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AT A GLANCE

Nº1 WORLD LEADER

80,000 EMPLOYEES

1,650 OFFICES AND LABORATORIES

13 GLOBAL INDUSTRIES

GLOBAL SERVICE LOCAL EXPERTISE
1878
ESTABLISHED IN ROUEN

MID 20TH CENTURY
Transformed grain trading in Europe with innovative agricultural inspection services and spread agricultural services around the world

1981
Diversified into inspection, testing and verification services across a variety of sectors including industrial, minerals, oil, gas, and chemicals

2013
Listed on the Swiss Stock Exchange

Unrivalled reputation as the industry leader in finding solutions to the complex problems organisations face every day
VALUES

PASSION
INTEGRITY
ENTREPRENEURIALISM
INNOVATIVE SPIRIT
BUSINESS BENEFITS

QUALITY
SAFETY
REDUCED RISK

EFFICIENCY
PRODUCTIVITY
SPEED TO MARKET
TRUST
SUSTAINABILITY
QUALITY

COMPLIANCE WITH THE LATEST QUALITY STANDARDS

INDEPENDENT THIRD PARTY INSPECTION

TESTING, AUDITING AND TRAINING SOLUTIONS
REduced risk

independent and impartial services to identify, manage and reduce risk

testing and inspection to verify risk prevention measures

compliance to international risk management standards
EFFICIENCY

TAILORED BUSINESS SOLUTIONS TO IMPLEMENT PROCESSES AND SYSTEMS

MAKING BUSINESS OPERATIONS FASTER, SIMPLER AND MORE EFFICIENT

LOCAL EXPERTS DRAW ON THE GLOBAL EXPERIENCE OF THE ENTIRE SGS NETWORK
PRODUCTIVITY

ENSURING PRODUCTIVITY KEEPS PACE WITH DEVELOPMENTS

OUTSOURCING WORLD-CLASS PRODUCTIVITY EXPERTS

FOCUSED TRAINING TO DEVELOP SPECIALIST SKILLS WITHIN YOUR EXISTING WORKFORCE
GLOBAL INDUSTRIES

AGRICULTURE AND FOOD
AUTOMOTIVE
CHEMICAL
CONSTRUCTION
CONSUMER GOODS AND RETAIL
ENERGY
FINANCE
INDUSTRIAL MANUFACTURING
LIFE SCIENCES
LOGISTICS
MINING
OIL AND GAS
PUBLIC SECTOR
SGS Industrial Services add value to our customers all over the world by supporting them in the management, design, production, logistics and operations of their assets.
OUR KEY MARKET SEGMENTS

Oil & Gas

Power & Utilities

Infrastructure & Building

Transportation, Equipment & Machinery
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**MARKET SECTORS, SUBSECTORS AND SERVICES**
HEALTH & SAFETY SERVICES

- Industrial Safety
  - Process Safety
  - Risk identification / assessment / evaluation / mitigation
  - Accident investigation, emergency response

- Occupational Health & Safety
  - Health (industrial hygiene) – chemical, physical and biological worker exposure
  - Health-noise, vibration, ventilation, asbestos, lighting
  - Safety-statutory lifting, fire and electrical safety

- H&S Management
  - OSHAS 18001 certification
  - Consultancy, audits, compliance

- Construction and maintenance safety
  - Construction site coordination and safety supervision

- H&S Training
CONSTRUCTION AND MAINTENANCE SAFETY SERVICES

- Customised Solutions: experience in a wide range of activities, from large constructions in Oil, Gas, Chemical and Petrochemical plants shutdowns, to maintenance turnaround (MTA) and industrial or civil construction projects.

- Construction Safety Services:
  - Field Supervision
  - Safety Coordination Services
  - Safety Plan Review
  - Audit for compliance with relevant laws and regulations

- Material provision to promote safety:
  - Helmet, equipment stickers to avoid inappropriate use
  - Safety and warning signs
  - Directional and hazard signs for construction sites and projects
Oil & Gas and Power Generation requires dedicated expertise because of many specificities involved:

- Risks not related to the activity itself, but to the environment and the site: noise, vibration, asbestos, chemical and carcinogen substances, etc.
- Specific procedures and rules to be followed by anyone operating on the site: work permits, plant rules, emergency plan, high risk procedures, etc.
- High relevance of risks of operation in confined spaces
- All these aspects have to be managed by the safety coordinator / supervisor and included in the site safety plan, in addition to all the risks related (intrinsic) to the activity itself.
CONSTRUCTION AND MAINTENANCE SAFETY INFRASTRUCTURES

- Projects usually promoted by national or regional governments for which additional risks need to be considered
  - Specific procedures / regulations for the risk of being hit by a train, the risk of driving on runways in airports, the risk related to electric train lines, the risks from electric power lines, etc.
  - Coordination with government authorities, special permits, etc.
  - Specific work procedures (night time, in a tunnel without ventilation, dust, etc.)
  - Procedures for access / walking on site, specific signage and lighting systems
SGS has participated as the Health & Safety coordinator in the construction of emblematic buildings and skyscrapers.

