

# Global Marine Solutions





# Protecting marine environments

To ensure the health of marine waters and coastal areas, it is critical to protect biodiversity by reducing pollution and human impacts. With approximately 90% of global goods transported by sea, sustainability in shipping requires strict compliance with environmental regulations, meeting environmental, social and governance (ESG) goals, and providing a safe environment for seafarers.

At SGS, we offer a comprehensive range of maritime services, including sample collection, laboratory analysis and consultancy, helping you protect maritime and coastal communities.

With over 145 years of experience in the maritime industry and teams in more than 600 ports worldwide, we are the trusted partner for ships, ports, and coastal authorities aiming to comply with regulations, tackle global environmental challenges, and meet ESG goals.

## **Our marine services can help you:**

- Comply with shipboard and environmental regulations
- Decarbonize ships and ports
- Improve crew well-being
- Keep your project on schedule
- Preserve coastal environments
- Protect your supply chain
- Streamline your workflow with SGS Compliance Calendar
- Verify the quality and sustainability of bunker fuel
- and more



**Learn more about how we deliver value to society.**



We offer a wide range of solutions to support you along your journey.



**Testing**



**Inspection**



**Operational  
sustainability**



**Digitalization  
reporting**



# Marine testing solutions

As the marine industry becomes ever more diverse and sophisticated, the need for consistent, detailed, in-depth analysis continues to grow. By trusting your laboratory testing to our teams, you gain peace of mind that your testing needs are handled by qualified experts, while you focus on your core business.

Our experts will work with you to develop strategies that ensure the sampling and testing of as many required parameters as necessary in one sampling intervention, helping you streamline operations and helping reduce costs and delays. In fact, our new SGS Compliance Calendar provides updates and an easy-to-use dashboard for testing requirements.

## **Bunker fuel assurance**

Fuel testing is crucial for ship owners and charterers alike, especially since the introduction of low-sulfur fuels, biofuels, and other renewable fuel sources.

Available in over 100 countries, the **SGS BunkerPro** program allows users to mitigate the potential consumption, maintenance, and operational challenges that can arise from the use of unsuitable fuels.



With our bunker-related services, you can ensure you do not fall foul of global regulations. Learn more about SGS BunkerPro:





## Vessel's water effluent compliance

Discharges from ships, including waters and sludges, can pose significant risks to marine ecosystems and human health. To mitigate these risks, strict environmental regulations are in place.

At SGS, we support your compliance with the US EPA Vessel General Permit (VGP) 2013 and relevant IMO conventions by providing accredited sampling and analytical services. Our experts ensure your vessels meet regulatory requirements through precise monitoring and reporting.

We offer comprehensive shipboard water and sludge sampling and analysis for a wide range of vessels, from cruise ships and ferries to yachts, superyachts, and commercial ships. Covered effluent include ballast water, bilge water, greywater, exhaust gas cleaning system washwater, recreational water (pools, saunas), sewage, and more.

## We also offer a broad range of marine testing services, including:

- Biofouling monitoring
- Coastal monitoring
- Drinking water testing
- EGCS wash water testing
- IMO sewage
- Legionella monitoring
- Lube oil testing
- Microplastics testing
- NOx Technical Code measurements
- On-board stack emissions monitoring
- PFAS and PFOS testing
- Underwater noise monitoring
- Water analysis



# Port & vessel inspections

With a presence in all major ports, we help reduce risk, ensure quality and accuracy, and meet all relevant regulatory requirements across different regions and markets with our world-leading inspection and verification services.

Our certificates are renowned for their reliability, ensuring your operations and traded commodities meet global standards for quality and excellence.

## Cargo Treatment

Whether you are an oil and products trader, fuel retailer, bunker fuel supplier, or long-term storage keeper - by utilizing our cargo treatment solutions, you can improve the quality of your product at any point of the trading route. From refinery down to end user - we correct deficiencies that affect cargo handling, safety, and contractual obligations. From laboratory bench-blending to the physical supply and dosing with additives, our teams can identify and design sufficient and cost-effective treatments.

Petroleum products treated include crude oil, condensates, VGO, Gas Oil, ULSD, Ethanol, Biodiesel, Jet Fuel, Gasoline, Naphtha, and more.

### Our Cargo Treatment Service follows these seven steps:

1. Customer enquiry
2. Pre-blend analysis in the lab
3. Additive stock verification
4. Cost and time estimation
5. Additive, equipment & personnel logistics
6. Actual doping process
7. Quality Confirmation



## Inventory of Hazardous Materials (IHM) Survey

To safeguard your ship's crew and the environment, it is crucial to identify hazardous materials on board.

Compliance with EU Ship Recycling Regulation No 1257/2013 and the IMO Hong Kong Convention 2009, effective from June 26, 2025, necessitates maintaining an Inventory of Hazardous Materials (IHM). This evolving document traces the ship's life cycle, identifying hazardous materials such as PCBs, mercury, lead paint, asbestos, and radioactive substances, along with their volumes.

We assist in protecting your crew, preparing your IHM, and adhering to additional regulations concerning hazardous materials and recycling.

We offer sampling, analysis, and maintain your ship's documentation throughout its life cycle. We also conduct ship surveys as per regional, national, and international regulations.

