



Testing on
test rigs

YOUR PARTNER FOR



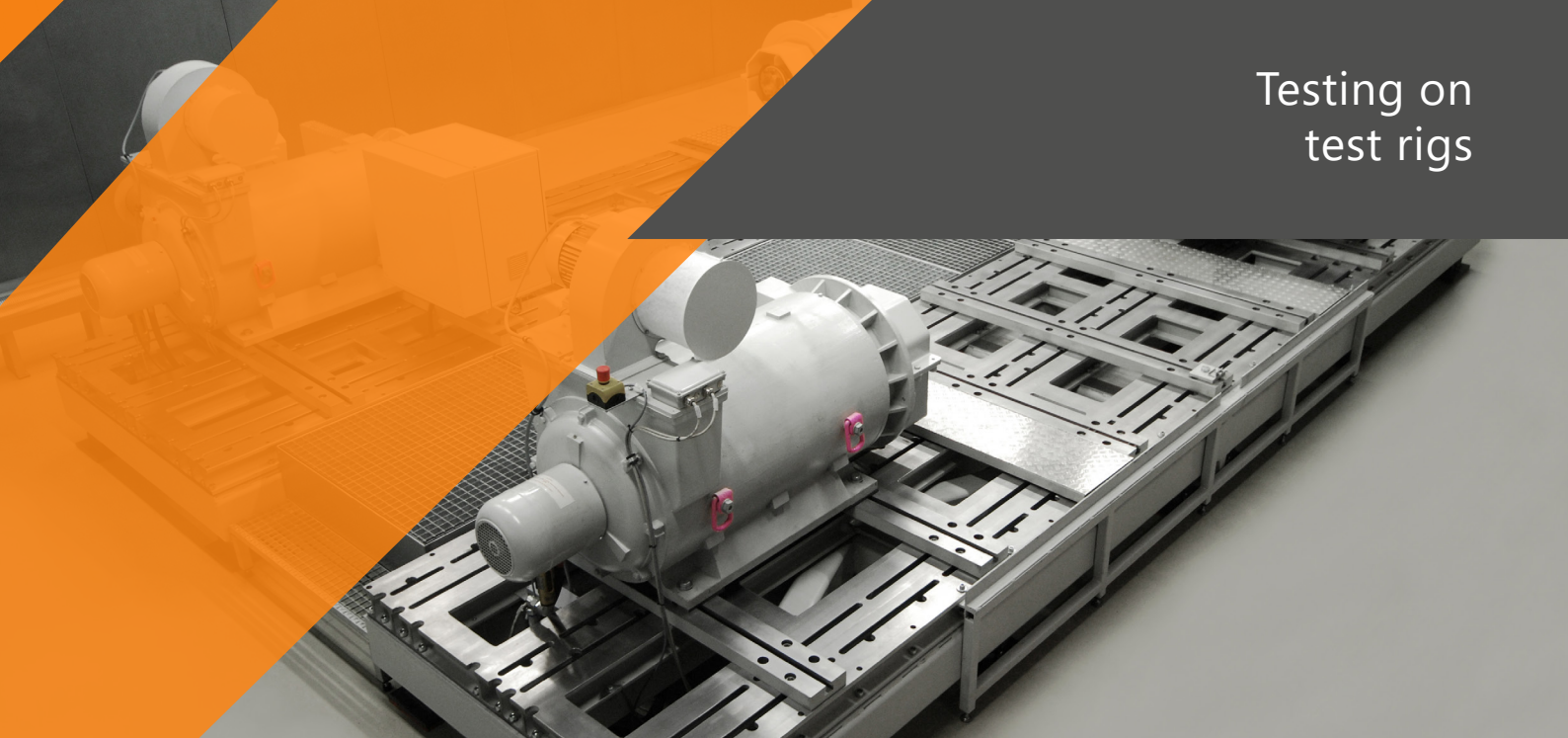
Engineering



Simulation



Testing



TESTING ON TEST RIGS

Testing of powertrains and drive trains is one of the most important tasks in vehicle development and is becoming increasingly complex. Increasing demands on mechanical performance and the continuous improvement of efficiency require special and efficient test and measurement methods at every stage of development. In this dynamic environment, our customers rely on our proven methods and fully automated test rigs in powertrain development and testing. In our test field for powertrain components/systems or the entire powertrain, functional testing, benchmark tests, abuse tests, durability tests, etc. are carried out on all relevant variables such as torsion, torques, speed, and many more.

Road-to-Rig test rig

Due to the high control frequency of 10 kHz, the test specimen experiences realistic stress, which reduces costly, real-life driving tests and cuts time and development costs.

Preliminary simulation of the test execution

Detailed pre-simulation identifies potential problems at an early stage, reducing rework and corrections in advance.

Optimised test facility management

The parallelization of specific processes such as the planning of the test setup, simulation and programming of the automation achieves significant time savings until the start of testing.

Automated test field monitoring

With the help of our specially developed test field monitoring system, we are able to evaluate quality and process data across our entire test field and across different locations in real time and display them graphically in a clear manner. This enables us to achieve optimum capacity utilization and reduce downtimes in the implementation phase.

TOGETHER INTO THE CO2-NEUTRAL FUTURE!