

SGS SERVO-HYDRAULIC TESTING

Located just north of Detroit, our ISO 17025 accredited, 33,000+ square foot facility on almost 2.5 acres in Troy, MI is capable of performing servo-hydraulic, shock and vibration testing. A leader within the industry for testing and engineering services, SGS serves customers in a wide range of industries including; automotive, off-road, heavy truck, aerospace, power sports, marine and military. Through investments in technology, the use of flexible equipment, and collaboration with our network of SGS labs, we work hand-in-hand with our customers to create accelerated lab-based testing methods that support shorter product life-cycles in order to bring products to market quickly and efficiently.



FATIGUE, DURABILITY & LIFE CYCLE TESTING

SERVO-HYDRAULIC TESTING CAPABILITIES

- Fatigue
- Durability
- Block cycle
- Tensile and compression
- Impact
- Rotary
- Static bending and torsion
- Testing combined with thermal cycling

EQUIPMENT

- Over 100 servo-hydraulic linear actuators with a capacity in excess of 100,000 lbs and up to 200 Hz
- Rotary actuators with a capacity up to 100,000 in/lb and a +/- 50 degree rotation
- Custom designed heavy duty shock absorber test stands
- MTS 4-post road simulator with 11-kip actuators
- Environmental simulation including hot, cold and humidity
- MTS and Shore Western hydraulics controllers

APPLICATIONS

- Shock absorbers and dampers
- Chassis and suspension
- Steering
- BIW and body structures
- Powertrain
- Seating systems
- Interior cockpit
- Exterior

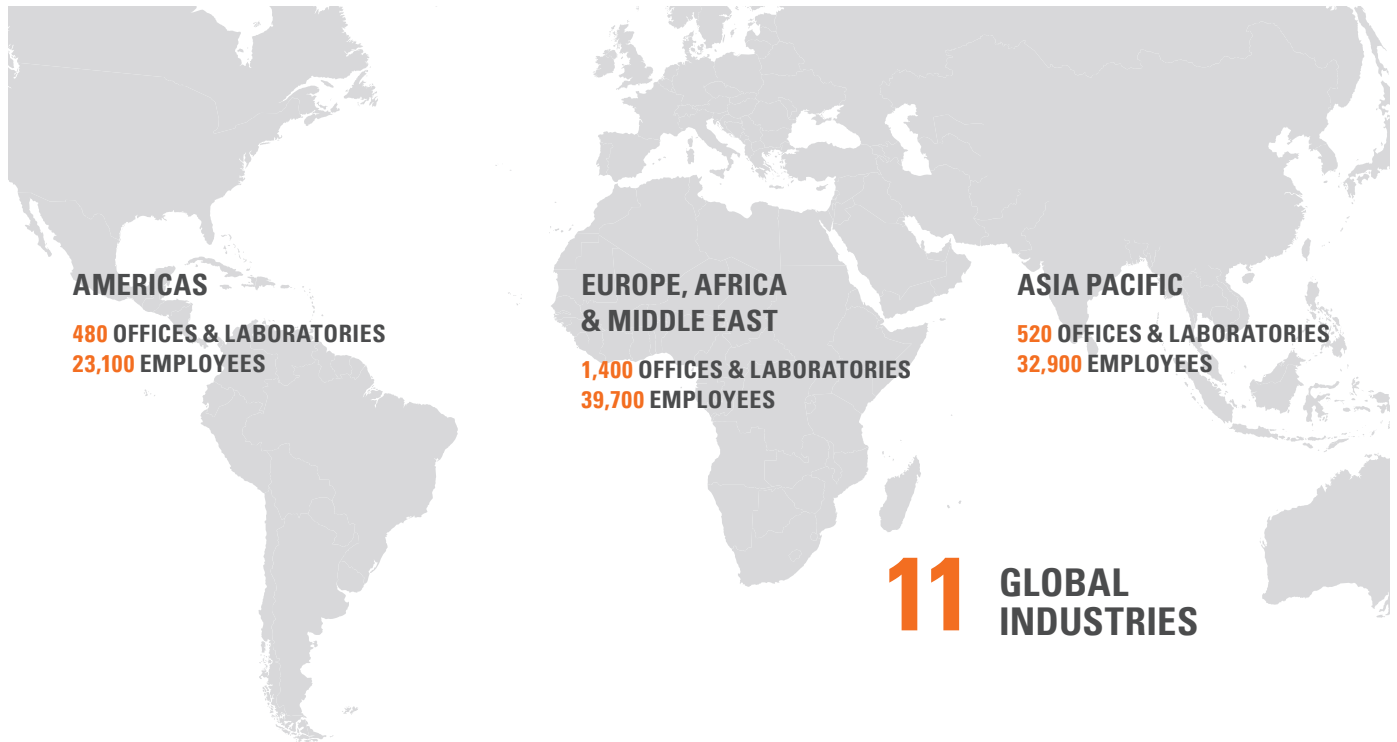
CONTACT US

To request a quote or discuss your testing needs in detail, please call +01 844 730 4175 or email us.transportation@sgs.com.



SGS GLOBAL & LOCAL

95,000 EMPLOYEES | 2,400 OFFICES & LABORATORIES AROUND THE WORLD



GLOBAL SERVICE LOCAL EXPERTISE

SGS TRANSPORTATION

- Automotive
- Aerospace & Defense
- Military
- Marine
- Off-road
- Non-road
- Small Engine
- Power Sports
- Agriculture
- Portable Fuel Containers
- Industry Groups
- Government & Regulatory Agencies

CONTACT US

VARIABLE ALTITUDE ENGINE & VEHICLE TESTING
Aurora, CO

TEST CELL SOLUTIONS, SOFTWARE AND VARIABLE HORSEPOWER ENGINE AND VEHICLE TESTING
Columbus, IN

ROCKY MOUNTAIN HIGH ALTITUDE TEST CENTER
Empire, CO

MILEAGE ACCUMULATION CENTER
Jackson, MI

FUEL & COMPONENT SYSTEMS TESTING
Lapeer, MI

CATALYST AGING & COMPONENT TESTING SERVICES
Taylor, MI

COMPONENT TESTING & ENGINEERING SERVICES
Troy, MI

WHEN YOU NEED TO BE SURE

SGS