



**INTERNATIONAL
NUCLEAR SERVICES**



Department for
Business, Energy
& Industrial Strategy

**UK Government
Department:**
Sets UK policy



Government Agency:
Responsible for clean-up of
the UK's nuclear legacy



NDA subsidiary:
Delivers specialist nuclear
services including
transportation



PNTL

INS subsidiary:
Shipper of nuclear cargoes
(68.75% INS | 18.75% Japanese
Utilities | 12.5% AREVA)

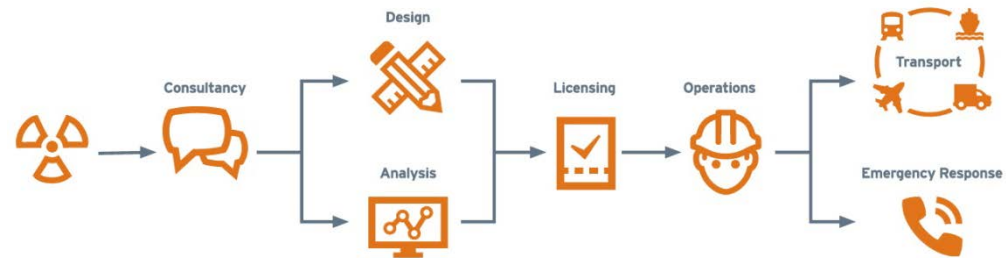
International Nuclear Services

- INS is a wholly-owned subsidiary of the UK Nuclear Decommissioning Authority.
- Over 40 years experience of irradiated fuel management and nuclear material transportation.
- Proven capability to manage and coordinate international nuclear transport projects.
- Extensive knowledge of sea transport in Asia Pacific. Manage a fleet of four INF3 vessels
- Established network of global industry partners.
- Extensive experience of working alongside US DoE / NNSA and transport suppliers for global nuclear removal programmes.

Expertise

INS delivers end to end solutions for nuclear transport logistics, including:

- Package design, testing and licensing
- Transport asset design/manufacture including ancillary equipment and handling assets (lifting beams, transport frames etc.)
- Transport planning to include operational assessments (port assessments, intermodal transfer and handling), regulatory compliance, programme management and quality assurance
- Nuclear transportation management (ships, land transport and craneage etc.)
- Operational support (security, 24hr emergency response)
- Radiological Protection
- Project management and delivery of complex transport projects in international arenas



Why is the transport sector important?

- Nuclear Fuel Cycle
- Critical National Infrastructure
- Strategic policy implementation
- Decommissioning



Types of specialist transport in decommissioning

- Spent Nuclear Fuel
- Radioactive Waste
- Irradiated or contaminated components
- Reactor components

Types of transport

- Road
- Rail
- Sea
- Inland Waterway
- Air



Strategic challenges

- Transport by design
- Denial of shipments/transports
- Regulations/standards
- Competency & Training
- CPPNM Amendment





Tactical challenges

- Cyber security
- UAV & Drones
- Information Security
- Sabotage in transport



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