Progress of Mitsui's LNG Projects



July 8th, 2019 Mitsui & Co., Ltd.

Participation in Arctic LNG 2 Project in Russia

- 1. Project Overview
- 2. Development Concept
- 3. Advantages of the Project



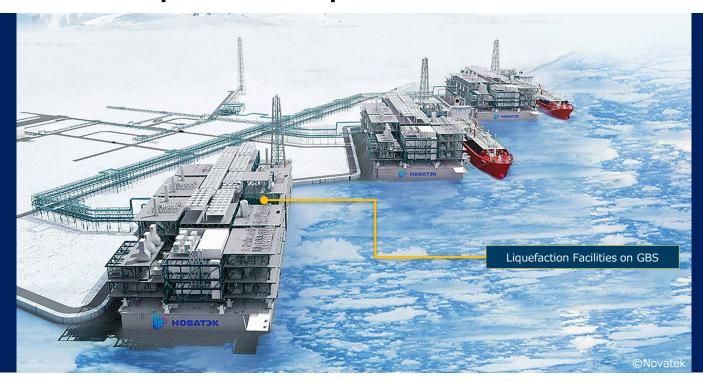
Project Overview

Site	Gydan Peninsula Yamalo-Nenets Autonomous District, Russian Federation	
Licensed Area	Utrenneye gas condensate field	
LNG Production Capacity	19.8 million tonnes / year (3 trains total)	
Project Company	Arctic LNG2 LLC	
FID timing	3Q, 2019 (Plan)	
Estimated Costs	21-23billion USD ⁽¹⁾	
Participants (After Mitsui's participation)	Novatek 60% TOTAL 10% CNPC 10% CNOOC 10% Japan Arctic LNG* 10% *Joint Venture of Mitsui and JOGMEC	
	(1)Estimation of Novatek	





Development Concept



Development Concept

- Upstream development of conventional onshore gas field.
- ◆ Liquefaction facilities on Gravity-Based Structure (GBS)
- Decrease of site work with Modular liquefaction facilities
- Construction of GBS and facilities modules in dedicated yards

Production Start(1)

↑ 1st Train: 2023
 ◆ 2nd Train: 2024
 ◆ 3rd Train: 2025-26

(1)Estimation of Novatek



Advantages of the Project





Mozambique Area 1 LNG Project

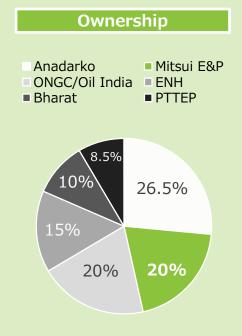
- 1. Exploration Block & Development History
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Exploration Block & Development History

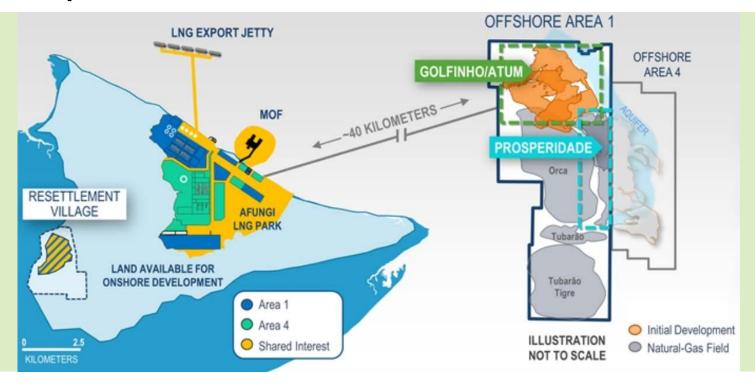








Development Overview





Artist's Rendering

- LNG Production Volume:
 12 million tons / annum
 (2 trains)
- LNG Storage Capacity: 360,000 m³ (2 tanks)
- Total Development Costs: Approx. US\$ 23 billion
- Production Start : CY 2024





Features

- ♦ One of the world's largest natural gas reserves (75 trillion cubic feet)
- Located in East Africa, a new supply source
- Strategic location provides access to markets in the Far East, Asia,
 Europe, Central and South America, and others
- Strong support from the Mozambique government

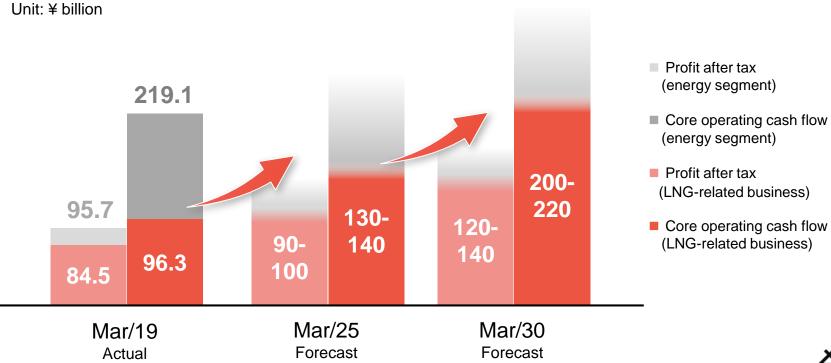
LNG sales destination	Annual sales volume (million tons)
Tokyo Gas & Centrica	260
Shell	200
JERA & CPC	160
CNOOC	150
EdF	120
Bharat	100
Pertamina	100
Tohoku Electric Power	28

Total of over 11m tons





Quantitative Forecast





360° business innovation.

