

# **SGS LABORATORY SERVICES**

**SHAPING RELIABLE DATA ANALYSIS FOR EFFECTIVE  
RESPONSE TO ENVIRONMENTAL RISK**



# ANALYSE THE ENVIRONMENTAL EMISSIONS YOU GENERATE AND MONITOR YOUR IMPACT REDUCTIONS

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No resource is more precious than the environment we live in. Businesses are not only held more accountable for their impact on our environment, but customers increasingly seek partners that demonstrate clear commitment to upholding, and staying ahead of, today's environmental standards.

Nowhere is the commitment more evident than by engaging robust analytical services that will validate achieved standards, and set strong benchmarks that signal the environment as a clear priority. Our mission at SGS Environmental Laboratories is to make sure this process is effective and reliable, so that your business can operate both competitively and responsibly.

With more than 80 laboratories in the world, SGS offers the largest network for environmental analysis in the market. Wherever your business is located, we are able to match environmental services that comply with your location. Our global expertise means that you are assured of receiving the right services to the right compliance standards, whether in one country or on multiple continents.



## SOLUTIONS THAT MATTER

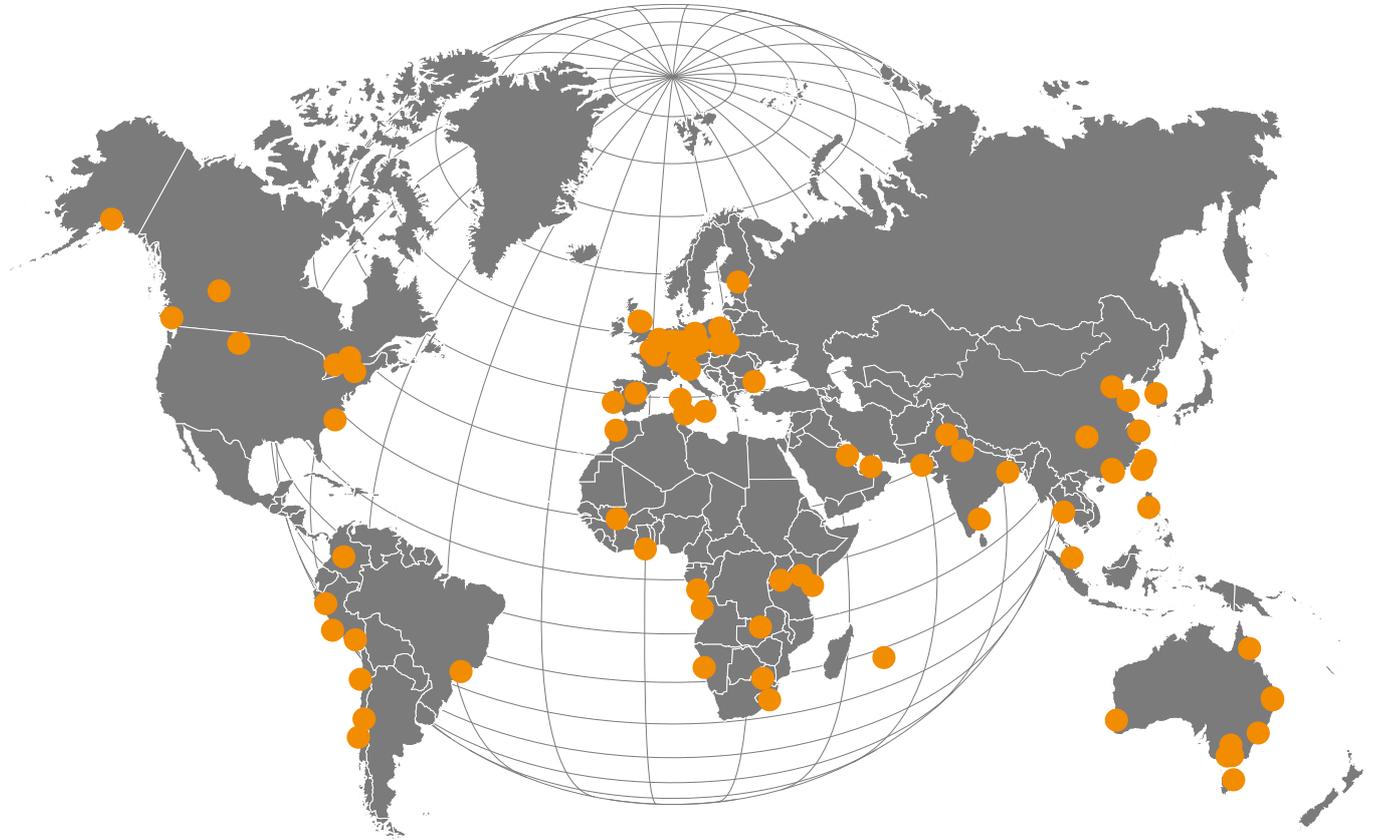
Minimising your environmental impact is about finding solutions for every aspect of your initiative's risks to our natural habitat. You need to know where you currently stand on the effects of your business on surroundings and on potential issues that could require rapid response. We offer testing, sampling, inspection, certification, verification and a comprehensive range of specialist solutions that are imperative to this responsibility. Our portfolio of analyses has been designed to address requirements concerning all environmental matrixes, including:

