

**INPEX**

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**Construction of  
Naoetsu LNG Receiving Terminal**

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**November 15, 2011**

**INPEX CORPORATION**

**INPEX**

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**INPEX**


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## General Outline of “INPEX” Business, and Position of Naoetsu LNG Receiving Terminal in our Business

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## Corporate Profile

**INPEX**

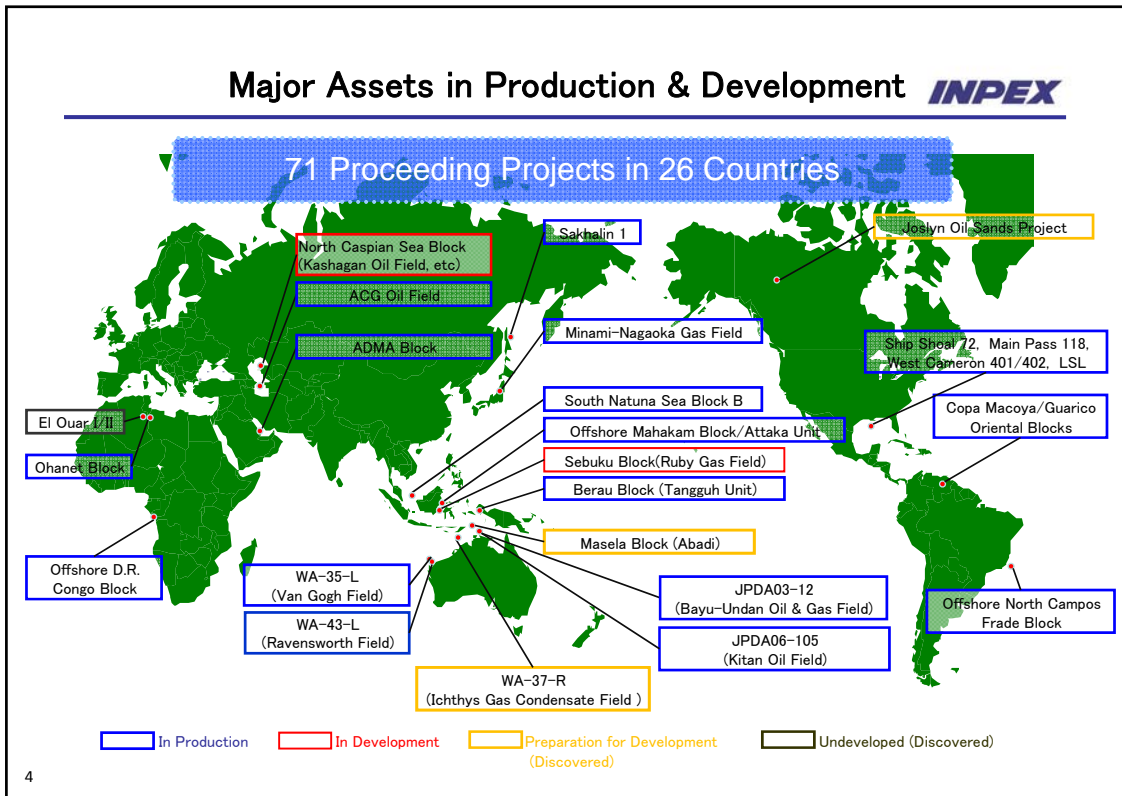
### ■ Overview (as of end of March 2011)

- Capital : ¥290,809,835,000
- Number of Employees : 1,854 (Consolidated)
- Stock Data
  - Common shares : 38,753 shareholders/3,655,809 shares
  - Special-class share : 1 shareholder (Minister of Economy, Trade and Industry)/1 share
- Subsidiaries & Affiliates : 53 Consolidated Subsidiaries & 15 Affiliates

- Business activities in 26 countries. (71 project)
- The international oil & gas exploration company with the biggest production and reserves among Japanese companies

### ■ Mission and Vision

The mission of the INPEX is to provide a stable and efficient supply of energy to customers by exploring and developing oil and natural gas resources both domestically and throughout the world. Through its business, we aim to become an integrated energy company, which contributes to our community and makes it more livable and prosperous.



