

Organizers:
VOSTOCH CAPITAL

Yamal-Nenets
Autonomous
District Government



YAMAL MEGA-PROJECTS

FACTS AND FIGURES

**YUZHNO-TAMBEYSKOYE
FIELD**

YAMAL LNG

**BOVANENKOVSKOYE
FIELD**



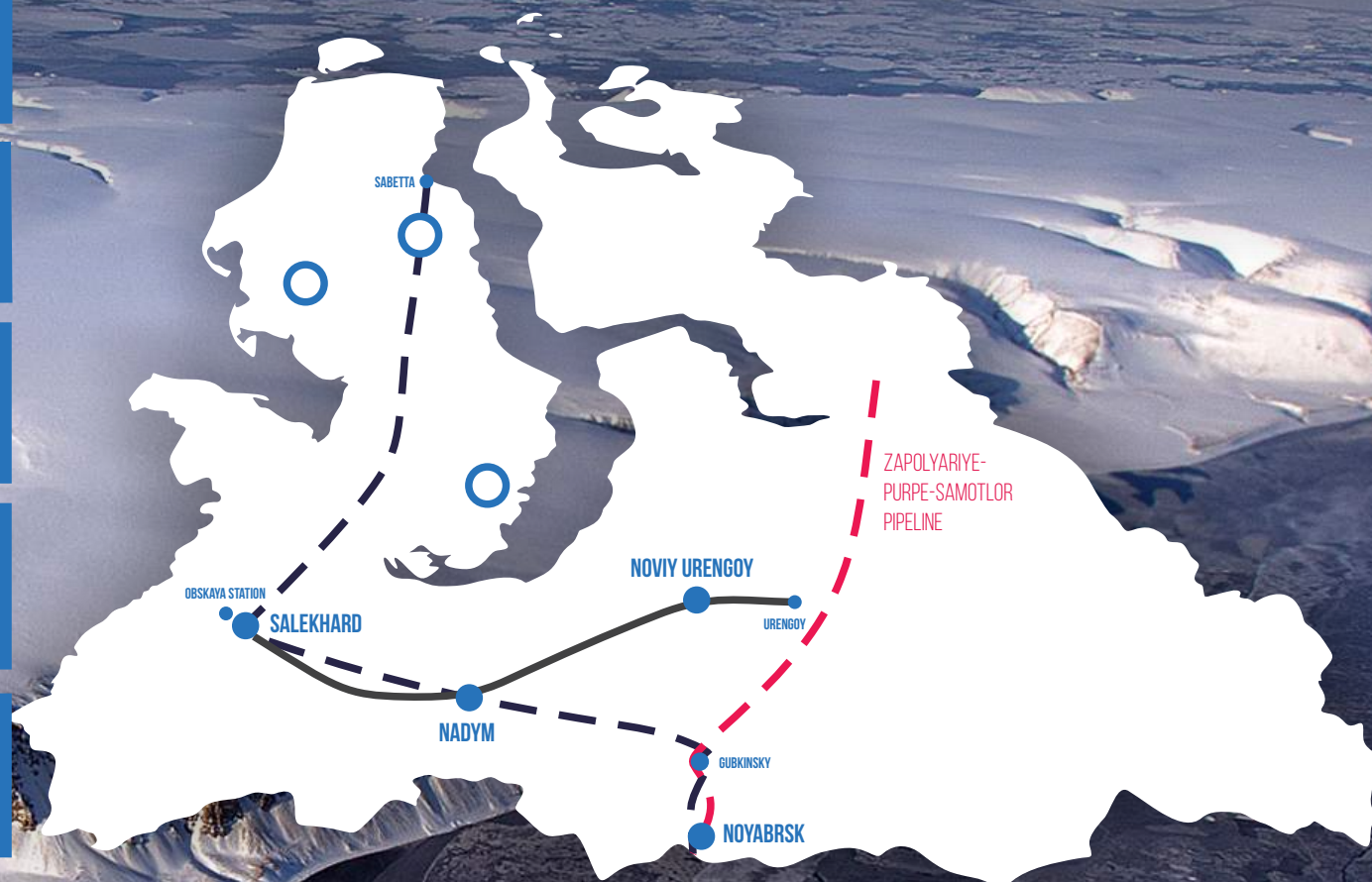
**NOVOPORTOVSKOYE
FIELD**



**NOVIY URENGOY GAS
CHEMICAL COMPLEX**



**ZAPOLYARIYE-PURPE-
SAMOTLOR PIPELINE**



PARTNERS:

