

PERFORMANCE CERTIFICATES FOR YOU

We offer external machine and system builders the opportunity to test their products' technical performance on our advanced test benches.

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

Eight separately operated test benches provide you with a high degree of availability at short notice, and a wide range of services.

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

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

- Test runs with classification and testing societies (DNV GL, TÜV, etc.)
- Documentation of the measurement runs with calibrated measurement equipment
- Exhaust measurements and characteristic data capture
- Adjustment work, engine optimizations and required repairs, which can also be performed at short notice
- Consumption measurements and cost-efficiency certificates
- DGUV tests
- Tests in accordance with the relevant regulations and specifications

POINT OF CONTACT

Interested? Get in touch!

We welcome a visit and are happy to discuss test requirements with you at any time. Set up your appointment today – we're ready for you and your requirements:

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**Our test benches for your
performance certificates**



www.zeppelin-powersystems.com

ABOUT US

Zeppelin Power Systems is a leading supplier in the drive and energy sectors and provides highly efficient engines for all areas of application with an output range of 10 to 16,800 kW. Our customers have confidence in us when it comes to diesel and gas engines, emergency power systems, power generators, complete systems for marine, rail, oil, and gas applications, and 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 subject to thorough testing on our advanced test benches. Customers can request to be present at the factory acceptance test (FAT), and receive detailed performance documentation as proof shortly after. Acceptance processes with classification societies are also included in the portfolio.

Count on us for your engines and generator sets.



WHAT WE OFFER

Use our advanced test benches to verify your performance standards.

Our second cutting-edge test bench was completed in spring 2016, and is now ready and waiting for you to use. Equipped with state-of-the-art technology, you can arrange all the mechanical and electrical test runs you require.

NEW TEST BENCH PERFORMANCE PACKAGE

- 3 test cells with a total output of 6,000 kW_{el}
- Test runs for diesel and gas engines and generator sets
- 3 test cells for testing generator sets with a maximum output per cell of 3,000 kW_{el} (higher outputs on request)
- 1 test cell with additional water vortex brake for performance tests for engines up to 4,500 kW_{mech}
- Single, island and island parallel operation of up to 3 generator sets with nominal voltages of 400/690 V and 50/60 Hz (special voltages on request)
- Performance tests with medium voltage generator sets, 6.0 to 7.0 kV and 10.0 to 11.3 kV
- Network parallel operation of single generator sets up to 2,500 kVA in the low- and medium-voltage ranges
- Tests on generators with a reactive power of up to $\cos \phi = 8.0$



Our first test bench also continues to be available:

- 5 test spaces for generator sets with an output of up to 1,400 kW_{el} each, at $\cos \phi = 1$
- Test runs for diesel and gas engines and generator sets
- 6 dry resistors with an output of approximately 5,000 kW_{el}
- 1 water brake test space with an output of approximately 2,000 kW_{el}
- 1 water brake test space with an output of approximately 2,000 kW_{mech}
- Voltage ranges between 400 and 690 V (special voltages on request)
- Island parallel operation of up to 3 generator sets
- Network parallel operation up to an output of 2,500 kVA