

Construction Safety

Service Overview

**SAFER
GREENER
SMARTER**

SGS

Health and Safety is a critical aspect of any construction project, regardless of project size or complexity.



The International Labour Organization (ILO) estimates that each year there are at least 60,000 fatal accidents on construction sites around the world. This is one fatal accident every ten minutes. The global cost of construction accidents is over \$1 trillion per year according to the ILO. This includes the direct costs of medical care and lost wages, as well as the indirect costs of productivity losses and social costs.

CONSTRUCTION SAFETY

Significant progress has been made in construction safety in recent decades. Many countries have implemented strict regulations and standards, and companies and organizations are increasingly investing in Health and Safety to improve their own standards and practices. There is growing awareness of the importance of construction safety around the world, but there is still room for improvement.

YOUR PROJECTS

At SGS, we believe that a robust Construction Safety strategy benefits every phase of construction, ensuring compliance and creating a Health and Safety culture throughout the project life cycle.

Setting an appropriate construction safety approach, considering local safety regulations, the client's own Health and Safety standards, and any other relevant international standards alongside best-in-class construction safety practices will:

- Reduce incident and accident rates, cost saving
- Ensure regulatory compliance
- Minimize potential legal consequences
- Protect assets

From cost-saving to enhanced reputation, a proper strategy is an investment that pays dividends in the present and fortifies the future, ensuring safe operations that protect the people, environment, communities, and assets.

OUR GLOBAL SERVICES


Wherever you are in the world, in whatever industry, you can rely on our international teams of experts to provide specialized solutions to make your business faster, simpler, and more efficient. Our global expertise means that you are assured of receiving the right services to the right compliance standards, in one country or on multiple continents.



We offer solutions for every stage in your project's life cycle:

1. Pre-design, design, and engineering
2. Pre-construction, bidding
3. Execution
4. Post-construction, commissioning, maintenance

Our industries

- | | |
|--|--|
|  Building and infrastructure |  Mining |
|  Consumer and retail |  Oil and gas |
|  Logistics |  Power and energy |
|  Manufacturing and processing |  Renewables |

Solutions for all stages in your project's lifecycle

1. Pre-design, design, and engineering

Addressing all safety and health needs during the design process to prevent or minimize the work-related hazards and risks associated, providing advisory on construction safety regulations, and developing safety documents related to the project.

SERVICES

- Identify Construction Safety legal requirements
- Advisory during the pre-design / design stage – prevention through design (PtD)
- Co-ordinator role (Europe) for the design phase
- Documentation and Safety toolbox (e.g. Health and Safety Plan, Guidelines, Safetybook, Handbook, etc.) based on legal frame and/or client's internal standards



By supporting Safety in Design, and sharing our knowledge and expertise, we can multiply our impact by recognizing the importance and benefits of addressing site safety during this preliminary design stage.

2. Pre-construction and bidding

By prioritizing Health and Safety from the start, project owners can secure safer projects, contractors can strengthen their competitive edge, and the overall project success is enhanced while promoting a culture of safety and environmental responsibility.

SERVICES

- Defining pre-qualification processes for Health and Safety
- Reviewing Intention to Tender (ITT) – Health and Safety packages - ensuring that all documents regarding pre-construction Information (PCI) are completed; assessing principal contractors for Health and Safety competency – pre-qualification
- Induction and training of workers concerning safety plan, site risks, confined spaces, and so on
- Notifying the relevant Health and Safety authorities (e.g., prior notice – only within EU countries)



By embedding Health and Safety requirements and considerations into a bidding strategy, contractors can set the stage for a safer work environment and minimize the risk of accidents and injuries. This proactive approach reduces potential liabilities and promotes a positive safety culture within the construction project.

3. Execution

By applying a comprehensive Health and Safety strategy during the execution stage of a project is not just a legal obligation but a sound business practice that delivers tangible benefits. It protects workers' well-being, enhances productivity, reduces costs, strengthens reputation, and promotes a sustainable and environmentally responsible approach to project execution.

