RECOGNITION
Our many national, international and customer-specific accreditations give testimony to our competences. Our position has made us a reference in the nuclear industry for over 35 years. Nuclear requirements in safety and quality are at the core of SGS culture and organisation.

EXPERIENCE & EXPERTISE
SGS employs a multidisciplinary team of the best qualified and recognised technicians, engineers and experts, supported by global competency centres. We have decades of experience in the nuclear field and some remarkable references in many countries. With a full toolbox of competencies and management we are able to quickly build teams for specific projects and keep our people at the best level of training and qualification.

A NETWORK TO ANSWER LOCAL NEEDS WITH GLOBAL SOLUTIONS
SGS operates a worldwide network of 1,250 offices and laboratories. With our unique global network, we can operate in every corner of the world. Local competences combined with a strong global culture make us the ideal partner for multicultural project management.

PROXIMITY & REACTIVITY
Delivery time is essential all along the nuclear cycle. Having the right expert resources in the right place guarantees efficiency to our clients, and this is a key strength of the SGS local and global organisation. SGS is constantly looking beyond customer and security\'s expectations, in order to deliver market-leading services, wherever and whenever they are needed.

INDEPENDENCE, TRUST & TRANSPARENCY
Everything we do is based on the principle of mutual trust. As our customer, you can rely on our extensive experience and wide-ranging network, and you can be certain of rapid assistance.

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WWW.SGS.COM/INDUSTRIAL OR NUCLEAR.SERVICES@SGS.COM

5 GOOD REASONS TO CHOOSE SGS

WWW.SGS.COM

GLOBAL NUCLEAR SERVICES

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GLOBAL SUPPORT FOR SAFETY

In the global nuclear sector, there is an overwhelming need for solutions to offer control over time and distance. Engineering, Procurement and Construction (EPC) companies and utilities are sourcing from new nuclear equipment suppliers around the world. At the same time all contributors of the supply chain need to meet higher performance requirements, due to the evolution of technology. SGS protects client's interests when buying and selling.

Our services include:
- Supplier Assessment including design and fabrication standards
- Quality Health Safety & Environment (QHSE) 2 & 3rd party audit
- Vendor Shop Inspection
- Material & Equipment Testing
- Non-Destructive Testing (NDT)
- Failure & Aging Testing
- Offshore Installation & Loading Inspection
- Equipment Inspection
- Project Management services
- Quality Assurance
- Technical Assistance
- Tender Support
- Qualification of NDT methods

GLOBAL SUPPORT FOR PERFORMANCE

Production facilities must be regularly closed down or taken out of service for planned maintenance operations. Such shutdowns and turnarounds require specialist competencies to maintain the desirable, while covering all maintenance and repair tasks and meeting regulatory requirements.

SGS has implemented a combination of high-end, specialised consultancy and traditional inspection and testing services to assist clients in managing shutdowns, turnarounds and routine maintenance.

Our services include:
- Quality Health Safety & Environment (QHSE) & Quality System Audit
- Work Place Health & Safety
- Energy audit and management
- Risk & Process approach, Balanced Scorecard
- Training services provide world-class training solutions, which include:
  - NDT Training courses and examinations in accordance with EN1751, ISO 9716, ASNT
  - Teaching standards: QHSE, sustainability, internal specifications standards etc.
  - Training for ASME, QHSE internal and third party audits
- Radioprotection
- Qualification of the worker as inspector, supervisor, auditor and for NDT
- Qualification and certification of welders and welding procedures
- Radiation protection & decommissioning

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- Offshore Installation & Loading Inspection
- Equipment Inspection
- Project Management services
- Quality Assurance
- Technical Assistance
- Tender Support
- Qualification of NDT methods

Construction & Commissioning
Nuclear power plant construction requires surveillance throughout the project. SGS helps clients to ensure risk prevention and effectively keep the construction project within deadlines. Qualification problems that might jeopardise the success of the whole enterprise. Our services include:
- Civil Work Supervision and contract expertise
- Supervision during assembly and testing of mechanical equipment, tanks, pipes, electrical devices, instrumentations, control system etc.
- Final Acceptance on behalf of owner
- Technical Assistance
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  - Training for ASME, QHSE internal and third party audits
- Radioprotection
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- Qualification and certification of welders and welding procedures
- Radiation protection & decommissioning

Training
Management of competencies and the qualifications of personal represent one of the key prerequisites in meeting nuclear demands, while the call for technical skills is increasingly increasing the supply.