bluewater



FMC Technologies

Schlumberger



Technip



ITT



Aker Arctic

SAMSUNG



YAMAL LNG SIEMENS





YUZHNO-TAMBEYSKOYE
FIELD

YAMAL LNG

YAMAL MEGA-PROJECTS

FACTS AND FIGURES

Yamal LNG Project involves the construction of liquefied natural gas (LNG) production plant using the resource base of Yuzhno-Tambeyskoye field located at north-east of Yamal peninsula.

Proved and possible reserves of the field based on PRMS standard, as of the beginning of 2015 were as following:

926 BCM
OF GAS

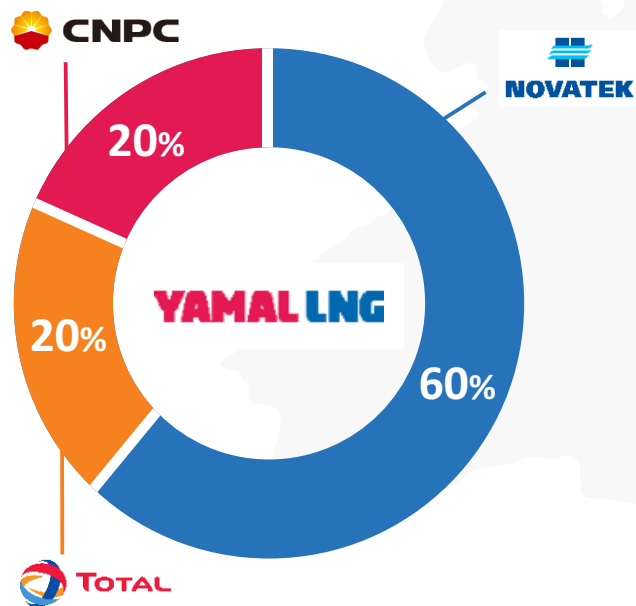
30 MM OF LIQUID
HYDROCARBONS

Field development projects provides drilling of:

280 WELLS
ON 19 CLUSTERS

As for the beginning of 2015, there were drilled:

26 PRODUCTION WELLS
WITH CAPACITY **16,5 MMPPA**



FORMATION DEPTH IS
900-2 850 M

5 superficial gaseous formations

37 deep gas condensate formations

The license for Yuzhno-Tambeyskoye field development is valid until 2045.

LNG plant consisting of three process lines, with capacity

5,5
MMTPA LNG

Projected field production level exceeds:

27 BCM GAS
ANNUALLY



BOVANENKOVSKOYE
FIELD



YAMAL MEGA-PROJECTS

FACTS AND FIGURES

The first Yamal project is focused on Senomanian-Aptian deposits' development of Bovankovskoye field.

First startup facility, which includes:

- gas treatment plant (GTP) **30 BCM GAS PER YEAR**
- **60 WELLS**

Projected gas production volume for Senomanian-Aptian deposits is defined as following:

(reaching designed capacity is expected in 2019-2021)

**115 BCM GAS
ANNUALLY**

In long-term prospective, projected gas production volume on the field, considering Neocomian-Jurassic gas-condensate deposits will increase up to:

**140 BCM GAS
ANNUALLY**

Totally,
Bovankovskoye
will operate:

**3 GAS
FIELDS**
[4 GTP, 12 BCS, 775 WELLS]

Planned number of **production
infrastructural and auxiliary facilities**

ABOVE 200 

RAILWAY
«OBSKAYA-BOVANENKOVO»
Obskaya station **← 572 KM →** Karskaya station
(525 km to Bovankovskoye station)

 **the longest railway bridge in
the Arctic circle in the world** **3,9 KM**

 Two-flow main gas pipelines are
constructed to export Yamal gas
«BOVANENKOVO-UKHTA»
(planned completion of construction is 2016)

Manpower
will increase **1800 PERSONS**

Manpower considering
service companies
will be **3000 PERSONS**



NOVOPORTOVSKOYE
FIELD



YAMAL MEGA-PROJECTS

FACTS AND FIGURES

One of the biggest Yamal oil and gas condensate fields under development

Field reserves in C1 and C2 categories are exceeding:

**250 MMT OF OIL
AND CONDENSATE**

**320 BCM GAS
ANNUALLY**

2nd phase oil pipeline
construction:
minimal transportation
volume



**5,5 MMT OIL
ANNUALLY**

Pressure oil pipeline more than: **100 KM LONG** with capacity: **600 THOUSAND TONS
PER YEAR**

After pipeline power increasing and oil loading
terminal construction, Novy Port oil will be
exported by sea **ALL YEAR ROUND**



New oil grade:
Contains lower level of
sulphur (near 0,1) than
Russian Urals

NOVY PORT

sea shipment
CAPE KAMENNIY



start of field
industrial
production

2016



ZAPOLYARIYE-PURPE-
SAMOTLOR PIPELINE



YAMAL MEGA-PROJECTS

FACTS AND FIGURES

New types of pipe stools are specially designed for the project; oil heating and soil thermal stabilization are used

1 STAGE

(from 2011)

PURPE

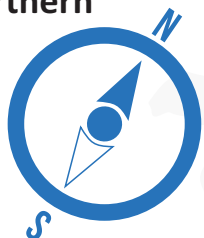
(Yamal-Nenets Autonomous District)

← 429^{KM} →

SAMOTLOR

(Khanty-Mansiysk Autonomous District - Ugra)

The most northern
Russian oil
pipeline:



Number of created
work places:

10 000

SHORTEST ROUTE

to connect Yamal and Krasnoyarsk Region northern fields
with Russian refineries and worlds markets oriented to

EASTERN SIBERIA-PACIFIC OCEAN

2 STAGE

ZAPOLYARIYE

← 488^{KM} →

PURPE

Capacity:

45

**MMT OIL AND RAW
HYDROCARBONS
PER YEAR**

Completion
term:

2016



NOVIY URENGOY
GAS CHEMICAL
COMPLEX



YAMAL MEGA-PROJECTS

FACTS AND FIGURES

The Project is developed on the basis of advanced foreign technologies and provides creation of single process chain including ethylene production from mixed raw hydrocarbons and further production of LDPE.

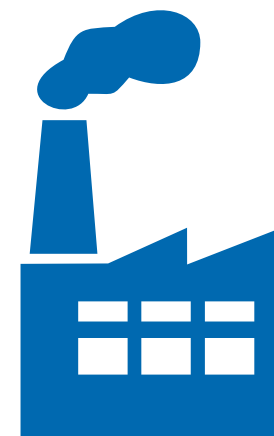
Project capacity of Chemical complex is

**420 THOUSAND TONS
OF POLYETHYLENE
PER YEAR**

Besides main products, it will produce:

Y-GRADE NGLS AND METHANE FRACTIONS

The complex will be:
**THE BISSEST
IN RUSSIA**



For production of

**OF ETHYLENE AND
POLYETHYLENE**

gas is planned to be used from

URENGOY
GAS CONDENSATE FIELD

Completion term:
2016

We invite you to discuss these and other current and prospective Yamal projects
during the 5th international forum



Yamal-Nenets
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YAMAL OIL and GAS

8-9 June, 2016, Salekhard, Russia



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