

# Bosch Engineering

## Applications Test Center

### Our Service



**BOSCH**

Invented for life



#### Technical equipment

Power-absorption roller:

- ▶ Maximum power 400 kW
- ▶ Maximum speed 310 km/h
- ▶ Headwind fan 250 000 m<sup>3</sup>/h

Exhaust-gas emissions test bench:

- ▶ Measurement system for EU6 adaptations
- ▶ Measurement system for hybrid and electric vehicles

Climatic test bench:

- ▶ Temperature range from -35°C to +35°C
- ▶ Measurement system for EU6 adaptations

Engine test bench:

- ▶ Transient tests with full-flow tunnel
- ▶ Power 550 kW, torque value 1 200 Nm

#### Applications Test Center

In our ultra-modern test center, we at Bosch Engineering provide suitable services and equipment for the complex measurements required for the development of vehicle systems. We work alongside you to design tailor-made complete solutions in accordance with your requirements. Our skilled team provides you with a comprehensive service: from concept design, vehicle preparation, test execution and documentation, to interpretation of the results. Short tracks and a holistic approach to all investigations ensure that tasks are handled efficiently and effectively.

#### Efficient Engineering

##### Requires Efficient Test Benches

The adaptation and examination of complex functions require ever more efficient testing equipment. We have created an ultra-efficient test center in Abstatt, with the most up-to-date technology for vehicles of all performance categories. Here, you are provided with testing technology and comprehensive expertise from the same source. Our applications test centre has been set up according to the very latest standards. Quality and innovation are our strong points, and we are continuously developing our testing technology, not just to enable us to achieve tomorrow's emission standards today, but above all to satisfy your needs and requirements.

## Waiting for you in the applications test center are:



Secluded assembly halls with lifting platforms for your own technicians



Refueling facilities with normal and certification fuel types



Highly dynamic engine test bench

## Our Test Facilities

For any specific testing tasks you may require, the following test facilities are available:

- ▶ Exhaust-gas emissions test bench (EU6 measurement system)
- ▶ Cold/climatic test bench (temperatures down to  $-35^{\circ}\text{C}$ )
- ▶ Cold cabinet for cold-start testing
- ▶ Performance test bench (max. 310 km/h, power max. 400 kW)
- ▶ Highly dynamic engine test bench with full-flow tunnel.

## Our Range of Services

- ▶ Workshop area with truck pits, vehicle weighbridge, tire fitting and wheel alignment unit
- ▶ Two temperature-regulated halls for up to 20 vehicles with a temperature range from  $20^{\circ}\text{C}$  to  $28^{\circ}\text{C}$
- ▶ Climatic cabinets for conditioning from  $-35^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$

## Our Service

- ▶ Organization of the testing procedure
- ▶ Performance of complete test sequences with vehicle modifications (e.g. COP tests)
- ▶ Professional vehicle preparation
- ▶ Including the installation of measurement systems
- ▶ Secure assembly halls for prototypes with access control
- ▶ Individual preparation and evaluation of measurement results

### Bosch Engineering GmbH

BEG-PT/EAE3

Postfach 1350  
74003 Heilbronn  
Germany

### Contact persons:

Markus Rheinhold – tel.: +49 (0)7062-911-6374  
Michael Brusche – tel.: +49 (0)7062-911-6986

[Testcenter.BEG@de.bosch.com](mailto:Testcenter.BEG@de.bosch.com)

[www.bosch-engineering.de](http://www.bosch-engineering.de)

Printed in Germany  
292000POP1-C/CCA-201104-En