



SOCOTEC



SOCOTEC NUCLEAR

**INCREASE THE SAFETY AND
OPTIMISE THE PERFORMANCE
OF YOUR FACILITIES**

YOUR CHALLENGES

- › **Be protected against risks** through flaw detection
- › **Ensure reliability** of your facilities operations
- › **Ensure safety** of your employees, environmental protection and business continuity and the continuity of your business

OUR STENGTHS

40 years

of experience in the
nuclear sector

600

experts
in coding and
processes

€60 M

Revenue

36

Dedicated facilities,
including 6 training
centres in France
and an analytical
laboratory in the UK.



1

Wise-back digital
inspection kit
for optimising
safety

OUR DEDICATED NUCLEAR SOLUTIONS

SOCOTEC offers a complete range of services to operators in the field both in France and throughout the world.



DIAGNOSIS & MEASUREMENTS

SOCOTEC carries out monitoring and auscultation:

- › Inspection of floors, underwater and aerial inspections and monitoring underground waters.
- › Auscultation of the state of health of critical infrastructures for real-time monitoring of changes in your facilities.

Using these measurements, we can verify the condition of structures, carry out diagnosis of buildings, visual inspections and an assessment in accordance with SIMEO/OXAND guide.

Our experts also meet the demands for dust accumulation diagnosis and measurement on all nuclear facilities in France, under COFRAC accreditation.

- › Asbestos
- › Lead
- › RCF
- › Coated
- › PAH
- › Etc.



OWNER ASSISTANCE

Local player, our experts can support you in works monitoring or supervision. Our deliverables - including a summary report - are adapted to your requirements.

- › Coordinating, supervising and monitoring works
- › Support to technical departments
- › Prevention
- › BIM
- › Drawing up and updating procedures, feedback files and document files
- › Consultancy and expertise
- › Digital expertise: Thermodynamic and mechanical digital simulation of structures and fluids, fire modelling



REGULATORY INSPECTIONS

SOCOTEC and our teams work on nuclear power plants on a daily basis and, as a trusted third party, we help you with the regulatory inspections of your equipment and facilities

Lifting and handling equipment, work equipment, machinery:

- › Periodic inspections;
- › Inspections prior to commissioning or re-commissioning, support in suitability inspections, assembly and installation inspections, static and dynamic testing
- › Conformity inspection of new or in-service machinery, especially at the request of the Health and Safety Inspectorate
- › etc.

Electrical installations:

- › Inspection before powering up for the issue of a Consuel certificate (electrical installation conformity certificate);
- › Initial inspection before commissioning (conformity)
- › Periodic inspection;
- › Inspection at the request of the Health and Safety Inspectorate
- › Etc.

Ventilation systems

ISO 19443 CERTIFICATION

To ensure nuclear safety and security and control your activities against regulatory requirements, obtain your ISO 19443 certification, dedicated to the nuclear sector.

the energy market combining experience and diversity,



EQUIPMENT INSPECTIONS

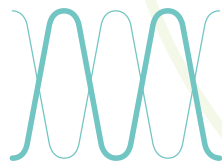
SOCOTEC

is by your side, from the component production site up to the operating tests at the assembly site.

SOCOTEC inspectors have a perfect knowledge of reference documents and standards: RCCM, RCCMR, RCCMRX (French regulations for the design and construction of mechanical components of PWR nuclear islands) - supporting you to guarantee the quality of your operations: Non-regulatory factory and workshop inspections of welding and pipework, mechanical components, civil engineering, electricity and control-command.

- › Prior inspection of documents when production is completed;
- › Visual inspection in accordance with the acceptance criteria of the baseline or specifications.
- › Lifting or maintaining Hold or Witness points;
- › Quality Control.

We can also monitor radioactive waste storage areas.



NON-DESTRUCTIVE TESTING

70 COFREND (non-destructive testing association) certified employees, nuclear specialists, can help you with your challenges: complex geometries, wide thicknesses, large dimensions, etc.