SERVICES

- Health and Safety Management Programs (consultancy, documents, advisory)
- Provide Health and Safety Co-ordinator role for the execution phase
- Health and Safety Audits (2nd and 3rd party)
- Safety Supervision: Safety Manager, Safety Agent, Safety Officer, Advisors, etc.
- Provide Safety Training (safety talks, induction talks, specific safety courses, etc.)



As world leader in Health and Safety, we operate in all construction sectors, and we manage and supervise all safety matters providing a proper Health and Safety Team onsite for short-, medium- or long-term projects, promoting continuous improvements in safety culture, better performance, better risk management and compliance with stakeholder requirements.

4. Post-construction, commissioning, and maintenance

By applying a Health and Safety strategy during this stage is an investment that can help to create a better, safer, and more productive workplace.

SERVICES

- Based on project activities related to asset, analyse whether Health and Safety coordinator role (Europe) is mandatory or not, otherwise provide safety supervision during shutdowns, maintenance and so on.
- Health and Safety Audits (2nd and 3rd party)
- Industrial Rescue Team – Emergency Rescue Services (Italy) during shutdowns etc.
- Occupational Health and Safety: Risk assessment, Emergency plan, etc.
- Training: safety talks, induction, and specific safety courses
- Provision of tailored documentation and safety toolbox (e.g., Health and Safety plan, guidelines, "Safetybook", etc) based on legal framework and/or client's internal standards.



By working to a clear set of Health and Safety standards, you can comply with safety regulations, create a safety culture, reduce risk of incidents and costs related, and improve workplace safety.

Our expertise in action

Tailoring client standards to local regulations, while delivering on safety knowledge and experience.

BUILDING, LOGISTICS, DATA CENTERS AND RETAIL

Nature of projects:

New builds, refurbishments, fitting-out, or expansions

Challenges:

- Client's existing Health and Safety standards to be adhered to, while also considering all peculiarities of construction sector and the regulations in each country, sometimes without client personnel specialized in construction safety at project level.
- Several architecture and engineering firms involved at design stage.
- Several main contractors with multiple sub-contractors involved at execution stage (both local and foreign companies)
- Corporate Sustainability goals related to Health and Safety at project level

SGS in action:

Designing health and safety coordination and/or management services based on construction safety regulations in the respective country, while offering assistance with other safety tasks associated with the client's responsibilities and the project's challenges.

- Setting up onsite Construction Safety Team either formed by Health and Safety coordinators or consultants
- Reviewing client's Health and Safety standards and identifying legal construction safety requirements
- Prevention through Design support during the design stage
- Preparation of Health and Safety documents, standards, safety toolbox
- Setting up KPI management system related to Health and Safety Sustainability goals
- Health and Safety documentary review – using own client's own or SGS digital tools
- Contractor Safety Management support



POWER AND ENERGY, OIL AND GAS, MANUFACTURING AND PROCESSING

Nature of projects:

CAPEX (new assets, expansions) and OPEX (operation and maintenance, shutdowns)

Challenges:

- Strong client health and safety culture and standards at corporate and project level
- Strict requirements from client and industry for all project stakeholders and personnel
- High volume of companies and workers involved at execution stage even during short term periods, such as during shutdowns
- Project location, such as offshore projects
- The appropriate team size to manage any one-off and peak-time situations

SGS in action:

Providing health and safety coordination and/or supervision services tailored to the scale of each project, ensuring adherence to both client-specific standards and safety regulations throughout project execution.

- Setting up on-site Construction Safety Team formed by Health and Safety Managers, coordinators or supervisors
- Specific Technical Staffing strategy to cover all potential personnel needs
- Safety culture initiatives (promotional and communication materials, campaigns, etc.)
- Safety training (induction, refreshers, pre- and post-task talks)
- Safety Awards
- Behavior Based Safety (BBS) Observations
- Health and Safety document review
- Incident reporting and KPI management
- Cost-saving analysis
- Contractor Safety Management support

Beyond Construction Safety

Our expertise also extends beyond construction projects, enabling SGS to provide support in other areas of Health and Safety.