- Air
- Building material
- Hazardous material
- Sediments
- Sludge
- Soil
- Waste
- Water

We pride ourselves on providing a unique level of laboratory services that make your business run more efficiently and help you keep ahead of environmental trends and upcoming regulations. All of our laboratories are accredited (ISO 17025:25, NELAP and IAHA) and certified to operate in local markets. Our full range of laboratory services includes:

- A comprehensive offer including sampling operations whenever necessary
- A short and guaranteed reporting turnaround time, allowing you to react in time
- Innovative solutions ahead of the market proposed by our global Centres of Excellence
- Unequalled detection limits on metals, dioxins and pesticides thanks to advanced technologies on site

## GLOBAL ENVIRONMENTAL LABORATORIES



● SGS Environmental Laboratory locations

### LABORATORIES THAT YOU CAN TRUST

The value of knowledgeable and effective partnerships that protect your environmental reputation is immeasurable. With that in mind, we are not just a laboratory providing analysis. Our philosophy is to offer our customers a unique quality of service that delivers value to every facet of their business, leveraging our extensive expertise to handle problems and provide solutions for environmental issues across all industries. We are committed to making a difference for your business and being trusted with minimising your environmental impact.

At SGS, Laboratory Services are not just about regulatory compliance. We are proactive in working with you to solve problems, achieve targets and maintain standards during an entire project lifecycle and on a daily basis. Our relationships hinge on close collaboration that aims to resolve your environmental issues, and as a result, help you contribute to a better world.

### YOUR SOURCE FOR PROTECTING RESOURCES

At SGS, we believe that the environment is everyone's responsibility. We support you in monitoring your

business's environmental impact by being the single partner for all of your environmental needs. We are proud to offer a wide range of analytical services covering the following areas:

#### Drinking water

Monitoring drinking water quality is key for global health. With the widest network of laboratories in the world, SGS Environmental Laboratories has the global and local reach to be your preferred partner wherever you operate. Our services include regional expertise for all drinking water analyses such as microbiological, physicochemical and micropollutant testing.

## Water and sediments

Monitoring ground water quality as well as rejects of pollutants in the environment is a growing concern for industrial, water treatment and consultancy companies. We offer comprehensive packages to test the quality of your groundwater, wastewater, sludge and sediments in order to prevent the reject of pollutants, control the efficiency of your wastewater treatment plants and evaluate the quality of your sludge.

## Soils and polluted sites

For consultancy or due diligence reasons, analyses of soils are essential in a site assessment or during a soil remediation process. Our large range of high-quality screenings allows us to assess soil quality in a quick and efficient way. Our special overnight service and our mobile laboratory solutions allow your remediation operations to benefit from greater efficiencies.

## Air and building hygiene

Thanks to our extensive portfolio of tests for indoor air quality as well as for stack emissions, including dioxins and furnaces and asbestos analyses, SGS Environmental Laboratories are well known in the air and building material analyses sector.