### Ichthys Project / Abadi Project **INPEX**

**Ichthys Project**

- ◆ Offshore Western Australia, Australia
- ◆ Discovered the high-potential gas and condensate field in 2000. Preparation for exploration is ongoing.
- ◆ Operator: INPEX CORPORATION
- ◆ Interests ratio: 76%
- ◆ Production volume (expected):  
8.4 MM t/y of LNG  
1.6 MM t/y of LPG
- ◆ Production start target: 4Q 2016

**Abadi Project**

- ◆ Arafura Sea, Indonesia
- ◆ Discovered gas-condensate field in 2000. Exploration activities are ongoing.
- ◆ Operator: INPEX CORPORATION
- ◆ Interests ratio: 90%  
(Agreed to transfer a 30% participating interest to a subsidiary of Shell)
- ◆ Production volume (expected):  
2.5 MM t/y of LNG.

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## Domestic Natural Gas Business **INPEX**

Domestic Pipeline Network

- Minami-Nagaoka Gas Field (production commenced in 1984)
- Gas Distribution:  
To Town Gas Enterprises, Commercial and Industrial Users in 8 Prefectures through Pipeline Network of Approx. 1,400km in Total
- Natural Gas Sales: Approx. 1.7 billion m<sup>3</sup> (Fiscal Year 2011)
- Introduction of LNG from Shizuoka Gas Co., Ltd. in 2010
- Construction of LNG receiving terminal in Joetsu City (Start-up target: 2014)

As of May, 2011

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## To Establish Gas Supply Chain **INPEX**

Exploration & Production
Liquefaction
Shipping & Re-gasification
Distribution

(DST in Masela Block)

- Early commercialization of discovered oil & gas fields overseas
- Active exploration and production overseas

(Bontang LNG Plant)

- Steady progress of large-scale LNG projects (Ichthys and Abadi)

(Naoetsu LNG Receiving Terminal)

- Diversifying source of feed gas for expansion of domestic natural gas business

(Shizuoka Line)

- Optimal utilization of domestic gas and overseas LNG
- Connect domestic pipeline network with overseas sources

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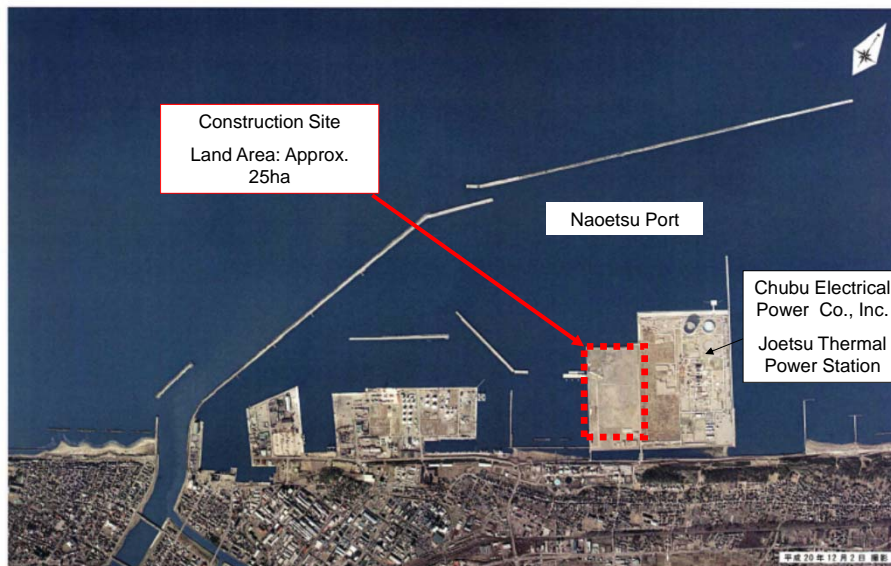


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## Overview of Naoetsu LNG Receiving Terminal

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### –Naoetsu LNG Receiving Terminal– Construction Site