SERVICES

OCCUPATIONAL HEALTH AND SAFETY

Health:

- Occupational or Industrial Hygiene
- Indoor Environmental Quality
- Indoor Air Quality
- Operating room validations
- Technical audits of HVACs and Air Quality Inspections
- Sick Building Syndrome (SBS)
- Asbestos Management
- Noise and Illumination Management
- Exposure assessment for worker protection:
 - Physical, Chemical, Biological, Ergonomics, Psycho-social

Safety:

- Plant and machinery inspections
- Accident's investigation
- Workplace Risk Assessment and Evaluation

AUDITING AND COMPLIANCE

- Health and Safety Regulatory audits and compliance
- Health and Safety Governance

INDUSTRIAL SAFETY

Product Safety:

- REACH
- GHS (Safety Data Sheets)

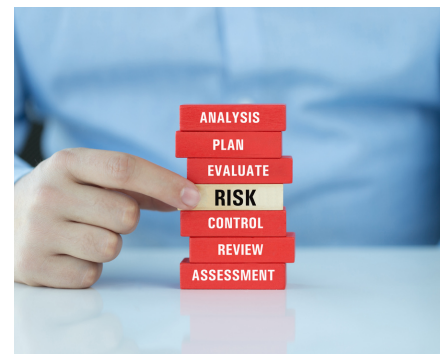
Process Safety:

- Quantitative Risk Assessments (QRA)

- HAZID, HAZOP, FMEA Reviews
- Risk Assessment and Evaluation
- Explosive Atmospheres

Emergency Response:

- Plans and Accident Intervention



Our value-added solutions

Our dedicated network of global and local offices are highly flexible and focused on meeting our customers' needs, irrespective of location or scale of the project. Not only do we have the expertise, experience and network to ensure that together we implement the most appropriate Construction approach, but we also work to go the extra mile to offer solutions that bring further value to your project.

- Campaigns (annual events, Safety Day, and more)
- Safety Awards
- Safety communication material (safety sheets, facts, safety alerts sheet, bulletins, stickers, safety talks, safety signalling campaigns onsite)
- Safety training material (Safety videos – induction, awareness, work procedures, virtual reality, etc.)
- Digital solutions, such as:
 - Mobility solutions linked to interactive and bespoke Health and Safety dashboards.
 - Document management
 - Digital e-learning (360° videos, rapid learning, virtual reality)
- Behavior Based Safety (BBS)
- Initiatives, such as workshops, briefings, emergency and evacuation procedures, exercise simulation, Safety awareness sessions, Safety walks)
- Safety Reporting (Safetybook, KPI measurement, best practices, suggestion box, safety improvement program, surveys)



Why choose SGS?

We are SGS – the world's leading testing, inspection and certification company. We are recognized as the global benchmark for sustainability, quality and integrity. Our 99,600 employees operate a network of 2,600 offices and laboratories, working together to enable a better, safer and more interconnected world.

We operate in all construction sectors, including buildings, railway infrastructure, roads, airports, ports, water, forestry, industrial, telecommunications, oil and gas, retail, renewable energy, and power plants, and offer a range of solutions to help ensure project safety. We can manage and supervise all safety matters, promoting continuous improvements in safety culture, better performance, better risk management and compliance with stakeholder requirements.



Global footprint, Local expertise

- Local knowledge and background on country regulations (e.g., labor, safety, etc.)
- Local execution, support, billing



Management and support wherever you are in the world

We can provide SGS:

- Key Account Manager
- Global Construction Safety Team
- Technical Staffing Teams for recruitment (Global/Local)
- Business Operation Managers (Local)
- Operational Integrity Teams (Global/Local)
- Internal QA and QC (Global/Local)



Health and Safety knowledge and experience

- Safety culture in-house
- Experience managing projects across the SGS global network, operating with SGS local teams
- Collecting and sharing best practices

To find out more about SGS Construction Safety Services and the bespoke solutions we can offer you: contact industries.environment@sgs.com or visit [sgs.com](https://www.sgs.com)



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