

# SGS LARGE FORMAT COLD TESTING

## SGS PROVIDES CONVENIENTLY BAD WEATHER ALL YEAR LONG FOR YOUR COLD TESTING NEEDS

Rapid product development cycles depend on plannable work. Waiting for the weather to diagnose or validate a product feature adds months of schedule and uncertainty to development programs, and working in weather can be inconvenient and dangerous. SGS's expansive climate center in Columbus, IN offers a controlled environment that removes technical, cost, and measurement uncertainty from your development program.



### 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](mailto:us.transportation@sgs.com).



### TESTING CAPABILITIES

- Two 40' x 60' x 20' test chambers can handle large vehicles, engines and other test components
- Temperatures can range from -30°F to 150° F
- Capable of continuous running rated conditions on 2000 BHP engines at -20°F
- When chambers are combined, we are capable of running rated conditions on 4000 BHP engines at -20°F

### SUPPORT SERVICES

- Fueling
- Load management
- Test instrumentation and controls
- Emissions measurement
- Installation and setup
- Test operations, measurement and analysis
- Maintenance

### APPLICATIONS

- Vehicles
- Generator sets
- Battery and start systems
- Machinery
- HVAC systems

### TEST TYPES AVAILABLE

- Cold start for engines and vehicles
- Cold performance
- Thermal performance profiling
- Cold mechanical development
- Thermal modeling verification
- Current product troubleshooting
- Cold procedure verification
- Thermal protection and enhancement testing

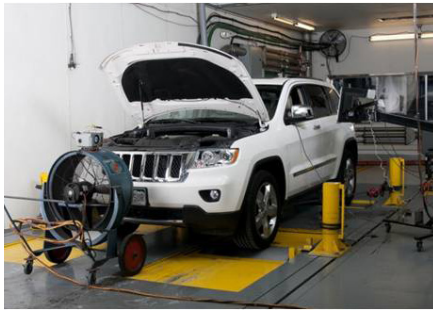
### BENEFITS TO USING OUR CLIMATE CENTER

- Faster time to market when cold testing is needed
- Convenient central location reduces travel time and cost
- Quantifiable and repeatable test conditions
- ISO 9001:2008 weather
- Data quality measurement is built-in
- Controlled test sequencing
- About an hour to Indianapolis, Cincinnati and Louisville

The SGS logo, consisting of the letters 'SGS' in a bold, sans-serif font. The logo is positioned at the bottom right of the page, with a vertical orange line to its right and a horizontal orange line below it.

# SGS UNIQUE TESTING SOLUTIONS

When your testing is performed at an SGS laboratory, rest assured that the results will be of the highest quality in the industry. Our laboratories are used by automotive and engine manufacturers, suppliers, the petrol chemical industry, the research community and government agencies among others. We offer vehicle procurement, engineering services, control system calibration, data analysis and project management to meet specific customer needs.

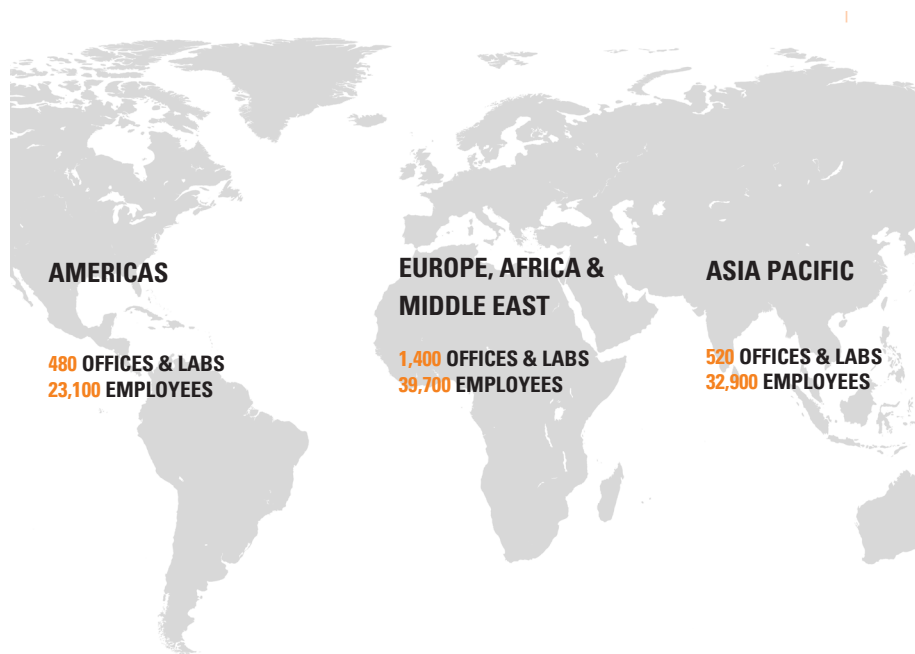


## UNIQUE OFFERINGS

- Our facilities include two large format variable temperature chambers, dynamometer test cells and a specialized DEF system validation test bed
- We offer an array of testing services from cold start testing, thermal performance profiling and cold mechanical development to current product troubleshooting, cold procedure verification and engine testing for emissions, performance, durability and aging
- Our highly skilled and experienced staff can help with anything from instrumentation, installation and setup, and test operations to maintenance and analysis
- We offer turnkey test cell and facility design/build program management, test equipment and test automation systems

# SGS GLOBAL & LOCAL

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



## VARIABLE ALTITUDE ENGINE & VEHICLE TESTING

Aurora, CO

## TEST CELL SOLUTIONS, SOFTWARE AND VARIABLE HORSEPOWER ENGINE AND VEHICLE TESTING

Columbus, IN

## FUEL & COMPONENT SYSTEMS TESTING

Lapeer, MI

## MILEAGE ACCUMULATION CENTER

Jackson, MI

## ROCKY MOUNTAIN HIGH ALTITUDE TEST CENTER

Empire, CO

## CATALYST AGING & COMPONENT TESTING SERVICES

Taylor, MI

## COMPONENT TESTING & ENGINEERING SERVICES

Troy, MI



WHEN YOU NEED TO BE SURE