

The safety of operating staff, the reliability of facilities.

CERAP PREVENTION

Footprint & key figures





NÜSAM

Establishment in

France Switzerland

United Kingdom
United Arab Emirates

Regular interventions in

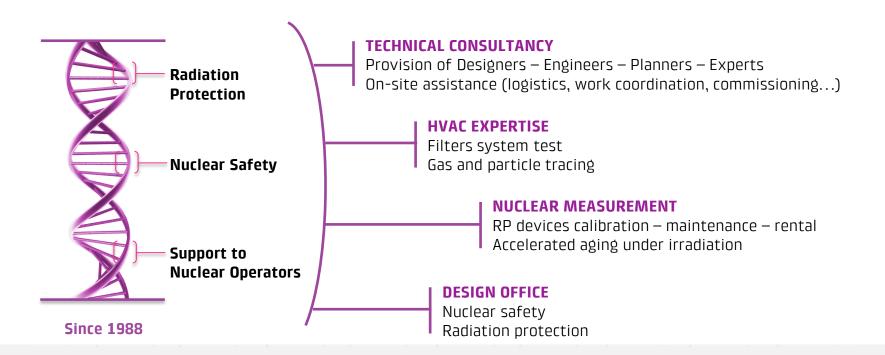
Belgium, Finland, Germany,
Morocco, Sweden...

CERAP PREVENTION



DNA & capabilities – since 1988

From construction to operation and decommissioning, CERAP Prevention and its subsidiaries support key players of the Energy sector in preserving the safety of workers and the reliability of installations.



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CERAP PREVENTION

CERAPUK PREVENTION

Our Expertise in Radiation Protection



60+ PWR NPP

France United-Kingdom Switzerland Belgium South-Africa



10+ research centres and research reactors

France - CEA, ITER, RJH
Switzerland - CERN
Morocco - CNESTEN
Italy - ISPRA



10+ decommissioning sites Fuel cycle facilities UNGG reactors RNR-Na

Radiation risk
Assessment
Radiation monitoring
and control
Dose assessment,
ALARP



Protect workers, public and environment from potential harmful effects of ionizing radiation



Advice on regulation and best practice

Audit, visit and training

Measure & calculate



OUR ACTIVITIES

CERAPUK PREVENTION

Our expertise in Technical Consultancy

Feasability

Basic Design

Detail Design

Commissioning

Operation

Decommissioning

Mechanical engineering

- Calculation & Modelling
- Design codes (RCC, ASME..)
- Pressure Vessel
- General operation
- System
- Ageing management
- Piping & support
- Equipment
- Layout

Electrical Engineering

- HVA/HVB/LV
- Diesel,
- Inverter,
- Calculations
- Cable trays
- EMC
- Lightning protection
- Fire detection system
- Physical protection / safety

Nuclear Engineering

- Commissioning
- Process
- Planning
- Project management
- Quality management
- Maintenance
- Radiation Protection
- Nuclear Safety
- Hazard
- Environment
- Training
- Civil works
- Supply Chain Management

HVAC

- Automation engineering / Control engineering
- Qualification of measurement channels
- Qualification of HEPA filters
- Pricking qualification
- Aeraulic Inventory
- Priming rate
- Equipment
- Support structure

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OUR ACTIVITIES

Our radiation laboratory





Removable X conversion target

Radiation testing with X-ray or e-

Energy range

0.2 - 3.5 MeV

Temperature
From -200°c to +300°C

Vacuum or various gases (Ar, N2, Air, etc)

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Operating Fleet – All Nuclear UK NPP

Radiation Protection Services for ENGIE UK

- Appointed Radiation Protection Advisor
- Dosimetry
- > Training

New Build – Hinkley Point C

Engineering Consultancy

- Design
- Installation & Testing
- Commissioning

Equipment Qualification

- Radiation Testing
- ➤ Member for the **\{\{\}** EQUALLE \} alliance

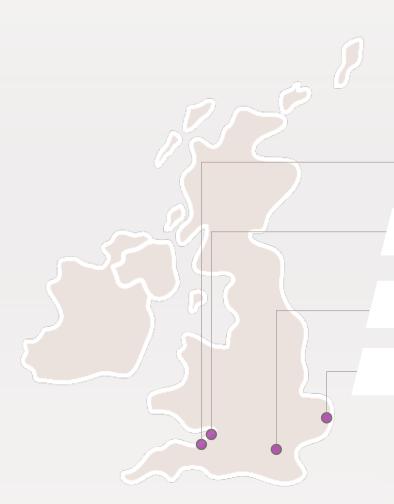




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CERAPUR

Main Current Projects and Locations



Hinkley Point C Nuclear Power Station

Bristol – CERAP UK Main Office

London – CERAP UK Head Quarter

Sizewell B Nuclear Power Station



Main Current Projects and Clients

New Build – Hinkley Point C

Engineering Consultancy

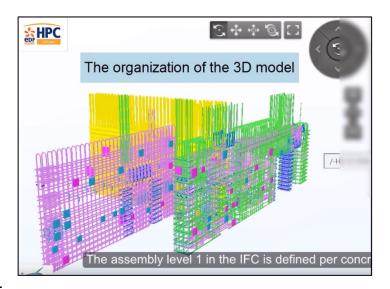
- Civil Engineering
- Mechanical and & Electrical
- Layout
- Piping
- CAD Design 3D Modelling
- Radiation Protection & Nuclear Safety
- > IT Administration for 3D Model software
- Quality and Safety management

Software: PDMS, CATIA, TEKLA, AUTOCAD, PANTHERE

Operating Fleet – Sizewell B Power Station

Technical Support during Unit Outage

- Radiation Protection
- Maintenance



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Main Current Projects and Clients

New Build Hinkley Point C Engineering Consultancy

Operating Fleet

Sizewell B Power Station

Technical Support during Unit Outage















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