With over 30 years of experience, SGS training services provide world-class training solutions, which include:
- NDT Training courses and examinations in accordance with EN1751, ISO 9716, ASNT
- Teaching standards: QHSE, sustainability, internal specifications standards etc.
- Training for ASME, QHSE internal and third party audits
- Radioprotection
- Qualification of the worker as inspector, supervisor, auditor and for NDT
- Qualification and certification of welders and welding procedures
- Radiation protection & decommissioning

With experienced and qualified staff, SGS operates an extensive network of offices and laboratories to support various industries. With our unique global network, we can operate in every corner of the world, within hours of each other.

Our independent services add significant value to our customer's operation, optimising their business sustainability, management of quality and competitiveness, without reducing delivery times.

SGS offers a wide range of services and solutions at all the supply chain stages, reprocessing and decommissioning. SGS ensures that the installations, material, equipment, facilities and processes meet all quality and performance requirements.

The SGS worldwide network has facilities and projects meet all quality and performance requirements. For safety in a global market.

For performance in a global market.
GLOBAL SUPPORT FOR SAFETY

With experienced and qualified staff, SGS operates an extensive network of offices and laboratories to support various industries. With our unique global network, we can operate in every corner of the world, within hours or days. Our independent services add significant value to our customer’s operations, optimising their business sustainability, management of quality and competitiveness, while reducing delivery times.

GLOBAL SUPPORT FOR PERFORMANCE

In the global nuclear sector, there is an ever-growing need for solutions to offer control over time and distance. Engineering, Procurement and Construction (EPC) companies and facilities are sourcing from new nuclear equipment suppliers around the world, at the same time all contributors of the supply chain require higher requirements, due to the evolution of technology. SGS protects client’s interests when buying and selling. Our services include:

- Supplier Assessment including design and specific standards
- Quality Health Safety & Environment (QHSE) 2nd and 3rd party audit
- Vendor Shop Inspection
- Material & Equipment Testing
- Non-Destructive Testing (NDT)
- Failure & Ageing Testing
- Quality Health Safety & Environment (QHSE) 2nd and 3rd party audit
- Radiation protection for spent fuel assemblies
- Practical radiation protection during decommissioning
- Radiological protection for spent fuel elements transport
- Radiation and Health Physicist
- In-stocking
- Health & Safety officer
- Radiation training courses
- Qualification of person as inspector, supervisor, auditor and for QHSE
- Qualification of the worker as inspector, supervisor, auditor and for QHSE
- Management of competencies and the qualifications of personnel represent a key priority in managing nuclear demands, while the call for technical skills is increasingly exceeding the supply.

GLOBAL SUPPORT FOR TRUST

Supply Chain

In the global nuclear sector, there is an ever-growing need for solutions to offer control over time and distance. Engineering, Procurement and Construction (EPC) companies and facilities are sourcing from new nuclear equipment suppliers around the world, at the same time all contributors of the supply chain require higher requirements, due to the evolution of technology. SGS protects client’s interests when buying and selling. Our services include:

- Supplier Assessment including design and specific standards
- Quality Health Safety & Environment (QHSE) 2nd and 3rd party audit
- Vendor Shop Inspection
- Material & Equipment Testing
- Non-Destructive Testing (NDT)
- Failure & Ageing Testing
- Quality Health Safety & Environment (QHSE) 2nd and 3rd party audit
- Radiation protection for spent fuel assemblies
- Practical radiation protection during decommissioning
- Radiological protection for spent fuel elements transport
- Radiation and Health Physicist
- In-stocking
- Health & Safety officer
- Radiation training courses
- Qualification of person as inspector, supervisor, auditor and for QHSE
- Qualification of the worker as inspector, supervisor, auditor and for QHSE
- Management of competencies and the qualifications of personnel represent a key priority in managing nuclear demands, while the call for technical skills is increasingly exceeding the supply.

