REAL DRIVING EMISSIONS (RDE)
Emissions under real conditions

On 19 May 2015, the European Commission has decided that real driving emissions (RDE) testing using a portable emissions measurement system (PEMS) will become part of the EU legislation.

Measurements under real driving conditions are mandatory for commercial vehicles since the Euro VI heavy duty emission Regulation entered into force.

Emission lifetime measurements of non-road mobile machinery (NRMM) in real operation are also being discussed at EU level.

By the extension of the current RDE legislation, emission measurements will become even more important in engine development. Pollutant-reducing measures need to be applied covering the complete engine map.

On our powerful engine and power-train test rigs, road conditions can be reproduced in an optimal way which thus provides excellent development conditions.

Thanks to our testing competence in the field of exhaust gas analysis on the test rig as well as on the road we are the right partner for your development projects!
EXTENDED SERVICES OFFERED BY KST MOTORENVERSUCH:

KST provides the complete scope of services, from picking up your vehicle to the analysis and evaluation of measurements. This includes the following:

- Logistics
- Application of measuring equipment
- Set and customer-specific test routes
- RDE road profile:
  - city, extra-urban, and highway sections / flexible configuration of required tracks possible due to ideal geographic location with different height profiles
- Determination of road traction resistance
- Emission measurement on a emission chassis dynamometer
- (WLTP, NEDC, FTP 75, RDE cycles)
- Execution of road tests
- Evaluation of measuring results

YOUR ADVANTAGE - OUR COMPETENCE:

- Experience with road testing
- Measurement runs with own staff
- Experience with emission measurements and corresponding measurement devices, own emission laboratory
- Infrastructure for road testing:
  - special building for preparation and instrumentation / maintenance / work shop
- Benchmark analyses
- Verification on chassis dynamometer
- Engine and powertrain testing:
  - customer-specific application on engine and transmission /
  - testing of powertrain components on highly-dynamic engine and component test benches

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