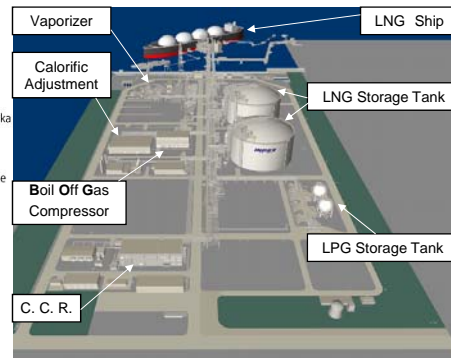
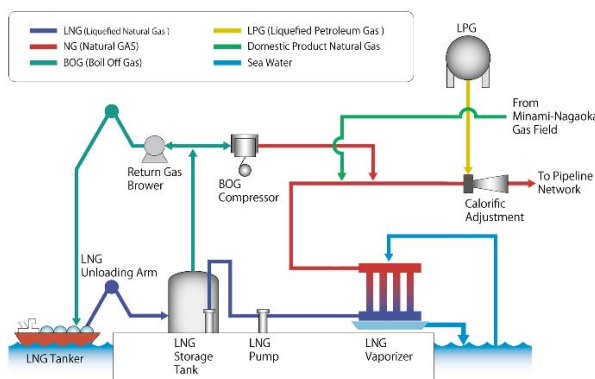


Aerial photo as of Dec. 2008 by Niigata port and airport development office, Hokuriku Regional Development Bureau, Ministry of Land, Infrastructure and Tourism

**–Naoetsu LNG Receiving Terminal– Abstracts**



- Gas Production Capability : 7.5 Million Nm<sup>3</sup>/d (LNG 240 ton/hr)
- LNG Storage Tanks : 180,000kL × 2 (1 addition in future)
- Investment : Approx. 100 Billion JPY (Incl. Land Acquisition Cost)
- Operation Start : 2014



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**Construction Schedule of Naoetsu LNG Receiving Terminal**

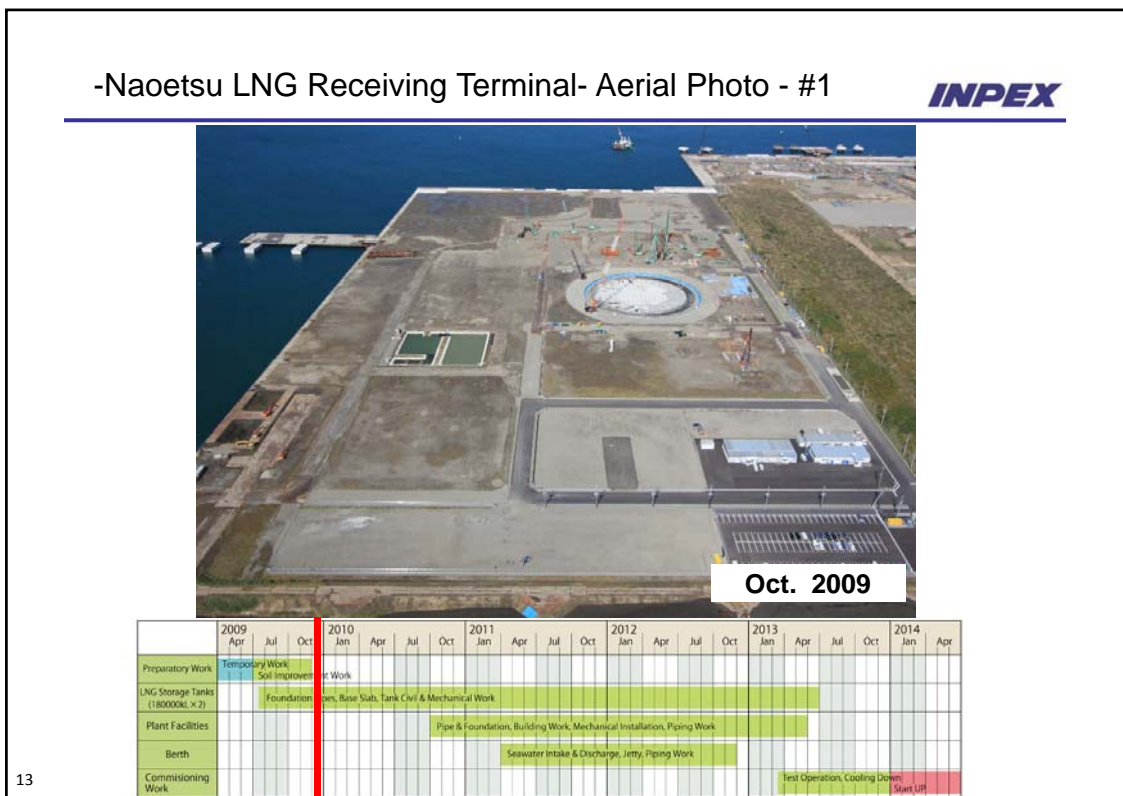
**-Naoetsu LNG Receiving Terminal- Construction Schedule** *INPEX*

