

Russia's sea-based nuclear power plant

Russia's first floating nuclear power plant, the Akademik Lomonosov, is preparing to embark on its maiden mission in the Arctic far east

Pevek, Chukotka district: Floating plant due to be connected to power grid in 2019, supplying electricity to over 50,000 people

AKADEMIK LOMONOSOV
Nuclear floating power unit (FPU) – named after Russian scientist **Mikhail Lomonosov**

Crew living quarters

ALASKA (U.S.)

2,000km
1,250 miles

Planned route of Akademik Lomonosov

Murmansk: Base for nuclear fuel loading

Refuelling room

Storage of spent fuel and radioactive waste

Nuclear power: Two KLT-40S reactor units can generate up to 70MW of electric energy

FPU SPECIFICATIONS

Length **144 metres**

Width **30 metres**

Displacement **21,500 tonnes**

Crew **69**

Average towing speed **4 knots**

Steam turbines

Helicopter deck

Propulsion: Power plant has no engines of its own and needs to be towed by tugs