### Other inspection services include

- Bunker Quantity Survey
- Condition Survey
- LNG Bunker Survey & Custody Transfer Inspection
- Loading/Discharge Supervision
- Lube Oil Quantity Survey
- On/Off Hire Bunker Survey
- ROB/OBQ Bunker Survey
- Sludge Disposal Survey
- Tank Cleaning Inspection



# Operational sustainability

Sustainable operations start with producing, repurposing, recycling, and disposing of commodities in a safe, healthy, environmentally and socially responsible manner. Globally, we deliver a range of robust and practical solutions that help the maritime industry embed sustainability considerations into your operations, procurement and marketing efforts.

## **ESG assurance solutions in maritime**

Our ESG Assurance Solutions help maritime stakeholders evaluate and improve their environmental, social, and governance (ESG) performance in a structured and transparent way. The process begins with an initial assessment of your current ESG practices, followed by a detailed analysis to identify priority areas for improvement. Based on these findings, our technical experts recommend tailored strategies categorized under our verified, optimized, or certified service tiers.

We then provide ongoing support, including monitoring and reporting, to ensure continued compliance and progress toward your sustainability goals.

## **SGS Crew Well-Being Monitored Program**

The SGS Crew Well-Being Monitored Program is a voluntary program, developed by SGS, to help identify and record areas of ship-borne public health risks.

Consistent with the requirements of the 2006 Maritime Labour Convention, it provides for better living conditions for seafarers and assures owners, operators and seafarers that they are compliant with regulations and can avoid penalties at Port State Control inspections.



## Coastal & marine monitoring

Human activity can have harmful effects on coastal areas. If not properly managed, impacts from marine-based activity – as well as activity in nearby urbanized, industrialized or intensively farmed areas – can lead to biodiversity loss and habitat deterioration.

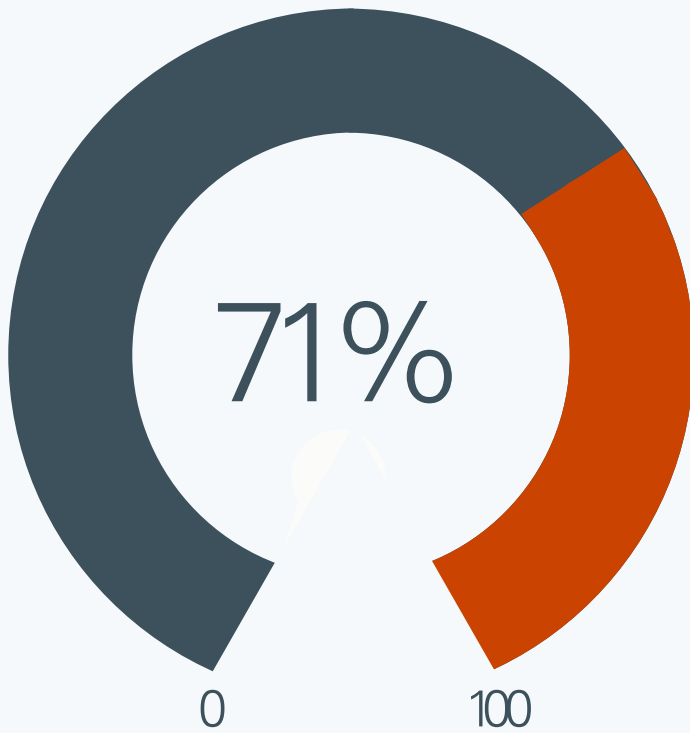
We help you to meet your objectives of monitoring and evaluating human impacts in coastal and offshore environments. Our cutting-edge approaches include the use of environmental DNA (eDNA) to detect organisms as well as the ISO-accredited method we developed to quantify microplastics in seawater.

As part of our coastal & marine monitoring solutions, we provide:

- Aquaculture zone monitoring
- Bathing water quality monitoring
- Continuous monitoring of key outfalls
- Consultancy and impact assessments
- Dredging monitoring
- Port and coastal surveys

### Other related services include:

- Decarbonization
- EU Ship Recycling Regulation
- Hong Kong Convention



Samples Dashboard	
Total samples needed	17
Vessels w/ samples needed	3
Samples collected	12
Non-compliant samples	0
Vessels v/ non-compliant samples	0
Samples still needed	5
Due in 30 days	0
Due in 31-60 days	0
Due in over 60 days	5



# Reporting digitalization

Managing testing requirements and reviewing data from environmental testing laboratories can be cumbersome and inefficient. For projects or sites requiring multiple sample submissions, it can be a challenge to combine data sets to efficiently analyze, compare or trend over time. At SGS, we offer two digital tools to make this process smooth: SGS Compliance Calendar and Engage.

## SGS Engage

An exciting digital application that provides you with a convenient way to manage your projects and access your results, anytime, anywhere.

Features that provide access, convenience and insights to trends include:

- **Access results:** View data instantly without searching through reports and documents - delivered via email.
- **Download reports:** Easily access, organize and batch download all documentation in one convenient location.
- **Export to Excel:** Customizable view format and export your data into excel with a single click.
- **Create charts:** One-click chart generation, viewing analytes and regulation limits.

## SGS Compliance Calendar

At SGS, we partner with you to ensure seamless compliance with environmental and regulatory standards by gathering critical details about your treatment systems and testing requirements. This includes information such as equipment installation dates, treatment technology specifications, the number of systems in operation, and designated sampling locations.

Using this detailed information, our proprietary in-house software generates comprehensive updates that outline all required tests.

# Our unrivaled global network



Supported by  
**100,000**  
professionals

Operating from  
**600+**  
ports

Present in over  
**115**  
countries

**Take your maritime operations to the next level.**

**Get in touch today.**

# When you need to be sure

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