



Custom Process Solutions: Precision, Expertise and Innovation

SGS Gas Analysis Services (SGS GAS) provides advanced analytical systems to ensure accurate and reliable gas measurements, enabling clients to control their processes efficiently.

These solutions are tailored to diverse industries such as pharmaceuticals, semiconductors and refining.

GAS

[SGS.COM/GAS](https://www.sgs.com/gas)

Member of the SGS Group



CORE SERVICES AND OFFERINGS

1. Inertion Control Projects:

Designed for monitoring oxygen in headspace environments to prevent product degradation and ensure safety. Common in pharmaceutical and refining industries.

2. Gas Quality Projects:

Bespoke analysis systems that monitor the purity and composition of industrial gases, meeting specific client needs in pharmaceuticals and semiconductors.

3. Mobile Analysis Carts:

Portable systems used to ensure ultra-high purity (UHP) gas lines meet strict industry standards during installations in semiconductor and pharmaceutical processes.

4. Hydrogen Quality Monitoring:

Advanced systems that analyse impurities in hydrogen, especially in semiconductor manufacturing and green hydrogen production.

5. Product Certification Systems:

Certification for gases in compliance with European Pharmacopeia standards. Helium, CO, and other gas certification for industries including beverages and calibration purposes.

SPECIALIZED PROJECTS

Suzuki Reaction Monitoring: Custom systems to analyse hydrogen and carbon dioxide during API production.

Fire Prevention on Solvent Beds:

Measurement of trace carbon monoxide (CO) in pharmaceutical plants for early fire detection.

Ammonia Measurement: Trace ammonia detection in semiconductor cleanrooms, ensuring compliance with environmental regulations.

Moisture Validation Systems: Validating performance of moisture analysers in LNG and Gas plants.

Impurity Analysis of Diving Gases: Online systems measuring ppm impurities of gases ensuring divers safety and compliance with purity specifications.

Combustion Control: Online systems measuring oxygen and CO in furnaces and stacks to optimise efficiency and minimise emissions.

COMPREHENSIVE AFTER-SALES SUPPORT

At SGS GAS, we provide strong after-sales support with expert troubleshooting to ensure quick issue resolution and minimal downtime.

Our Pan-European service teams offer rapid on-site assistance, while our advanced labs handle complex analysis.

We also provide on-site calibration for gas detectors and analysers, along with specialised repair workshops. Our in-house labs ensure precise calibration for ultra-high purity analysers.

With support from industry leading gas analyser manufacturers, we ensure access to genuine parts and expert technical support.

Expert Troubleshooting and Diagnostics:

Ensuring minimal downtime and operational efficiency.

Pan-European Service Coverage: Offer rapid on-site support to resolve issues quickly.

Advanced Laboratory Analysis: Equipped to handle intricate sampling and analysis.

On-site Calibration Services: Maintain accurate performance and safety standards.

Dedicated Workshops for Repairs: Ensure timely repair and maintenance for all equipment.

In-house Calibration Labs: Ensuring precision and reliability.

GLOBAL EXPERTISE LOCAL SUPPORT

- Over two decades of experience in instrumentation and gas analysis.
- Comprehensive, custom-built solutions that enhance process control, safety and product quality.
- Supported by a team of over 99,600 employees and 2,600 offices and laboratories worldwide.
- With a global reach advanced technical solutions and our commitment to providing quality service, SGS GAS are an obvious partner and knowledge base for customers seeking a Process Solution.

CONTACT US

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**GAS ANALYSIS SERVICES IS NOW PART OF SGS, THE WORLD'S
LEADING TESTING, INSPECTION AND CERTIFICATION COMPANY.**

GAS

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