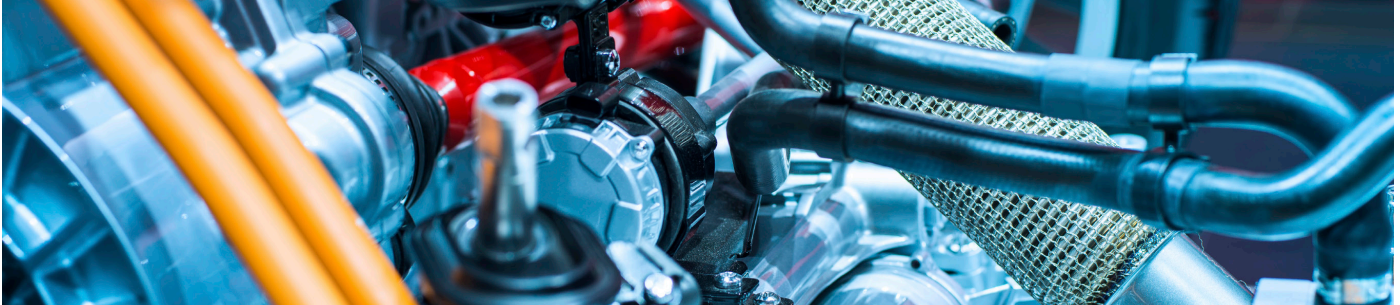


SGS TEST AUTOMATION TECHNOLOGY

CYFLEX SUPPORTS MANY TEST AND MEASUREMENT APPLICATIONS

CyFlex Test Automation Software offers effective and versatile data acquisition, control and test automation. The software manages test articles and environments in engine development and production, integrated power trains, components and rigs, power generation, and emissions equipment – all in test regimes as simple or complex as required.



TEST AUTOMATION FUNCTIONS AVAILABLE

- Measurement hardware monitoring and control
- Intelligent sub-system supervisory control
- Test article control
- Test sequencing both script and table driven
- Real-time displays and trends
- Data logging
- Limit checking
- User-defined calculations and channels
- Units aware math, displays and logging
- Communications drives for most popular test cell instruments

WHY CHOOSE CYFLEX BY SGS?

- Our powerful software suite was created by a team that has extensive experience in developing, delivering, supporting and operating hundreds of automated test cells and rigs
- Its design focuses on modularity and flexibility, tailored to a range of applications from general-purpose data acquisition to customized test environments with unique hardware and test sequences
- CyFlex test systems are particularly well-suited for multiple installations per test facility; they deliver the benefits of a common standard for test systems worldwide:
 - Full range of test applications, from rig to transient emissions testing
 - Ease of data capture, display, analysis, and network transfer
 - Consistent measurement quality and accuracy
 - Uniform and familiar user experience
 - Common data formats and analysis tools
 - Common use of CyFlex enables development of best practices and sharing between lab operations groups at different sites and between business units
 - Our skilled development team is continuously making improvements and new technology available and is also available to address specific customer needs
 - Integration of increasingly complex instrumentation and test environments
- We also offer site and enterprise licenses, instrumentation, installation, setup, commissioning, maintenance and tailoring

CONTACT US

To request a quote or discuss your testing needs in detail, please call [+01 844 730 4175](tel:+018447304175) or email us.transportation@sgs.com.

APPLICATIONS

- Engine-dyno testing for performance, durability, emissions development, emissions certification, and component aging
- Power systems testing for generators and transmissions
- Component testing for turbochargers, heat exchangers, fuel pumps, fuel injectors and after-treatment components
- Advanced test methods including HIL simulation, mapping and calibration



SGS UNIQUE TESTING SOLUTIONS

The instrumentation professionals and testing experts at SGS's expansive Columbus, IN testing center are equipped to handle anything from 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 and a wide array of professional services.

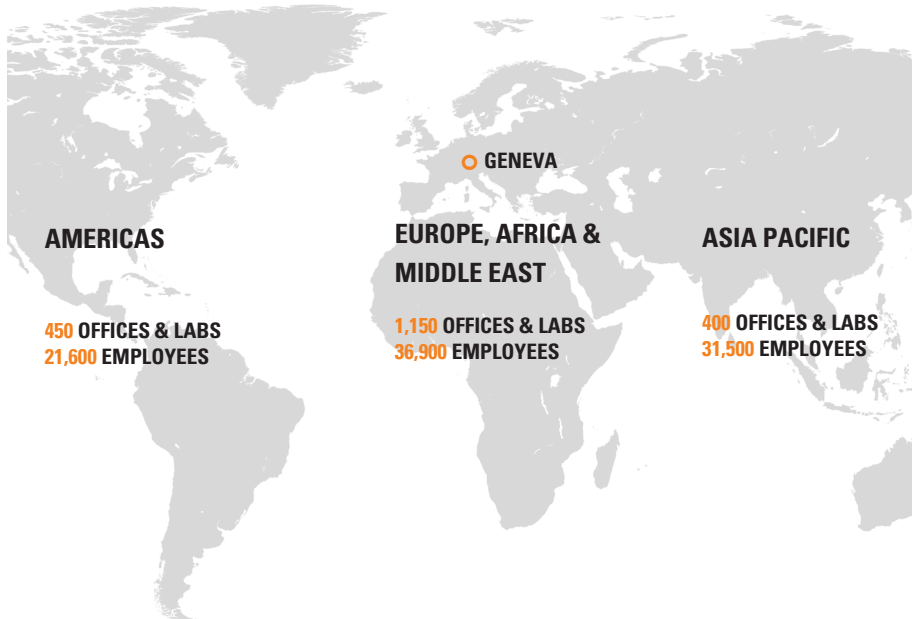


UNIQUE OFFERINGS

- 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

90,000 EMPLOYEES | 2,000 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