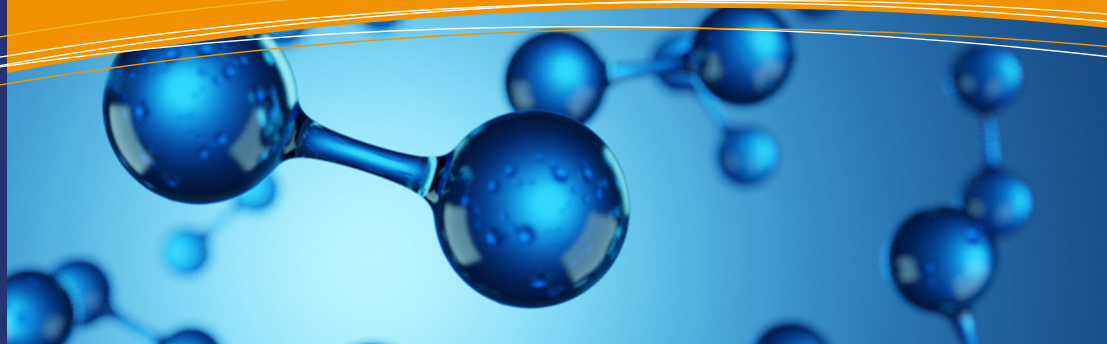




## TESTING POWERTRAINS TO MOVE THE FUTURE



### TEST CENTER

Modern and flexible test facility for the most diverse test tasks in the field of e-drive, hybrid drive and combustion engines.

**DEVELOPMENT TEST BENCHES**  
With modern measurement systems for e-drive, hybrid drive and combustion engines.

**ENDURANCE TEST BENCHES FOR E-DRIVE APPLICATIONS**  
With dynamic air- and media conditioning for durability and environmental tests of e-drives and e-axles.

**COMBUSTION ENGINES**  
All known types of dynamic as well as stationary test procedures

**POWERTRAIN TEST BENCH**  
For the testing of conventional, hybrid and purely electric drive trains.

## Hydrogen-Based Drives

Hydrogen engines and fuel cell drives are one of the key technologies for the global decarbonization of mobility.

In a mix of different energy sources and drive concepts hydrogen-based drives will play an important role in climate-friendly future transport systems.

As an innovative test house we are well prepared to support you in the development and testing of your hydrogen engines and fuel cell drives with our competence gained in over 50 years of experience in the sector of powertrain evolution of conventional and electrified drives.

### TEST CAPACITIES:

- Hydrogen combustion engines
- Fuel cell components and systems as well as complete powertrain systems
- Performance range up to 500kW
  - Hydrogen supply pressure max. 70 bar
  - Max. mass flow 50 kg/h (per test bench)
  - Different types of hydrogen are available
  - Intake air conditioning (25°C +/- 5°; 50% rel. humidity)
  - Cooling capacity down to -40 °C for oil and coolants
- Inverter tests
- Simulations (HiL)
- State-of-the-art measurement equipment

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