These type of constructions are promoted by private clients and business groups for which specific risks need to be considered:

- Specific procedures and geotechnics knowledge, working at height
- Coordination of works to avoid crane collisions
- Analysis of interferences between buildings under construction at the same location
- Coordination and installation of large cranes in small spaces
OTHER ASSOCIATED SERVICES IN SITE SAFETY CONSTRUCTION

- **Occupational Health & Safety**
  - Specific risk assessment related to site activities (also involving external environments): noise, dust, asbestos, vibration, chemical agents

- **Industrial Safety**
  - Fire fighting and fire prevention services
  - ATEX classification, explosion assessment and risk prevention

- **H&S Training**
  - Training and information regarding specific risks at the site for all operating companies
  - Training and information regarding activities in confined spaces
  - Delivery of courses for operational and management staff

- **Health and Safety Management**
  - Preconstruction / pre-start safety audits on site for the operating company’s temporary facilities

- **Other**: industrial rescue team in case of emergencies
CLIENT GROUPS

- Oil & Gas
- Power generation
- Logistic, Distribution & Transport
- Construction & Building
- Trade & Stores
- Hospital & other health related structures
- Automotive
- Food Industry
- Chemical & Pharmaceutical
- Mechanical, Metalurgical & Carpentry
- Maintenance & Industrial Services
- Paper Industry
- Renewable Energy
- Governments and public clients: airport, port, roads, railway, subway (infrastructure)
OUR CLIENTS

- Eni (O&G)
- Erg (O&G)
- Total (O&G)
- BP (O&G)
- GDF (Power Generation)
- Enel (Power Generation)
- Enipower (Power Generation)
- Alstom (Infrastructure)
- Erg Wind (Renewable Energy)
- Styron (Chemical)
- Foster Weeler (Engineering)
- IBERDROLA (-Power Generation)
- Repsol (O&G)
- ArcelorMittal (-Iron and steel industry)
- Temmler (Pharmaceutical)
- SFIR (Sugar Production)
- Desigual (Textile)
- Inditex (Textile)
- Materis paint (Coating / Paints)
- Yara (Chemical / Fertilising)
- TRW (Automotive)
- Continental (Automotive)
- Glaxoklinesmith (Pharmaceutical)
- Knauf (Mining)
- Vestas (Renewable Energy)
- SolarPark (Renewable Energy)
- Bharat Aluminium Company (Aluminium Industry)
CASE STUDY – BUILDING OF A BRAND NEW OIL REFINERY – ITALY

Project: ENI EST – Eni Slurry Technology – Sannazzaro de’ Burgondi (Pavia – NW Italy)
Client: ENI Italy
Services: H&S Services

- H&S field supervision, H&S coordination, H&S field safety design and planning, H&S training
- Periodical H&S audit to operating companies
- HSE report
- Security management (access to the site)
- Safety tools and promotional materials
- Total number of SGS technicians: 50, with a peak presence of: 30

Project description:
- Biggest O&G building project in Europe in the last decades - building of a new oil refinery and linking it with an existing one
- Total value of the project: €1 500 million, duration: ~36 months
- Total number of people involved: 10 000
- Daily presence on site (peak): 2 500
- Total number of involved construction companies: 300
CASE STUDY – ADRIATIC OFFSHORE LNG TERMINAL – SPAIN

Project: Concrete-gravity based structure with storage and regassification capacity in Algeciras, Spain

Client: AKER KVAERNER-ACCIONA

Services: H&S Services

- H&S Technical Assistance
- H&S Coordinator
- QA / QC
- H&S Training
- Permits and licensees review (assistance)
- Total number of SGS technicians: 3

Project description:
- Capacity: 8 million cubic metres per year
- Treatment of inlet gas and liquefaction
- Other facilities: marine equipment, mooring dolphins, export pipeline
- Size: 180 x 88m & 47m high,
- Total weight: 12 000 tons
**CASE STUDY – REPLACEMENT OF LUBRICANT BLOW DOWN TORCH – ITALY**

**Project:** Replacement of blow down system in Italy  
**Client:** ENI Refining & Marketing – Livorno Oil Refinery  
**Services:** H&S Services

- H&S field supervision, H&S coordination and H&S field safety design and planning for both demolition and replacement phases
- Daily presence of SGS safety coordinator
- H&S training
- Safety tools & promotional materials

