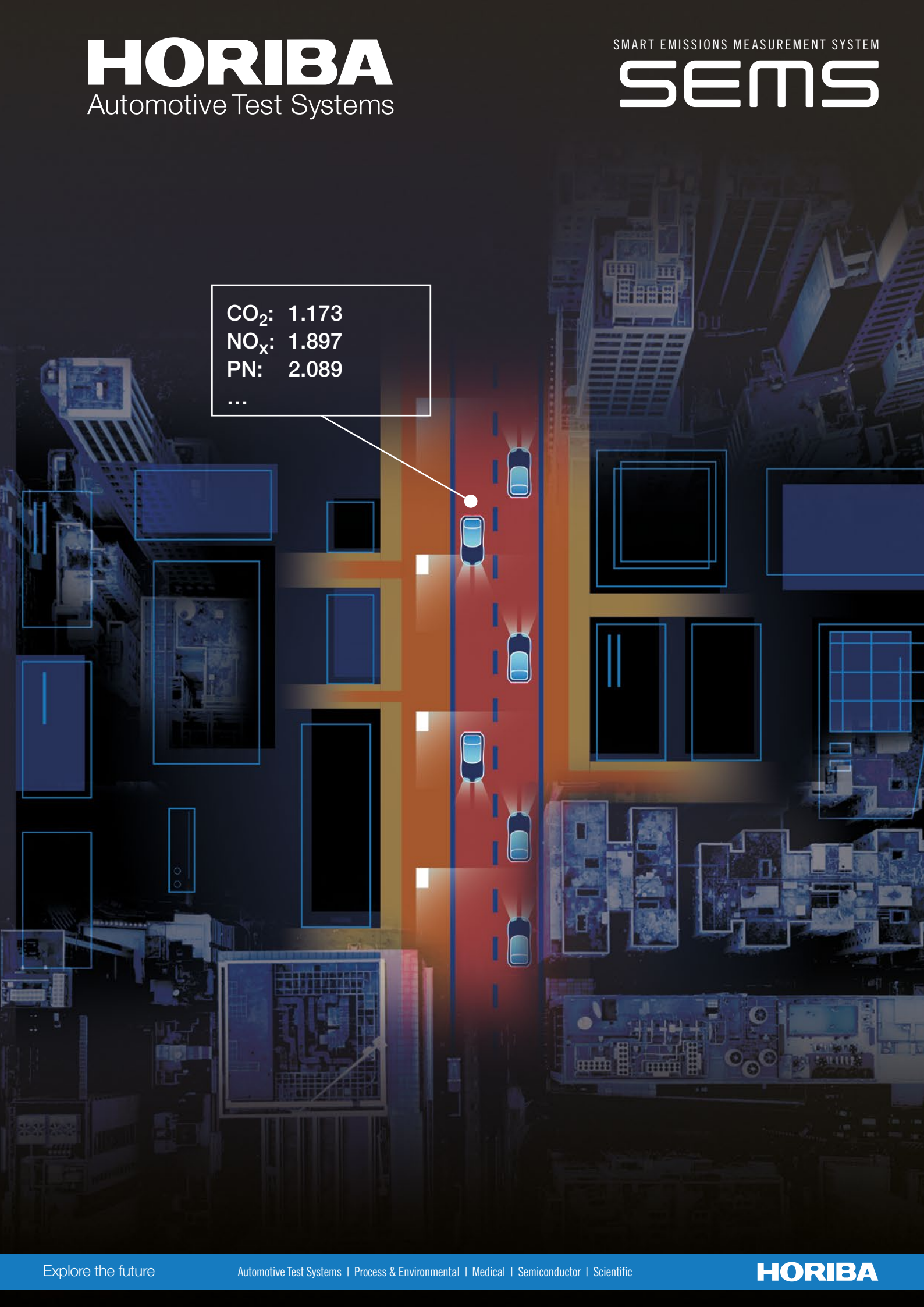


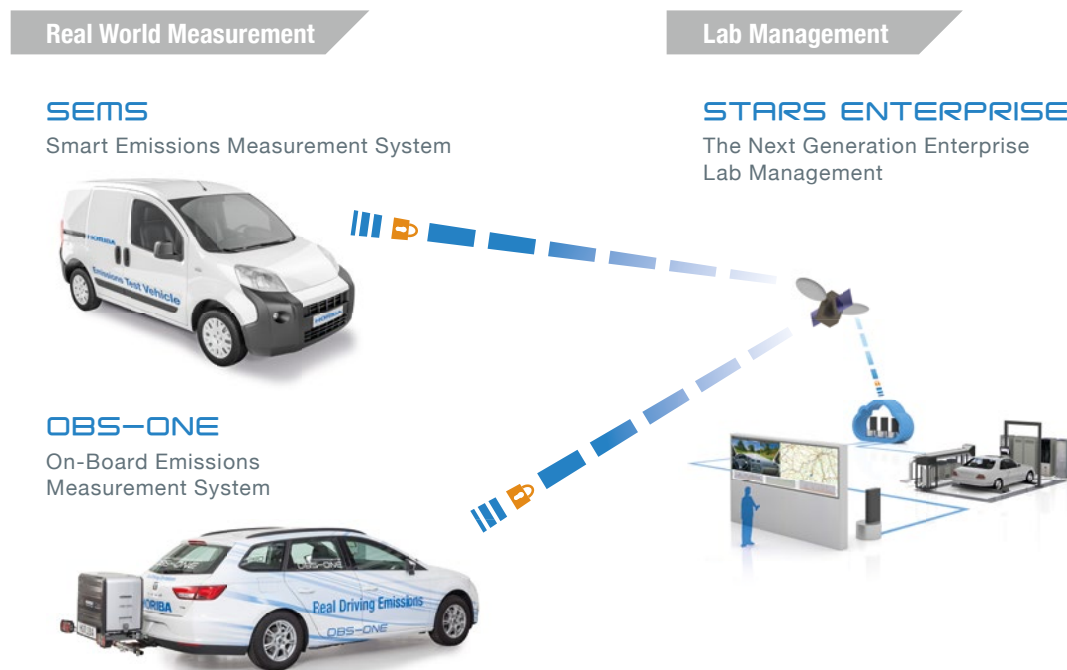
CO₂: 1.173
NO_x: 1.897
PN: 2.089
...



SEMS

Smart Emissions Measurement System

SEMS, the Smart Emissions Measurement System, is a highly compact unit. It can be used to collect emissions data and offers multiple analysis options. Due to SEMS' small size, measurements can be taken over a long period of time during road use and from a statistically reliable number of vehicles. Fields of application include the testing for conformity and development and the long-term tracking of the vehicle's environmental influence under real operating conditions.



FEATURES

- » Included in the RDE 4 Regulation (EU 2018/1832) for In-Service Conformity
- » Invisible from the outside, small and easy to install
- » Independent from vehicle or engine vendor
