

SGS VEHICLE & ENGINE SERVICES

VARIABLE HORSEPOWER, HIGH FLEXIBILITY AND EXTREME TEMPERATURE TESTING AT SEA LEVEL

The instrumentation professionals and testing experts at SGS's expansive Columbus, IN sea level testing center are equipped to handle anything from chassis dynamometer testing, extreme temperature testing of oversized vehicles, engines and other test components to full project management. With repeatable conditions, high quality measurements, and controlled test sequencing, you'll get results you can trust. SGS also offers modern, flexible test automation software, test cell solutions and a wide array of professional services.



SEA LEVEL FACILITIES

- 100,000 SF of modern testing space
- Extreme temperature capabilities from -40° F all the way to 150° F that can support continuous loaded running
- Two large variable temperature chambers measuring 22' x 60' x 20' with 12,000 CFM cold combustion air
- 1200 hp engine dynamometer
- 150 hp vehicle chassis dynamometer
- Specialized DEF system validation test bed
- Variable temperature SHEDs

TEST PROGRAMS

- Cold start/continuous loaded running
- Thermal performance profiling
- Engine testing for emissions, performance, durability and aging
- Generator set testing
- Emissions component testing
- Controls and diagnostics verification
- High pressure alternative fuels: liquid and gaseous
- Diesel testing and development

APPLICATIONS

- On highway trucks and buses
- Off highway equipment
- Off road vehicle and power sports
- Power generation
- Locomotive and marine

SERVICES AVAILABLE

- Instrumentation
- Installation and setup
- Test operations
- Maintenance
- Analysis
- EPA and CARB procedures performed

SOFTWARE

- Data acquisition and control software
- Post test analysis software
- Cost effective, real-time
- Flexible, third party integration
- Scalable for a range of testing environments

PROFESSIONAL SERVICES

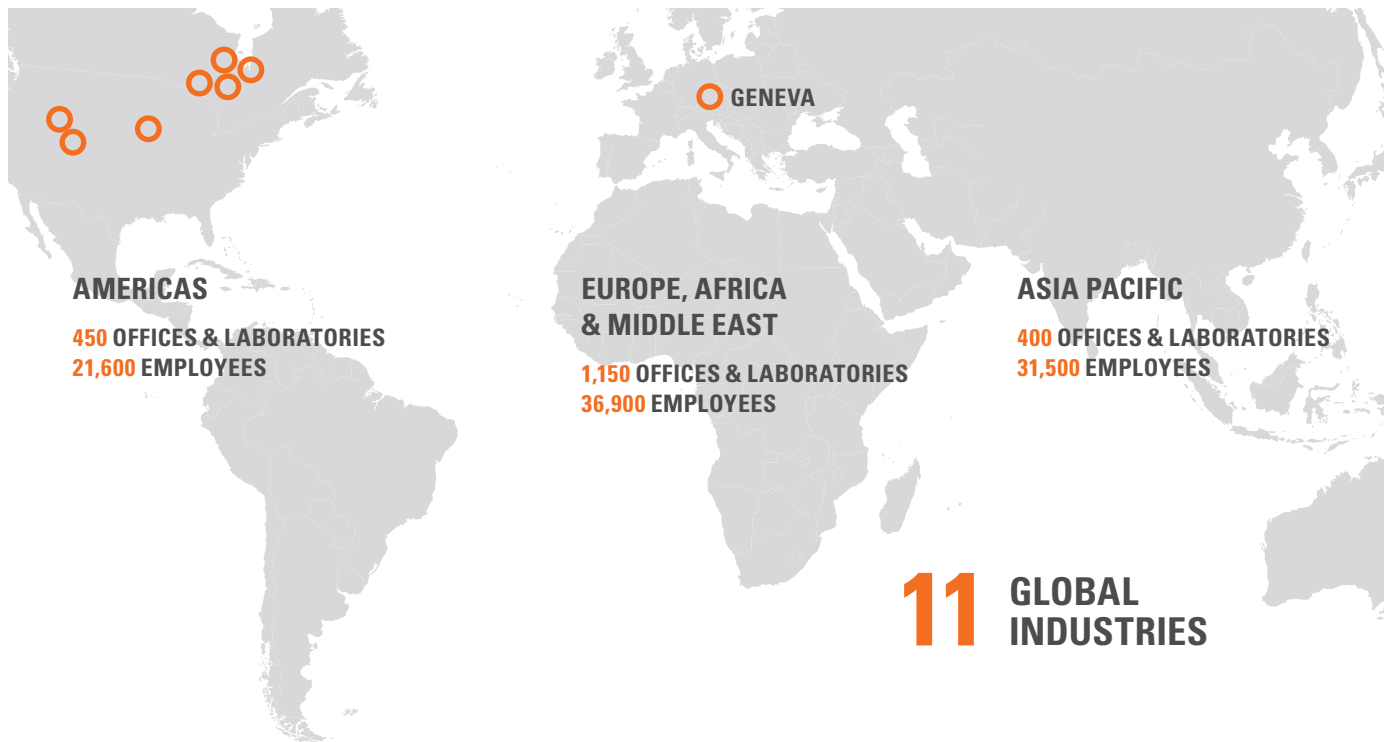
- Available services include anything from program management and planning to complete facility design
- Can help you define, manage, deliver and verify your testing projects
- Specification and design development
- Vendor qualification and selection support
- Equipment selection, design and fabrication
- Construction administration, owners' representative, commissioning and performance validation

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

90,000 EMPLOYEES | 2,000 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 AT ALTITUDE
Aurora, CO

COMMERCIAL VEHICLE | POWER GENERATION ENGINE & COMPONENT SERVICES AT SEA LEVEL
Columbus, IN

ROCKY MOUNTAIN HIGH ALTITUDE TEST CENTER
Empire, CO

MILEAGE ACCUMULATION CENTER AT SEA LEVEL
Jackson, MI

FUEL & COMPONENT SYSTEMS TESTING
Lapeer, MI

CATALYST AGING & COMPONENT TESTING SERVICES
Taylor, MI

COMPONENT TESTING & ENGINEERING SERVICES
Troy, MI