



H₂ Development and Testing

Hydrogen engines and fuel cells are key technologies for Zero Emission Mobility.

Hydrogen-based drives using green hydrogen characterize the promising future of climate-friendly transport systems.

With over 50 years of experience in the field of engine and drive train development, we are fully prepared to provide you with effective support in the development and testing of your hydrogen-based drives.

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TESTING POWERTRAINS TO MOVE THE FUTURE

AVAILABLE TESTING CAPACITIES:

- Hydrogen engines
- Fuel Cell systems and components
- Functional tests
- Efficiency optimisation
- Automated durability testing and validation
- Calculations & Simulations

TEST CELL EQUIPMENT FOR HYDROGEN-BASED DRIVES:

- Performance range up to 500kW - increased performance in preparation for 2022
- Hydrogen supply up to 200kg/h and max. 70bar
- Hydrogen logistic in continuous expansion
- Operational capacity with mixed gases: CNG + H₂
- Intake air conditioning (25°C +/- 5°C; 50% rel. humidity)
- Cooling capacity down to -40°C for lubricants and cooling fluids

KST is ready for Zero Emission Mobility!

