

PRIRAZLOMNAYA

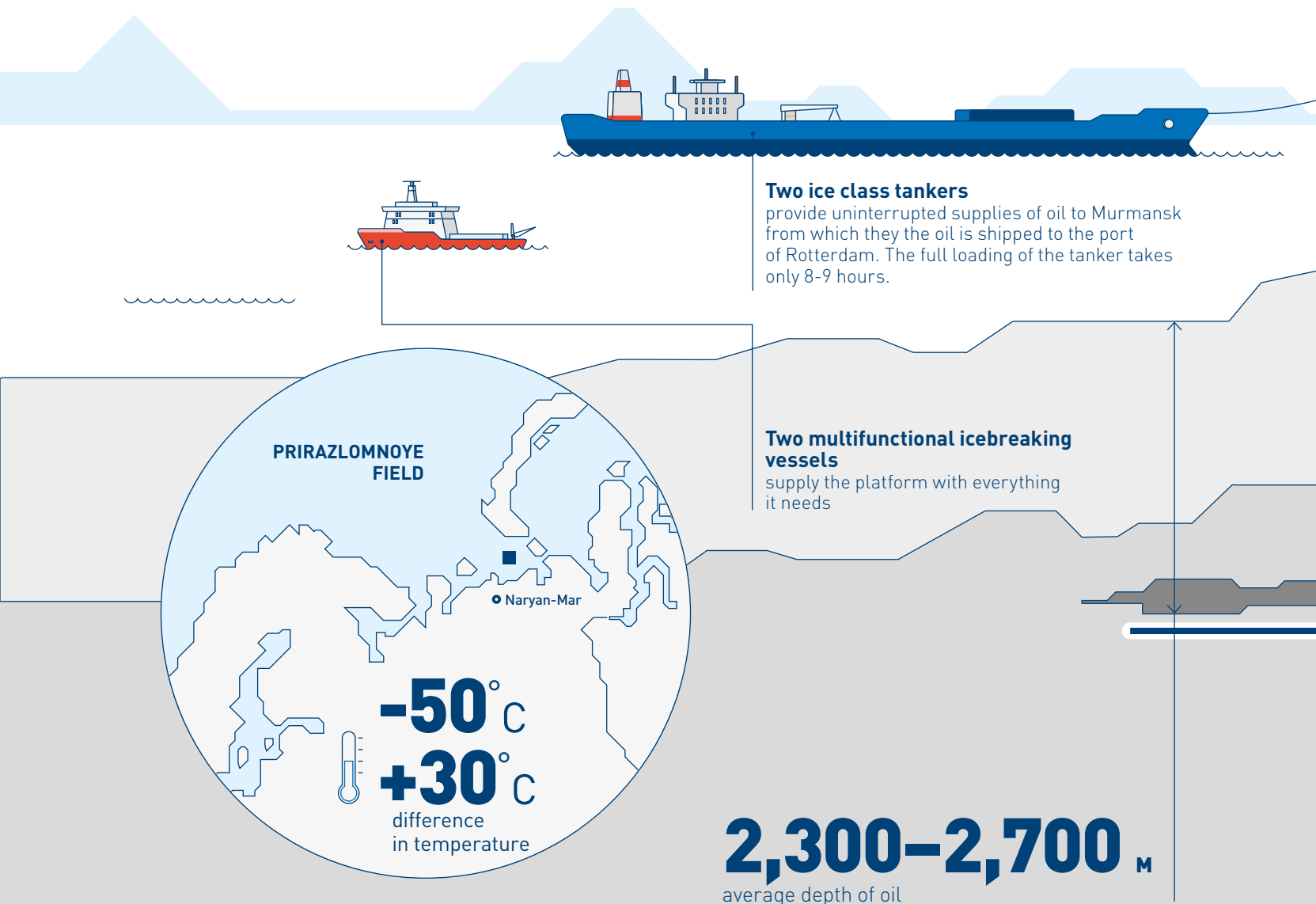
THE WORLD'S FIRST ICE-RESISTANT PLATFORM IN THE ARCTIC

ESTABLISHING TECHNOLOGICAL LEADERSHIP

Prirazlomnaya, the world's first offshore ice-resistant fixed platform (OIRFP) for oil production on the Arctic shelf, launched operations in 2013. It produces Arco grade oil.

The platform is equipped with an automated control and safety system. It utilizes the principle of 'zero discharge' with no industrial or domestic pollution of the environment.

Environmental monitoring is conducted around the platform. Specialists monitor the preservation of biodiversity, in particular the population of the Arctic walrus.



263

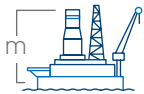
**MNT OF OIL
GEOLOGICAL
RESERVES**

2.64

**MNT OF OIL
PRODUCED IN 2017**

10,900

**T
MAXIMUM DAILY
PRODUCTION LEVEL
IN 2017**



141 M

total height
of the platform

**The closed drilling
derrick operates
in all conditions
and can withstand
winds of up to 51 m/s**



Helicopters
transport staff
from Varandey shift camp.
They fly at a height of more
than 500 m so as not to disturb
animals and birds

**Set of devices for direct
oil shipment to tankers.**

In the event
of any problems,
the system stops
shipping in 7 seconds



МЛСП «ПРИРАЗЛОМНАЯ»

The caisson – the foundation
of the platform – is divided into
16 storage tanks for 240,000 m³.
They are always filled with water
or oil. This prevents oxygen
from getting in and the risk
of explosion

The shut-off valve
at a depth of 150 m
and a backup hydraulic
valve immediately isolate
the well in the event
of an accident

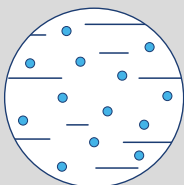
20 M
sea depth

2 M
ice thickness
in winter

Currently commissioned
**13 wells, including
8 producing,
4 injection
and 1 slurry well**

The Pirazlomnaya OIRFP
is designed to work in harsh
Arctic conditions

5 M
formation
thickness



4,000–8,000 M
length of wells