

# Transport Vessels for High-level Radioactive Waste (Vitrified Waste)

Satellite Navigation and Communication System

Twin Radars

Twin Propellers and Rudders

Independent Engine & Gearbox

Main Electricity Generator

Collision Reinforcement

Secondary Collision Bulkhead

Generator

Bow Thruster

Primary Collision Bulkhead

## Safety Features of Transport Vessels for HLW (vitrified waste)

- Double hulls and hull reinforcement to withstand collision damage
- Enhanced buoyancy to ensure the ship will continue to float even in extreme circumstances
- Dual navigation, communication, cargo monitoring and cooling systems
- Satellite navigation and tracking
- Twin engines, rudders and propellers
- Additional firefighting equipment, including hold spray and flooding systems, and spare electrical generators
- Fixed radiation monitors for each hold that are linked to an alarm system on the bridge

Reinforced Hatch Cover

Emergency Generator

Salvage Towing Brackets

Transport Vessel Specifications Example	
Size	Length: approx. 104 meters Width: approx. 17 meters
Gross Tonnage	approx. 5,000 tons
Deadweight	approx. 3,500 tons