Calendar Year	2009	2010	2011	2012	2013
<b>LNG Storage Tank Civil Const.</b> (J.V. for Tank)	Soil Improvement, Pile & Base Slab	Base Slab & PC Dike	PC Dike	Close of Tentative Opening of PC Dike	Side Insulation
<b>LNG Storage Tank Mechanical Const.</b> (J.V. for Tank)		Base Plate & Roof	Roof & Air Raising	Side Plate Pressure Test	O <sub>2</sub> Purge
<b>Plant Facility</b> (Chiyoda Corp.)		Pile & Foundation	Piping & Machinery Installation	Piping, Insulation, Control Equipment Commissioning	Electrical and Instrumentation Installation, Test & Commissioning
<b>Berth</b> (Toa Corp.)			Seawater Intake & Discharge, Berth	Berth	

● In-field activities with crane work are not assumed to be possible due to severe winter weather conditions for about three months and half from November to Mid-March

**Contractors:**  
 LNG Storage Tank : Joint Venture  
   Toyo Kanetsu K. K. (Mech.)  
   Shimizu Corporation (Civil)  
 Plant Facility : Chiyoda Corporation  
 Berth : Toa Corporation

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-Naoetsu LNG Receiving Terminal- Aerial Photo - #2



	2009			2010			2011			2012			2013			2014	
	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr
Preparatory Work	Temporary Work			Soil Improvement Work													
LNG Storage Tanks (180000KL x 2)				Foundation Piers, Base Slabs, Tank Civil & Mechanical Work													
Plant Facilities					Pipe & Foundation, Building Work, Mechanical Installation, Piping Work												
Berth								Seawater Intake & Discharge, Jetty, Piping Work									
Commissioning Work																Test Operation, Cooling Down	
																	Start Up

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-Naoetsu LNG Receiving Terminal- Aerial Photo - #3



	2009			2010			2011			2012			2013			2014	
	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr
Preparatory Work	Temporary Work			Soil Improvement Work													
LNG Storage Tanks (180000KL x 2)				Foundation Piers, Base Slabs, Tank Civil & Mechanical Work													
Plant Facilities					Pipe & Foundation, Building Work, Mechanical Installation, Piping Work												
Berth								Seawater Intake & Discharge, Jetty, Piping Work									
Commissioning Work																Test Operation, Cooling Down	
																	Start Up

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-Naoetsu LNG Receiving Terminal- Aerial Photo - #4



May. 2011

	2009			2010			2011			2012			2013			2014		
	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	
Preparatory Work	Temporary Work Soil Improvement Work																	
LNG Storage Tanks (180000KL x 2)				Foundation Piers, Base Slab, Tank Civil & Mechanical Work														
Plant Facilities							Pipe & Foundation, Building Work, Mechanical Installation, Piping Work											
Berth								Seawater Intake & Discharge, Jetty, Piping Work										
Commissioning Work																Test Operation, Cooling Down Start Up		

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-Naoetsu LNG Receiving Terminal- Aerial Photo - #5



Sep. 2011

	2009			2010			2011			2012			2013			2014		
	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	
Preparatory Work	Temporary Work Soil Improvement Work																	
LNG Storage Tanks (180000KL x 2)				Foundation Piers, Base Slab, Tank Civil & Mechanical Work														
Plant Facilities							Pipe & Foundation, Building Work			Mechanical Installation, Piping Work								
Berth								Seawater Intake & Discharge, Jetty, Piping Work										
Commissioning Work																Test Operation, Cooling Down Start Up		

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***INPEX***

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**End**

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