- » Use of OBD interface data possible
- » Applicable for mass data management
- » Integrated into STARS Enterprise platform

KEY BENEFITS

Mass Data Management of Emissions Data

The SEMS allows to collect emissions data from different sources (e. g. light- and heavy-duty vehicles, non-road mobile machinery, vessels) and analyze them immediately when they occur. While some parameters are measured directly (NO_x and NH_3), others are calculated through the data processing. This combined data is then used to fulfill customer requirements such as individual trip reports or field pollution reports.



COMPARABLE DATA

- » Standardized sensors
- » Real-time emissions monitoring



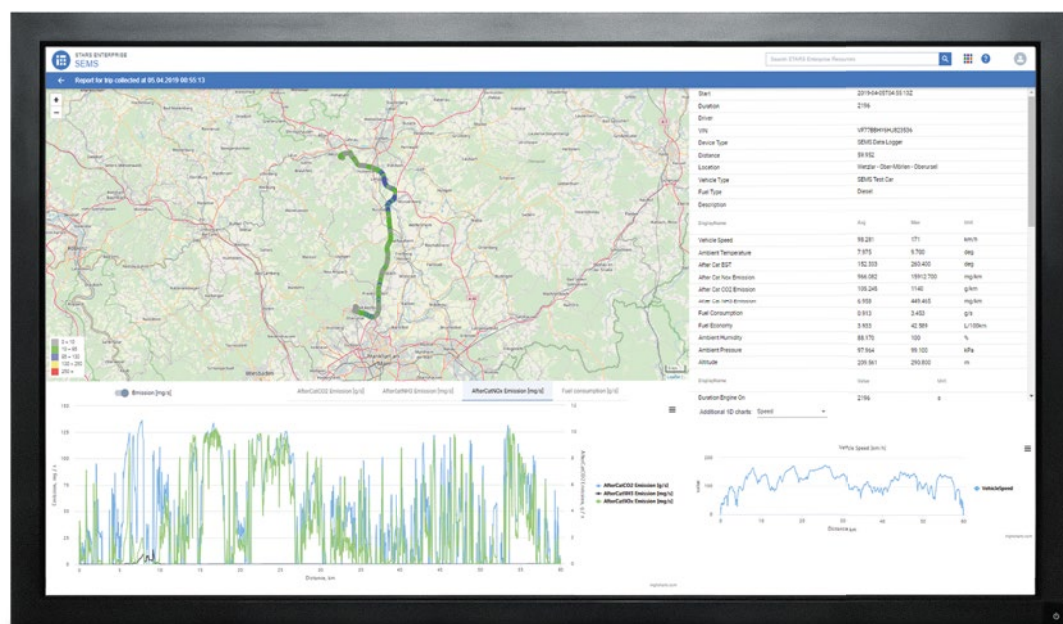
SIMPLE

- » Easy and fast installation and integration
- » Automatic data upload to cluster server



