

# SGS HIGH ALTITUDE TESTING

## OUR ROCKY MOUNTAIN TEST CENTER OFFERS VARIABLE TEMPERATURES FOR HIGH ALTITUDE TESTING

SGS operates a secure facility for your cold start, drive away and high altitude development testing. Located at nearly 9000 feet above sea level in Empire, CO, the facility offers three private bays that can reach temperatures as cold as -22°F, or -30°C as well as a shop bay equipped with a lift.



### PRIVATE & SECURE BAYS

Because we know confidentiality is important to our customers, our bays each have their own office with both hard line and wireless Internet, a restroom and are individually keyed.

- Each bay is 50' by 20'
- 12' W by 14' H doors can accommodate class 8 trucks and construction equipment
- Vehicle exhaust ventilation
- Vehicle shop with hoist on-site
- On-site refueling
- 700' off-highway drive-away
- Ability to set and monitor bay temperatures remotely

### 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).



### TYPICAL USES FOR OUR HIGH ALTITUDE COLD CHAMBERS

- Passenger car and trucks
- On-road Class 1 to 8 heavy-duty trucks
- Construction equipment
- Agriculture equipment
- Skid-mounted engines
- Generator sets
- Transmissions
- Hydraulic systems

### WHY CHOOSE SGS?

- Newly constructed 4800 sq ft user facility
- Our facility can independently test products at a range of controlled temperatures as low as -30°C (-22°F)
- Use the test facility as a staging area to support test campaigns taking place around the I-70 corridor
- Centrally located near popular vehicle development venues including Berthoud Pass, Hoosier Pass, Vail Pass, Loveland Pass, Dillon and Mount Evans
- Less than an hour from our Aurora, CO facility for cold start testing and driveability assessments

### ADDITIONAL TESTING CAPABILITIES IN AURORA, CO

- Vehicle and engine emissions, particulate matter characterization and dynamometer testing services
- Cold testing including a large cold soak room and trailers
- Altitude simulation available



# SGS UNIQUE TESTING SOLUTIONS

## WHY CHOOSE SGS AS YOUR TESTING PARTNER?

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.

### COLD CAPABILITIES IN AURORA, CO

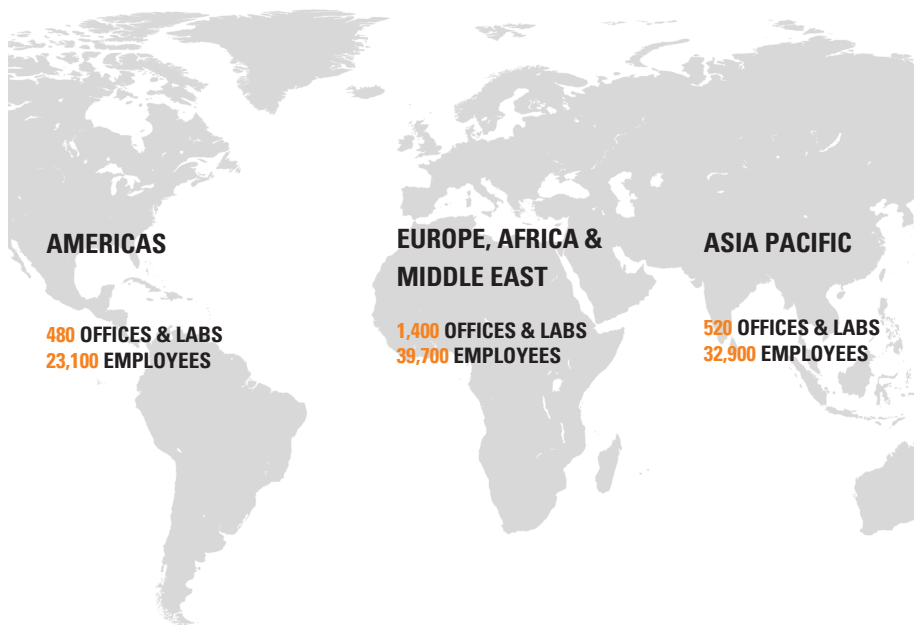
- 30' x 30' x 16' cold room with temperatures anywhere from -22° F (-30° C) to 72° F (22° C) and altitude simulation available
- Chassis dynamometer test cell available with temperatures as low as -22° F (-30° C) and altitude simulation available
- 53' cold trailers with temperatures as low as -22° F (-30° C)

### UNIQUE OFFERINGS

- Our high-feature engine and vehicle test cells located in Aurora, CO, equipped with our patented altitude simulation system (BASE™), allow us to test powertrains from sea level and normal conditions to extreme altitude and variable temperature conditions.
- Our labs are equipped with comprehensive security and video surveillance systems to ensure customer confidentiality.
- Our highly skilled and experienced staff aids customers to test new products, perform research and development and ensure compliance with federal and state emissions regulations.
- Our core business is the advancement of test technology and methods to enable the development of next-generation powertrains.

# SGS GLOBAL & LOCAL

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



### AMERICAS

480 OFFICES & LABS  
23,100 EMPLOYEES

### EUROPE, AFRICA & MIDDLE EAST

1,400 OFFICES & LABS  
39,700 EMPLOYEES

### ASIA PACIFIC

520 OFFICES & LABS  
32,900 EMPLOYEES

### 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

# SGS

WHEN YOU NEED TO BE SURE