



## OUR TEST BENCHES FOR YOUR INSPECTION TASKS

We offer companies the opportunity to test their diesel and gas engines as well as generator sets on our modern test stations.

With our advanced infrastructure of the test benches, we also facilitate innovative applications beyond conventional combustion engines.

Would you like to optimize your application, and are you looking for an opportunity to run various performance tests? Then you can rely on us as a test partner.

Separately operated test stations ensure high availability at short notice and offer a wide range of services.

You receive all the test certificates from a single source – for mechanical and electrical inspections.



## ARE YOU INTERESTED? GET IN TOUCH!

We are open to innovations and technical challenges beyond our standard scope of services. An inspection of the test bench and discussion of the test requirements is possible at any time.

Set up your appointment today – we are ready for you and your requirements.

## YOUR CONTACT

Telephone: +49 (0) 4202 91 46 0

E-Mail: [zps-testbench@zeppelin.com](mailto:zps-testbench@zeppelin.com)

## ZEPPELIN POWER SYSTEMS GMBH

Zeppelinstr. 2a  
28832 Achim, Germany

[zeppelin-powersystems.com](http://zeppelin-powersystems.com)



## OUR TEST BENCHES FOR YOUR INSPECTION TASKS



## ABOUT US

Zeppelin Power Systems is a leading provider of drive and energy systems based on highly efficient engines for all areas of application with an output range of 10 to 16,800 kW. Our customers rely on us when it comes to diesel and gas engines, emergency power systems, power generators, complete systems for marine, rail, oil and gas applications or combined heat and power plants. They benefit from our outstanding engineering expertise, which ensures a high degree of plant and machine availability.

All generator sets or engines that leave our production facility are subjected to thorough testing on our advanced test benches, where necessary. In addition, customers can request to be present at the Factory Acceptance Test (FAT) and receive detailed performance documentation as proof. Acceptance processes with classification auditors are also included in the portfolio..



# COUNT ON US WHEN IT COMES TO YOUR ENGINES AND GENERATOR SETS



## TEST US – WE TEST FOR YOU!

Use our advanced test benches to verify your performance standards. Equipped with state-of-the-art technology, you can realize all required mechanical and electrical test runs.

**The Zeppelin Power Systems test bench is a service provider for all engines, makes and manufacturers.**

## OUTPUTS OF THE TEST AREA

- Test benches for generator sets with an output of up to 6,000 kWel
- Island parallel operation of up to three modules
- Lagging and leading Test runs with a cos phi of 0.8 to 1
- Rated voltages of 400/690 V and 50/60 Hz
- Output tests with medium voltage generator sets up to 11.5 kV
- Mains parallel operation up to 2,500 kVA

- External test bench for testing complete container generator sets
- Higher capacities and voltages on request
- Water vortex brakes for performance tests for engines up to 4,300 kW<sub>mech</sub> and torque of max. 40,000 Nm
- Recording and documentation of performance data and measured values
- Option to choose between different fuels (e.g. diesel, gas, HVO) and operating fluids (e.g. coolant or oil)
- Use of the infrastructure at the test area possible, also for innovations

**Our highly qualified and experienced test bench personnel will provide you with comprehensive advice and support:**

- Your test project on our test bench
- Test runs with classification and auditors (DNV GL, TÜV, etc.)
- Documentation of the measurement runs with calibrated measurement equipment
- Measurement of exhaust gas values, sound, vibration, volume flow, illuminance or thermography
- Consumption measurements and costefficiency certificates
- DGUV tests
- Tests according to the relevant regulations and specifications
- Adjustment work, engine optimizations and shortterm repairs in consultation with you are also possible in the test area