EXPANDABLE

- » Additional sensors or analysis possible
- » Open and flexible interface

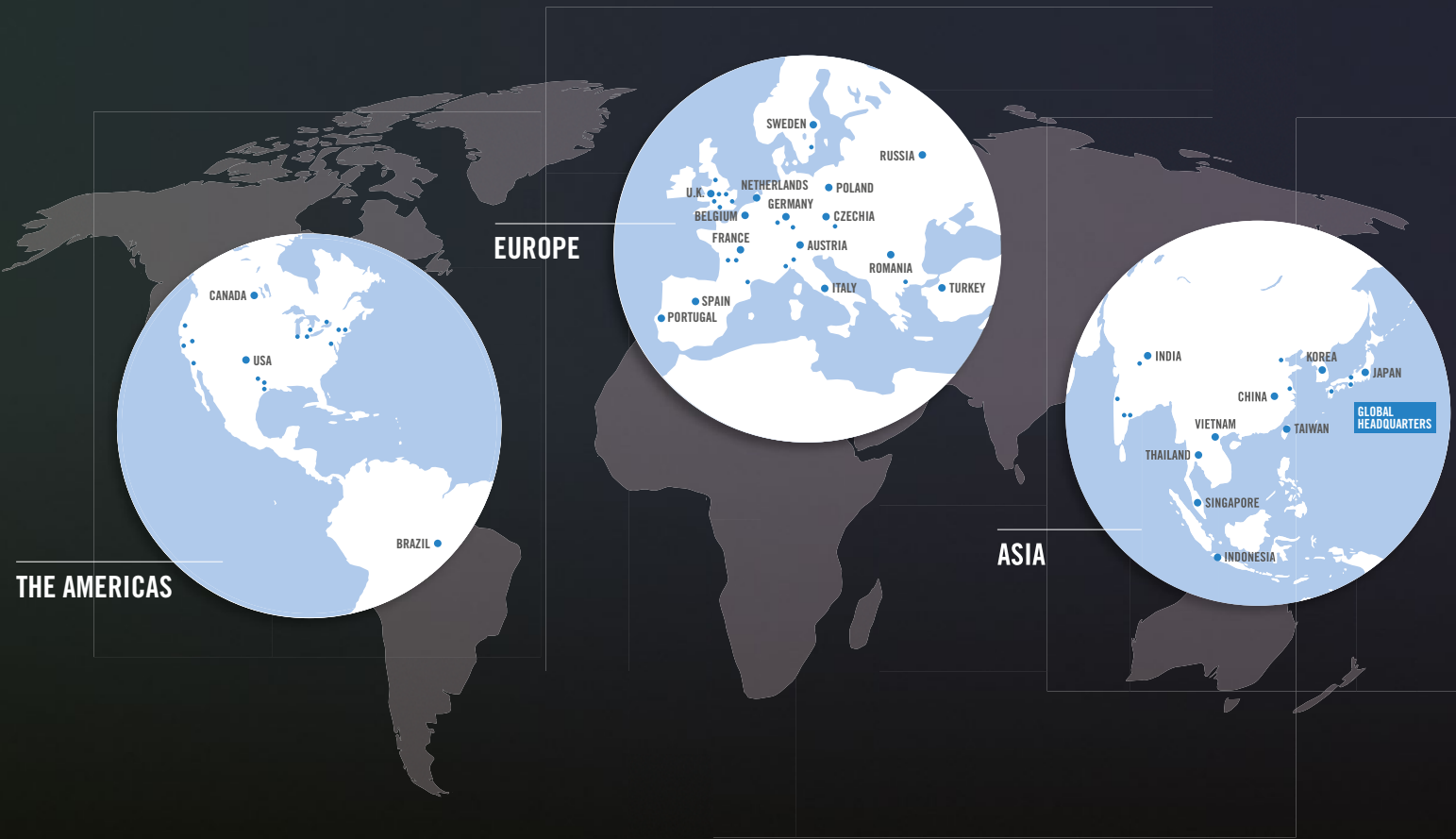


THE HORIBA GLOBAL NETWORK

ASIA
HORIBA Ltd.
2 Miyano Higashi
Kisshoin Minami-ku
Kyoto, Japan
info@horiba.co.jp

EUROPE
HORIBA Europe GmbH
Hans-Mess-Straße 6
61440 Oberursel
Germany
info.he@horiba.com

THE AMERICAS
HORIBA Instruments Inc.
5900 Hines Drive
Ann Arbor, MI 48108
USA
sales-ats.us@horiba.com



THE AMERICAS

EUROPE

ASIA



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