

# Atlantic Osprey



- We design complete end-to-end transport solutions, including engineering bespoke transport packages to meet your needs
- We bring to you the benefits of our experts' ongoing contribution to IAEA regulations to ensure your transport is efficient and compliant
- Working with INS gives you access to 40 years of transport experience coupled with the latest operational insight

Atlantic Osprey is one of the most versatile nuclear transport vessels in the world, with both a drive-on-drive-off and lift-on-lift-off capability.

In addition, its shallow draught enables it to access a very wide variety of ports, which can make the difference between success and failure in the delivery of a transport project.

Atlantic Osprey is an INF2-class vessel, the second highest level of the International Maritime Organization's INF code, which regulates shipments by sea of packaged irradiated nuclear fuel, plutonium and high level radioactive wastes.

Its versatility allows it to carry all types of nuclear cargoes and its track record includes being used extensively to transport Mox fuel and separated plutonium from the UK to Europe; spent fuel from the UK to Sweden; high level waste from the UK to Holland; as well as spent fuel and radioactive sources from around the world to the USA under the Global Threat Reduction Initiative.

Atlantic Osprey's versatility is due to its design, which allows it to take HGV tractor-trailers, high security vehicles, a variety of ISO containers and also a wide spectrum of specialist one-off transport packages.

This flexibility comes via a stern vehicle ramp, which complements the vessel's scissor hatches, as well as the flexible tie-down arrangements on the internal decks.



In addition, the dimensions of the vessel allow it to access up-river berths, as well as purpose-built deep water facilities, including conventional ferry terminals for HGV or specialist vehicle access.

As with all INS vessels, the Atlantic Osprey is crewed by the most experienced nuclear mariners in the world with safety built-in to both the way they operate and their qualifications. Senior officers are qualified to perform the duties of their immediate superior, for example, a Chief Officer (second in command) holds a Master's certificate.

Safety extends to the specialist provisions on board, which include an additional watertight bulkhead in the cargo space; enhanced fire detection and fire-fighting systems in the hold and machinery spaces; and multiple navigational instruments for built-in redundancy.

The Atlantic Osprey is fully certified to carry out nuclear transports and operates within all relevant regulations for the transport of nuclear cargoes by sea.

As required by the International Atomic Energy Authority, in the unlikely event of an emergency situation developing, all our transports are supported by our in-house emergency response team, which is on 24-hour standby and has access to global resources.



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