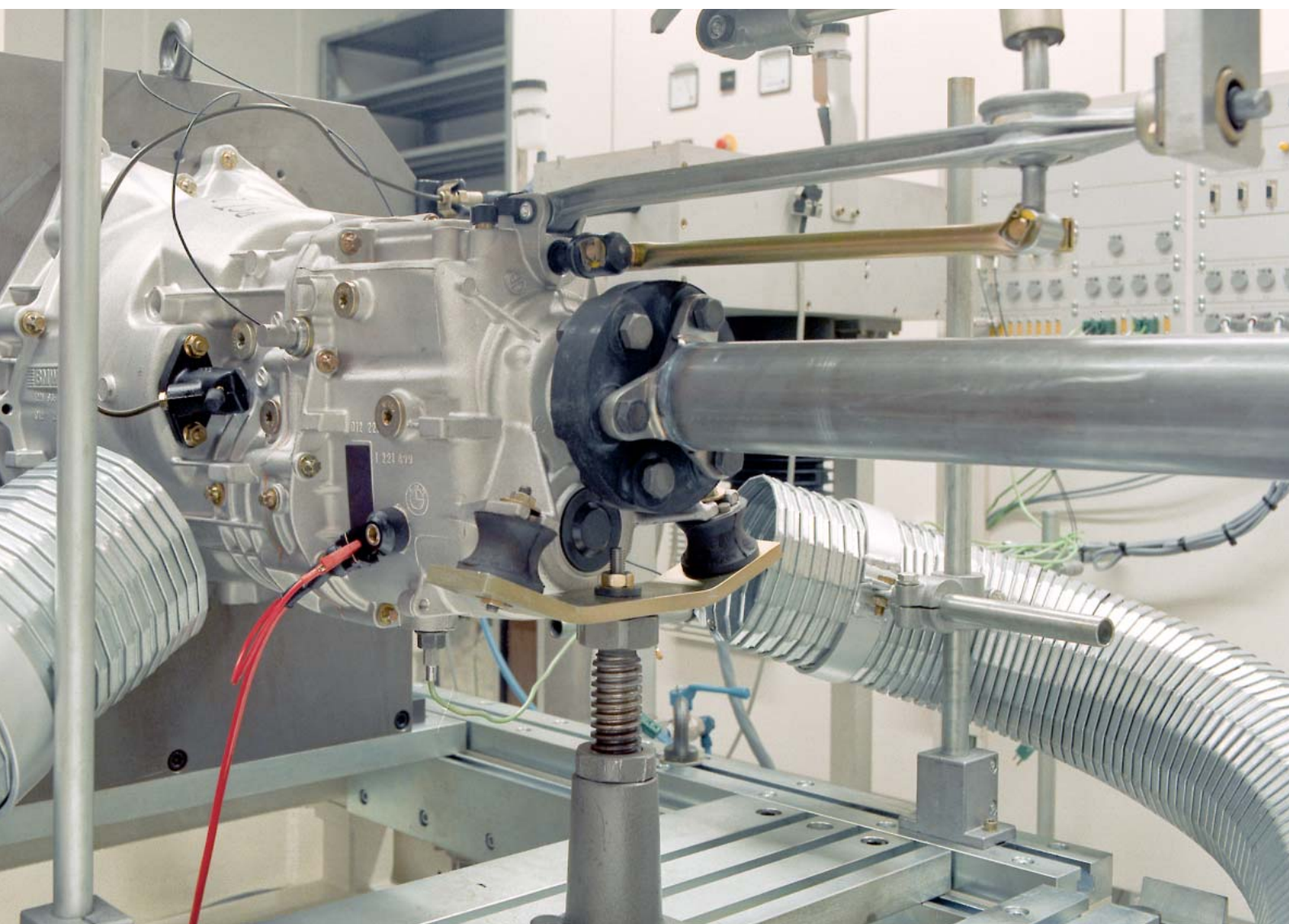


TEST SYSTEMS

Engineering Excellence

Individual solutions for Test Systems



Solutions for the automotive industry, wind power applications, wind tunnels

Our mission is to provide our test stand sector clients with first-rate drive technology and tailor-made, customized applications.

—
01 Example for
transmission test rig

To this end, we design and deliver individual drive components as well as integrated tailored test stands and special drive solutions for all kinds of purposes.

Advanced ABB drive technology serves as the foundation for our versatile drive solutions for test stands in the automotive industry and in the megawatt area for wind power applications, wind tunnels and balancing systems.

