The use of the Northern Sea Route allows to reduce the distance by 30-40%.
1932 – Northern Sea Route was passed during a single navigation by Schmidt expedition

1957 – launched the first nuclear icebreaker “Lenin”

1959

1978
The route Murmansk – Dudinka was opened for year-round navigation

Vladivostok

Saint-Petersburg
Arkhangelsk
Murmansk
Dudinka

Universal Atomic Icebreaker Project 22220 (IB60)
ICE CONDITIONS

Clear Water
Fast Ice
Old Ice
Ice Concentration 7-10 points
Ice Concentration 1-6 points
Extra Young Ice
Young Ice
One-Year Ice (30-200 cm)
The cargo turnover of the Northern Sea Route has significantly increased in recent years. This is due to the restoration of transit volumes and the resumption of the supply shipments to arctic ports.
THE USE OF THE NORTHERN SEA ROUTE BY NOVATEK

2010  Murmansk – Ningbo voyage

2011  600 thous. t gas condensate
       (9 tankers)

2012  487 thous. t gas condensate
       (8 tankers)

2013  120 thous. t gas condensate
       (2 tankers)
NOVATEK, TOTAL and CNPC are developing YAMAL LNG Project

NOVATEK, TOTAL and CNPC реализует проект по строительству завода по сжижению природного газа

60% NOVATEK

20% CNPC

20% TOTAL

16.5 mln t / year

2013 – port Sabetta commissioned

2017 – phase 1 (5.5 mln t)

2018 – phase 2 (5.5 mln t)

2019 – phase 3 (5.5 mln t)
The modules for the LNG Plant were shipped by the Northern Sea Route.

Novatek resources in the region led to increase the LNG and condensate production capacity up to 35 mln t/year.

15 Arc7 LNG carriers will be used by the project.
ARCTIC PROJECTS

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Operations of shelf deposits survey.