Constructions & Commissioning

Nuclear power plant construction requires surveillance throughout the project. SGS helps clients to secure leak, prevent construction errors, control budgets and effectively keep the construction project within deadlines, thus avoiding problems that might jeopardise the success of the whole enterprise. Our services include:

- Civil Work Supervision and contract expertise
- Supervision during assembly and testing of mechanical equipment, tanks, pipes, electrical devices, instrumentation, control systems etc.
- Qualification of welding processes and welders
- Onsite Inspection, NDT
- Statutory Inspection
- Commissioning Survey
- Start-up test supervision of equipment and systems
- Safety Coordination
- ASME 3rd and 2nd party audit, Health, Safety & Environment (HSD) regulatory consulting
- Contract administration, Site coordination
- Verification of risk assessment
- Final Acceptance on behalf of owner
- Technical Assistance

Operating

Production facilities must be regularly closed down or taken out of service for planned maintenance operations. Such shutdowns and turnarounds require specialist competencies to minimise the downtime, while covering all maintenance and repair tasks and meeting regulatory requirements. SGS has implemented a combination of high-end, specialised consultancy and traditional inspection and testing services to assist clients in managing shutdowns, turnarounds and routine maintenance.

Our services include:
- In-Service Inspection, NDT
- Safety audits
- Material & Equipment Testing
- Work Flow, Health & Safety
- Radiation protection for spent fuel assemblies
- Plant emission examination and analysis
- Energy audit and management
- Radiation awareness training
- Technical Assistance
- Commissioning Supervision of radioactive wastes
- Qualification of welding processes and welders
- Onsite Inspection, NDT
- Statutory Inspection
- Commissioning Survey
- Start-up test supervision of equipment and systems
- Safety Coordination
- ASME 3rd and 2nd party audit, Health, Safety & Environment (HSD) regulatory consulting
- Contract administration, Site coordination
- Verification of risk assessment
- Final Acceptance on behalf of owner
- Technical Assistance

Radiation Protection & Decommissioning

When a power company closes a plant after many years of operation, the facility must be decommissioned by safely removing it from service and reducing any residual radioactivity to a level that permits release of the property and the infrastructure of the former operation. SGS is able to offer its clients a full package for decommissioning, in accordance with the cooperation of partners. With over 25 years of experience and a complete understanding of regulatory constraints.

Our services include:
- In-service inspection
- Statistical inspection
- Material & Equipment Testing
- Work Flow, Health & Safety
- Radiation protection for spent fuel assemblies
- Plant emission examination and analysis
- Energy audit and management
- Radiation awareness training
- Technical Assistance
- Commissioning Supervision of radioactive wastes
- Qualification of welding processes and welders
- Onsite Inspection, NDT
- Statutory Inspection
- Commissioning Survey
- Start-up test supervision of equipment and systems
- Safety Coordination
- ASME 3rd and 2nd party audit, Health, Safety & Environment (HSD) regulatory consulting
- Contract administration, Site coordination
- Verification of risk assessment
- Final Acceptance on behalf of owner
- Technical Assistance

Training

Management of competencies and the qualifications of personal represent key priority in managing nuclear demands, while the call for technical skills is increasingly exceeding the supply.