## Waste

Our network provides a comprehensive industrial and household waste testing solution. Thanks to our constant research and development efforts, SGS Environmental Laboratories offer a unique methodology for the assessment of waste.

## AT THE FOREFRONT OF INNOVATION

We pioneer new methodologies and offer innovative solutions as part of our constant effort to support your environmental monitoring and problem solving. Our SGS network of laboratories offers the most advanced technologies in sampling and testing which give you accurate and actionable results.

### Ultra-trace analyses

Through our global Centres of Excellence, we have developed unique ultra-trace competencies, applicable to all matrixes, for the following contaminants:

- Pesticides testing at the lowest quantification levels available on the market and exceeding the EU Water Framework Directive requirements
- A comprehensive portfolio of low-level pharmaceutical residue testing in all environmental food and feed matrixes

- Low-level metal testing and compound speciation at ppq level
- Dioxins, furanes, dioxin-like PCBs testing at the lowest level available on the market, including total compound speciation

### Authenticity and environmental forensics

Through the determination of the 'isotopic footprint' of a sample, we are able to confirm the origin of a sample and state its authenticity. This revolutionary technology can be applied wherever the origin of a product has to be ascertained, including determination of sources of pollution (e.g. oil spills), determination of water origin in geochemical studies, and food and drug authenticity.

## CASE STUDY: CHANGING THE NATURE OF BUSINESS

When one waste incineration company's dioxin emissions exceeded legal levels, they approached SGS to analyse the problem immediately. The SGS Environmental Laboratory in Wilmington, North Carolina (US) went one step further by identifying a process that ensured safety levels were assured, solving a significant issue for the company.

By utilising SGS' unique isotopic dilution methodology and analysing the full range of dioxin compounds, the laboratory identified the critical causes that were leading to a complex dioxin generation phenomenon. As a result, the company modified a single, apparently non-significant step, which changed the emission levels of its entire industrial process.

This outcome relied on SGS' ability to do much more than measure toxin levels, such as relying on SGS' expert consulting methods to solve problems down to even the smallest detail. In situations like this, SGS enables companies to respond, react and re-evaluate the nature of business in relation to any environmental issue.

## **MORE THAN A LABORATORY**

To support our laboratory activity, SGS Environmental Services is proud to offer both upstream and downstream services to ensure unity, quality, and thoroughness in your environmental monitoring and problem solving. This includes:

### Field Services

An unequalled team of trained technicians and engineers, at your service, for any type of sample taking, onsite measurements and assessments.

### Health and Safety Services

A broad team dedicated to indoor air quality and industrial hygiene.

### Consultancy Services

Our global network of environmental consultants can intervene for environmental assessments, impact studies and due diligence.

## **WHY SGS?**

SGS is the world's leading inspection, verification, testing and certification company. SGS is recognised as the global benchmark for quality and integrity. With more than 80,000 employees, SGS operates a network of over 1,650 offices and laboratories around the world.

We are constantly looking beyond customers' and society's expectations in order to deliver market leading services wherever they are needed.

We have a history of undertaking and successfully executing large-scale, complex international projects.

With a presence in every single region around the globe, our people speak the language and understand the culture of the local market, and operate globally in a consistent, reliable and effective manner.

We provide innovative services and solutions for every part of the environmental industry. Our global network of offices and laboratories, alongside our dedicated team, allows us to respond to your needs, when and where they occur. Our reputation for independence, excellence and innovation has established us as the market leader in providing services that improve efficiency, reduce risk and deliver competitive advantage for you.

**TO FIND OUT MORE ON SGS  
ENVIRONMENTAL SERVICES  
CONTACT [ENVI@SGS.COM](mailto:ENVI@SGS.COM)  
OR VISIT [WWW.SGS.COM/ENV](http://WWW.SGS.COM/ENV)**



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**PARTNER WITH  
SGS AND **SHAPE**  
YOUR RESPONSE TO  
ENVIRONMENTAL RISK**

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WHEN YOU NEED TO BE SURE