Our COFREND level 3 experts provide technical support to operators for each NDT technique

- › Radiography, on site or in one of three shielded rooms: X or gamma.
- › Ultrasound
- › Penetrant inspection
- › Magnetic particle inspection
- › Visual inspections
- › Sealing
- › Metallurgic analyses



NUCLEAR TRAINING

Specialised in the fields of Industrial Maintenance and Risk Prevention linked to the nuclear industry and radiation protection, SOCOTEC Formation Nucléaire (nuclear training) has 5 facilities in France (Dieppe, Dunkerque, Lagnieu, Rungis and Pierrelatte), and can also work directly at your premises.

- › Training employees in the nuclear industry
- › Assistance & Consulting
- › Dosimetry management/CPRP
- › Safety & Maintenance
- › On-line Training

and your compliance with customer, legal and regulatory the quality management system in the nuclear sector.



WATCH A VIDEO OF ONE OF
OUR TRAINING WORKSHOPS
BY SCANNING THIS QR CODE
OR BY GOING ON YOUTUBE
DOWNLOAD THE QR CODE
APP.



OUR REFERENCE PROJECTS



FLAMANVILLE TR3 EPR PROJECT, EDF

TECHNICAL ASSISTANCE TO THE CONTRACTING AUTHORITY AND INSPECTIONS OF THE REACTOR COMPONENTS AND QUALITY

Contractual, operational and technical management of contracts (coordinating and optimising amendments in terms of costs and scheduling, etc.)

Monitoring the technical conformity of the civil engineering activities (concrete, facings, access roads and services, frameworks, security gates, weatherproofing feedthroughs, etc.), managing non-conformities and discrepancies.

Coordinating and managing the interfaces with the various trades (mechanical, electrical and testing)

Inspecting manufacture and assembly of components



GRAND CARÉNAGE PROJECT, EDF

MODERNISATION PROGRAMME TO EXTEND SITE OPERATING LIFE

Assignments relating to inspections, engineering, diagnostics and measurement along with owner assistance (analysis, quantity surveys, support for studies, logistics support and works supervision from the design phase to acceptance of the works) in civil engineering and mechanics on the Fukushima project (construction of DUS (ultimate diesel generator) and APU (ultimate water supply) works, etc.) and Partner project (real estate, services, etc.)



TECHNICATOME

CONSTRUCTION OF NUCLEAR SUBMARINES

Monitoring and inspections relating to mechanics, boilers, pipework and welding.

Monitoring production at the factory and on site.

Quality control and document supervision in accordance with the client's quality system.

Comprehensive document inspections of manufacturing monitoring files.



ITER PROJECT

THE LARGEST TOKAMAK PROJECT IN THE WORLD: PRODUCTION OF 500 W OF ENERGY BY FUSION

General mechanical and fluids engineering, civil engineering, calculations, equipment inspections, component checks, non-destructive controls, tests and measurements on the world's largest tokamak.



EIRA/FRAMATOME

INSPECTING FACTORIES AND MONITORING PRODUCTION

Inspection of component production on behalf of EIRA, Framatome's inspection entity separate from its operational divisions, for components intended for the nuclear and petrochemical industries



CNEA ARGENTINA

MONITORING THE CAREM 25 NUCLEAR REACTOR

Technical expertise and setting up long-term instrumentation: measuring deformation of the confinement chamber and the temperature during concreting for this new generation reactor that will help secure Argentina's future energy requirements.



EPR FINLAND, TVO, AREVA

STAFF TRAINING

Training in English for more than 500 people working for Areva and Finnish operator TVO, on risk prevention, and radiation protection in particular.



**BUILDING TRUST FOR A SAFER
AND SUSTAINABLE WORLD**

150

SITES IN FRANCE

9000

**EMPLOYEES
INCLUDING**



5000

ENGINEERS

200 000

CLIENTS

+ de 250

**ACCREDITATIONS, RECOGNITIONS,
QUALIFICATIONS**

**23
COUNTRIES**

- › Algeria
- › Austria
- › Bahrain
- › Belgium
- › France
- › Germany
- › Ireland
- › Italy
- › Ivory Coast

- › Japan
- › Lebanon
- › Luxemburg
- › Madagascar
- › Morocco
- › Mauritius
- › Monaco
- › Philippines
- › Singapore
- › Thailand

- › U.A.E. (Abu Dhabi, Dubai)
- › United Kingdom
- › United States
- › Vietnam

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CONTACT

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