ABB drive technology – reliable and powerful

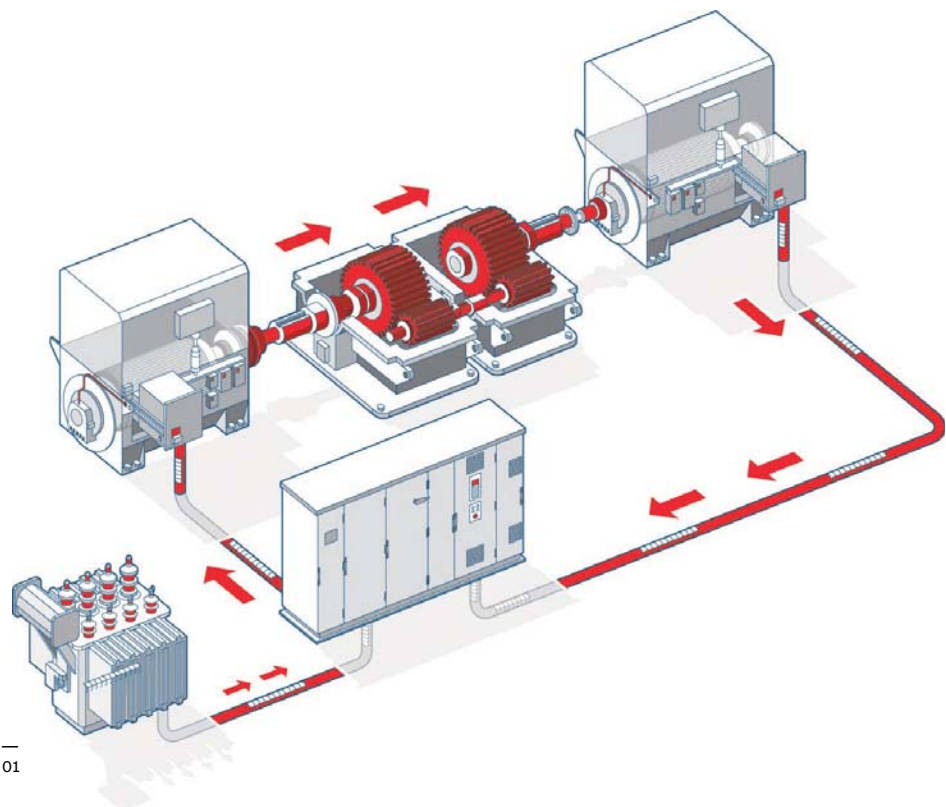
ABB drives enjoy a worldwide reputation for second-to-none performance, reliability, user-friendliness, innovative construction and flexibility.

Designed for the unique requirements of the vast application range surrounding test stands, ABB's modular series of ACS frequency converters

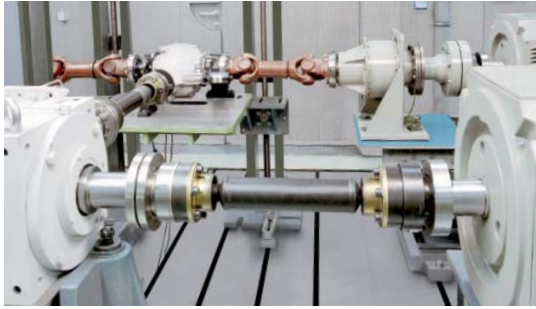
presents a universal range of drives for single- or multiple-machine systems. In the low voltage range, the ACS880 stands for one of the top cutting-edge and innovative series of IGBT converters with Direct Torque Control (DTC) technology. In the medium voltage range, we offer the ACS 1000, -5000 and -6000 series in IGCT technology or ACS 2000 versions using IGBT technology. Our Megadrive LCI comes to use for extreme drive capacities up to 100 megawatts.

ABB drives and their application ranges

Drive series	Nominated voltage	Capacity
ACS880	230/400 to 690 V	6100 kVA
ACS 1000/2000 ACS 5000/6000	2,3 to 6,9 kV	315 kVA to 36 MVA
Megadrive LCI	Up to 10 kV	Up to 100 MW



- 02 Driveline test stand
- 03 Wind tunnel
- 04 Vehicle test stand as container solution



02

Our expertise – Tailor-made, customized drive solutions

A multitude of successfully implemented test stand projects for numerous automobile and component manufacturers, their vendors, technical universities and research institutes bear witness to our expertise, examples of which include:

- Loading units for engine test stands
- Complete transmission and power train test stands
- Component test systems such as brake test benches
- Special solutions for EMC test rigs
- High-speed drives for electrical machinery tests, e.g., for hybrids and electric vehicles
- Test stands for wind power systems and their components, e.g., wind turbine gearboxes
- Wind tunnel fan drives and drives for balancing units with medium voltage technology in the megawatt range
- Flexible container solutions for switchgears, control and utility systems, as well as fully integrated test stands



03

Engineering excellence – competence and know-how

Our dedicated, highly experienced team of specialists creates solutions that are right for you. Our services comprise:

- Consulting, conception and application engineering
- Specific drive sizing
- Expert project implementation
- Knowledgeable engineering on an individual basis
- Special solutions and upgrades
- Design and manufacturing of mechanical systems for drives
- Professional installation, competent commissioning and reliable after-sales service – worldwide

As the leading technology provider with extensive experience, we're your competent, reliable partner for test stand applications and special drive solutions.

Come see for yourself. Contact us!



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