

# Switch-on for Russia's floating nuke plant

Russia's first floating nuclear power plant, the Akademik Lomonosov, which environmentalists dubbed "Chernobyl on ice", is preparing to begin operations in the Arctic Far East

## AKADEMIK LOMONOSOV

Nuclear floating power unit (FPU) – named after 18th century Russian scientist **Mikhail Lomonosov**

Crew living quarters

Control room

Refuelling room

Storage of spent fuel assemblies and liquid radioactive waste

**Nuclear power:** Two KLT-40S pressurised water reactors, each producing 35MW of electric energy

ALASKA (U.S.)



## FPU specifications

Length	144 metres
Width	30 metres
Displacement	21,000 tonnes
Accommodation	69 crew
Average towing speed	3.5-4.5 knots

**Propulsion:** Nuclear plant has no engines of its own and must be towed by tugs

Steam-powered turbines

Helicopter deck

## Voyage of Akademik Lomonosov

- 1 Apr 2018:** Leaves St. Petersburg shipyard where it was constructed
- 2 May:** Arrives in Murmansk to load nuclear fuel. Departs Aug 2019
- 3 Sep 2019:** Reaches port of Pevek. Due to begin generating enough electricity for estimated 100,000 homes by end of year