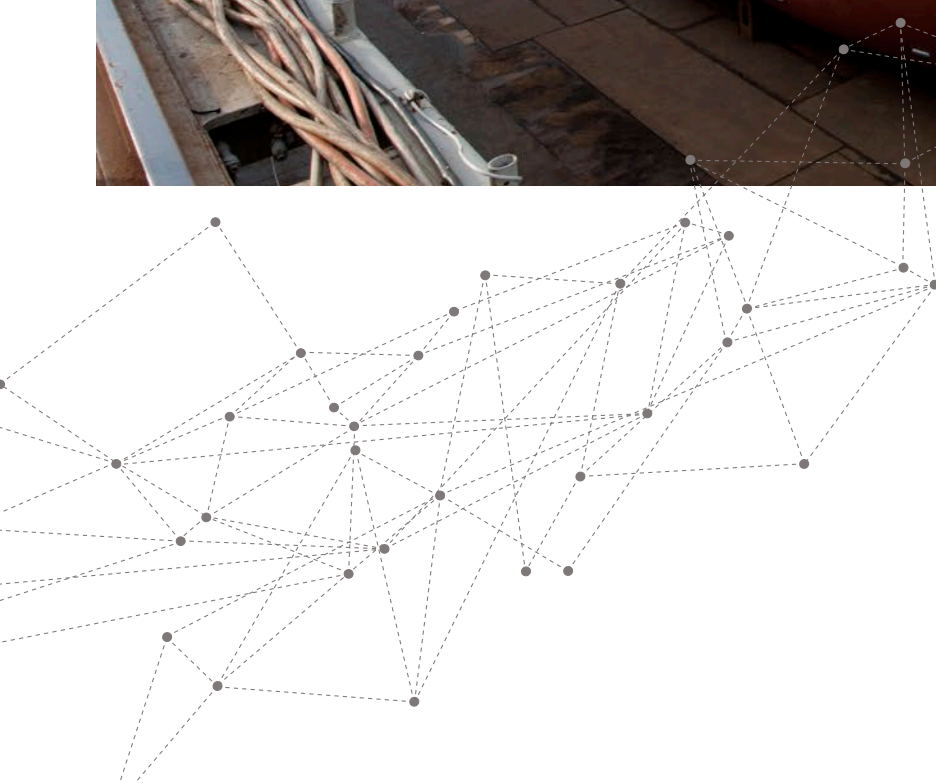




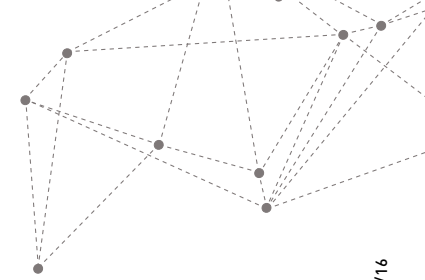
Spent Nuclear Fuel
and Radioactive Waste
Carrier Ship

FINCANTIERI
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Spent Nuclear Fuel and Radioactive Waste Carrier Ship

— Purpose of the ship is to transport Spent Nuclear Fuel (SNF) and Radioactive Waste (RW) mainly using TK-18 containers, but also using other type packages, including 20 ft ISO containers, from bases and ship-repair yards to points of reloading to railway. The ship is designed to the most stringent international rules and is compliant with the International Code for the Safe Carriage of Packaged Irradiated Nuclear Fuel, Plutonium and High-Level Radioactive Wastes on board Ships (INF Code).



sintesa/RUB M-15/16

_ main characteristics



Length overall.....	84.00 m
Length between perpendiculars.....	76.70 m
Dead weight.....	1 700 t
Cargo Holds Capacity.....	720 t
Continuous Speed.....	12 kn
Endurance [Dry Provisions].....	60 days
Endurance [Other Provisions].....	30 days

ENERGY AND PROPULSION SYSTEM

Propulsion.....	2 shafts CODAD
4 Generating sets IFM L1306T2.....	235 kW each
2 Main Diesel Engines IFM V1716T2 MLH.....	1 300 kW each
1 Emergency Generating set L1306T2.....	160 kW

CREW

Accommodation.....	23 people
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Compliant to RMRS ARC 4 ice class
Compliant to INF Code, IBC Code, CSS Code
Compliant to OSPORB-99/2010 (Primary sanitary rules of radiation safety provision)
Compliant to NRB-99/2008 (Radiation safety standards)
Compliant to SP-SATO-2011 (Sanitary Rules. Radiation safety provision while design, construction, operation and disposal of nuclear ship)
Ship's Main Zones: CZ category I, CZ category II, OZ.
Two biologically shielded modular Cargo Holds in order to secure TK-18, TUK-108, NZK-150-1.5P, OVCh casks and 20ft ISO containers
One cargo crane 45 t @ 15m with automatic Heeling System
One Free Fall life boat System

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