With over 25 years of experience, SGS training services provide world-class training solutions, which include:

- NDT Training Courses and examinations in accordance with EN177, ISO 9712, ASNT
- Teaching standards: QHSE, sustainability, internal specific standards etc.
- Training for GHSO internal and external auditors
- Risk & Process approach, Balanced Score Card
- Medical and Electrical inspection etc.
- MDM code
- Radiation, Intervention & Control Regulations
- Qualification of the worker as inspector, supervisor, auditor and for QHSE
- Qualification and certification of welders and welding procedures
- Radioprotection

Other services include:
- Supplier Assessment including design and specific standards
- Quality Health Safety & Environment (QHSE) 2nd and 3rd party audit
- Vendor Shop Inspection
- Material & Equipment Testing
- Non-Destructive Testing (NDT)
- Failure & Ageing Testing
- Quality Health Safety & Environment (QHSE) 2nd and 3rd party audit
- Radiation protection for spent fuel assemblies
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- Qualification of the worker as inspector, supervisor, auditor and for QHSE
- Management of competencies and the qualifications of personnel represent a key priority in managing nuclear demands, while the call for technical skills is increasingly exceeding the supply.
SGS offers a wide array of services and solutions at all stages of the supply chain, from procurement and reprocessing to dismantling. The SGS worldwide network operates in every country, with head offices and laboratories to support the nuclear industry in a global market.

With experienced and qualified staff, SGS operates an extensive network of offices and laboratories to support nuclear and conventional industries. With our unique global network, we can operate in every corner of the world, within hours or days.

Our independent services add significant value to our customers’ operations, optimising their business sustainability, management of quality and competitiveness, while reducing delivery times.

SUPPLY CHAIN
In the global nuclear economy, there is an ever-growing need for solutions to offer control over time and distance. Engineering, Procurement and Construction (EPC) companies and utilities are sourcing from new nuclear equipment suppliers around the world. At the same time, all contributors of the supply chain must meet high standards for quality and performance requirements, due to the evolution of technology. SGS protects clients’ interests when buying and selling.

Our services include:
- Supplier Assessment including design and fabrication standards
- Quality Health Safety & Environment (QHSE)
- Vendor Shop Inspection
- Material & Equipment Testing
- Non-Destructive Testing (NDT)
- Visual & Radiographic Testing
- Welding & Welding Inspection
- Exemplar services
- Project Management services
- Quality Assurance
- Technical Assistance
- Tender Support
- Qualification of NDT methods

CONSTRUCTION & COMMISSIONING
Nuclear power plant construction requires surveillance throughout the project. SGS helps clients to source risk, prevent construction errors, control budgets and effectively keep the construction project within deadlines, thus avoiding problems that might jeopardise the success of the whole enterprise. Our services include:
- Civil/Water Supervision and contract expertise
- Shutdowns and restarts
- Commissioning
- Final Acceptance on behalf of owner
- Technical Assistance

OPERATING
Production facilities must be regularly closed down or taken out of service for planned maintenance operations. Such shutdowns and turnarounds require specialist competencies to minimise the downtime, while covering all maintenance and repair tasks and meeting regulatory requirements.

SGS has implemented a combination of high-end, specialised consultancy and traditional inspection and testing services to assist clients in managing shutdowns, turnarounds and routine maintenance.

Our services include:
- In-Service Inspection, NDT
- Statutory Inspection
- Material & Equipment Testing
- Plant emission examination and analysis
- Energy audit and management
- Technical Assistance
- Williamson of instrumented radioactive waste

RADIATION PROTECTION & DECOMMISSIONING
When a power company closes a nuclear power plant permanently, the facility must be decommissioned by safely removing it from service and reducing any residual radioactivity to a level that permits release of the property and/or the building.

SGS is able to offer its clients a full package for decommissioning, including on-site or off-site assistance. With over 30 years of experience, SGS training services provide world-class training solutions, which include:
- NDT training courses and examinations in accordance with ASME, LOI, EN, ADN
- Training standards: GHS, sustainability, internal specifications, standards etc.
- Training for GHS internal and external auditors
- Risk & Process approach, Balanced Score Card
- Medical & Electrical Inspection etc.
- ASME code
- Radiation Training & Control Regulations
- Qualification of the officer as inspector, supervisor, auditor and for ADN
- Qualification and certification of welders and welding procedures
- Radioprotection
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A network to answer local needs with global solutions

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independence, trust & transparency

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