**Project description:**
- Total amount (value) of the project: € 40 million  
- Duration: 6 months
Project: Talara and Cupisnique wind farm projects in Peru
Client: VESTAS
Services: H&S Services

- Health and Safety supervision

Project description:
- The parks consist of 62 wind turbines of 1.8 MW Vestas V-100
- The first turbines have been installed in 2013
- The construction will continues for the next 10 years
- Duration: 1 year per park
- Total amount (value) of the project: $95 millions
- Total number of people involved: 500
CASE STUDY – BUILDING OF PHOTOVOLTAIC SOLAR PLANT – PERU

Project: Photovoltaic solar plant construction in Tacna, Peru.
Client: SOLAPARK
Services: H&S Services

- Health and Safety inspections

**Project description:**

- Area: 121 hectares
- Rated power: 20 MW
- Estimated annual energy production: 50 000 MWh
- Power supply: 66 Kv to SE Heroes
- Duration: ~ 24 months
- Total amount (value) of the project: $98 million
- Total number of people involved: 400
CASE STUDY – COMMONWEALTH GAMES
SHIVAJI & TALKATORA STADIUMS – INDIA

Project: Construction of 2 stadiums for Delhi’s 2010 Commonwealth Games
Client: New Delhi Municipal Corporation
Services: H&S Services

- H&S supervisor
- Quality assurance / quality control for all works including electrical, fire-fighting & protection, HVAC, lifts, etc.
- QA / QC
- QHSE
- Schedule control
- Commissioning inspection

Project description:
- Shivaji: construction of an open hockey stadium with a capacity of 9400 seats.
- Talkatora: construction of an indoor boxing stadium with a capacity of 3035 seats.
CASE STUDY – BUILDING OF THE "MUTUA MADRILEÑA TOWER SKYSCRAPER“ – SPAIN

**Project:** Construction of the Crystal Tower

**Client:** MUTUA MADRILEÑA

**Services:** H&S Services

- 2 H&S Coordinators
- 2 H&S Assistants / Supervisors

**Project description:**

- The Crystal Tower project was designed by architect Cesar Pelli. The professional work on this new Spanish architectural landmark has been developed in collaboration with the Madrid studio of Leon Ortiz Architects.

- Crystal Tower: 250 metres high, 52 floors, 1 206 parking spaces and 57 579 square metres. Its dome has the highest vertical garden in Europe (30 m) featuring a variety of trees and vegetation.

- Duration: 3 years

- Total amount (value) of the project: € 155million

- Daily presence on site (peak): 500
Project: Construction of the Space Tower
Client: INMOBILIARIA ESPACIO (Property Agency)
Services: H&S Services

- 2 H&S Coordinator
- 1 H&S Assistants / Supervisors

Project description:
- The Space Tower project was designed by Pei Cobb Freed & Partners, one of the most prestigious architectural firms worldwide
- Space Tower: the skyscraper is 235 metres high, 56 250 square metres, 57 floors above ground and six below ground, and houses more than 1 270 parking spaces.
- Duration: 3 years
- Total amount (value) of the projects: €90 million
- Daily presence on site (peak): 400
CASE STUDY – BARAJAS AIRPORT (T4) CONSTRUCTION – SPAIN

Project: Extension of Madrid-Barajas Airport
Client: AENA (Government Administration - Public Tenders)
Services: H&S Services

- H&S Coordinator and Assistants
- H&S Supervisors.
- H&S Guards
- Administrative staff
- Security management (site access)
- Total number of SGS technicians involved: 45

Project description:
- 70 million passengers per year and 120 aircraft movements per hour.
- Duration: 4 years
- Total amount (value) of the projects: € 4 100 million
- Daily presence the on site (peak): 8 000 units
CASE STUDY – MUMBAI INTERNATIONAL AIRPORT – INDIA

Project: Development Construction of Mumbai Airport – Works: 3250 Million USD
Client: Mumbai International Airport PVT. LTD
Services: Project Management Consultancy for construction

- HSE services and periodic safety audits
- Supervision of civil works
- Inspection of incoming materials and field quality checks
- Verification of drawings, itps, vendor qaps and method statements
- Field inspection of civil, electrical, mechanical, fire fighting, HVAC…
- Witnessing of lab test inside and outside airport
- Factory and site acceptance tests
- Approximately 8 300 man days
CASE STUDY – RAILWAY MAINTENANCE (HIGH SPEED AND CONVENCIONAL SPEED) – SPAIN

Project: Railway maintenance
Client: ADIF – Railway Administration (prev. GIF)
        Public Tender
Services: H&S Services

- H&S Coordinators
- H&S Assistants
- Total number of SGS technicians involved: 45

Project description:
- SGS revenue: €3,5 million
- Duration: 4 years