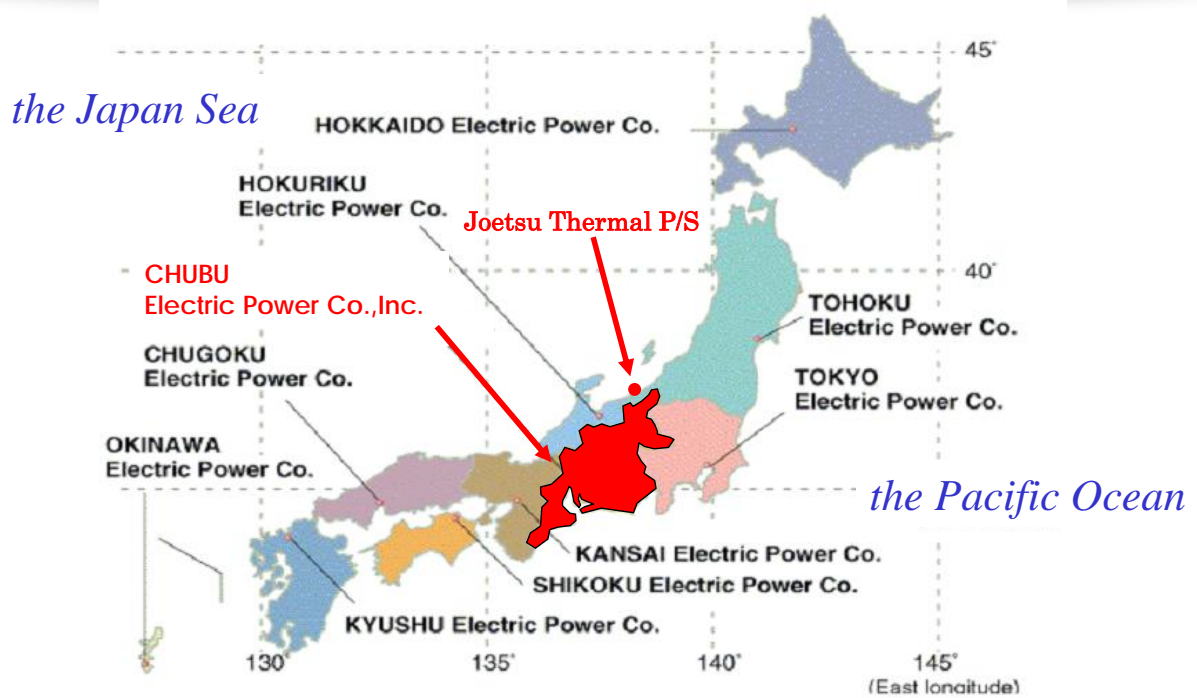




**Chubu Electric Power Co., Inc.  
Joetsu Thermal Power Station  
Toshihisa Sato**



*Supply area and Frequency*



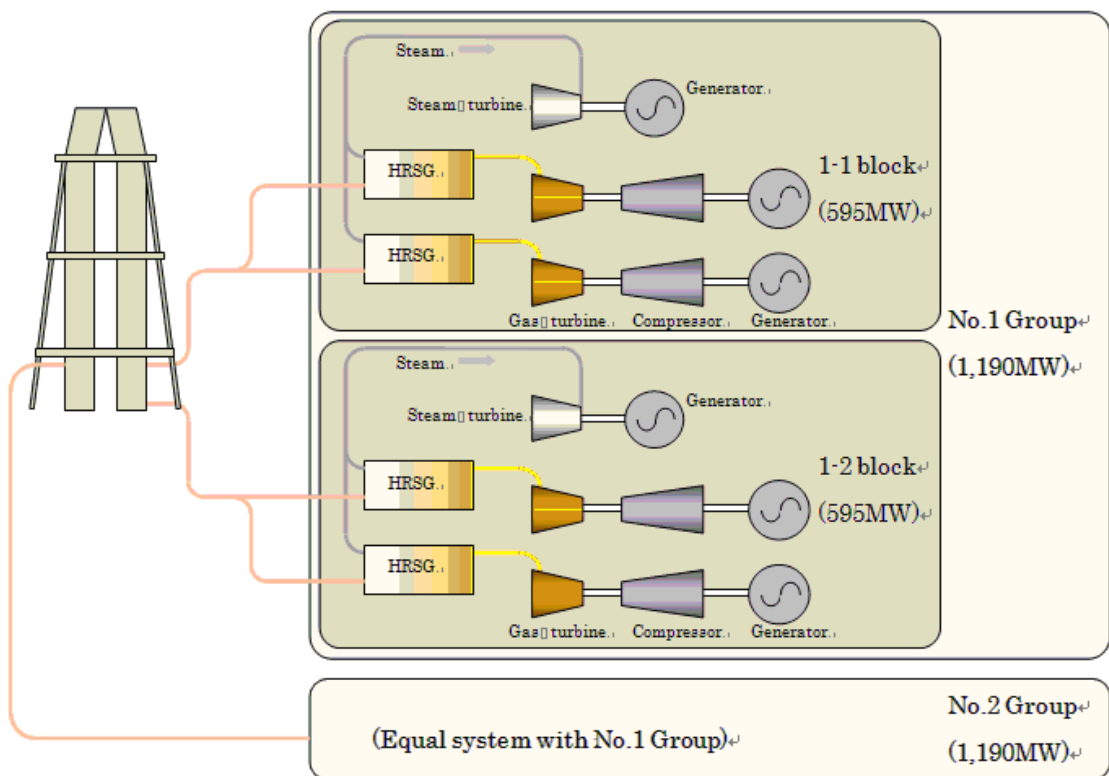


# Outline of Joetsu P/S

	1-1,1-2,2-1,2-2(2Groups,4Blocks)
Total output	2,380MW(1,190MW/Group,2Groups)
System	Multi-Shaft Type Combined Cycle (Composed of 2GasTurbines,2HRSGs and 1SteamTurbine)
Fuel	LNG (180,000kL × 3Tanks)
Fuel consumption	2,000,000t/year(approximately)
CO <sub>2</sub> reduction effect	1,600,000t/year(approximately)



## Multi-Shaft type Combined Cycle system Composed of 2Gas Turbines,2HRSGs and 1Steam Turbines





# Schedule of the Joetsu project

	2007	2008	2009	2010	2011	2012	2013	2014
1-1Block	▼Groundbreaking March-07					▼July-01		
1-2Block							▼January	
2-1Block							▼July	
2-2Block								▼May-15
LNG Equipment								▼May-15
Tank1						▼July-01		
Tank2						▼Oct.-11 First LNG Ship arrival	▼January	
Tank3							▼July	



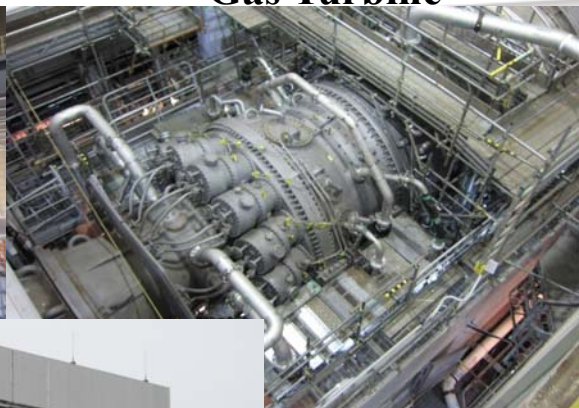
# Gas Turbine / Steam Turbine / HRSG

Gas Turbine



Gas Turbine

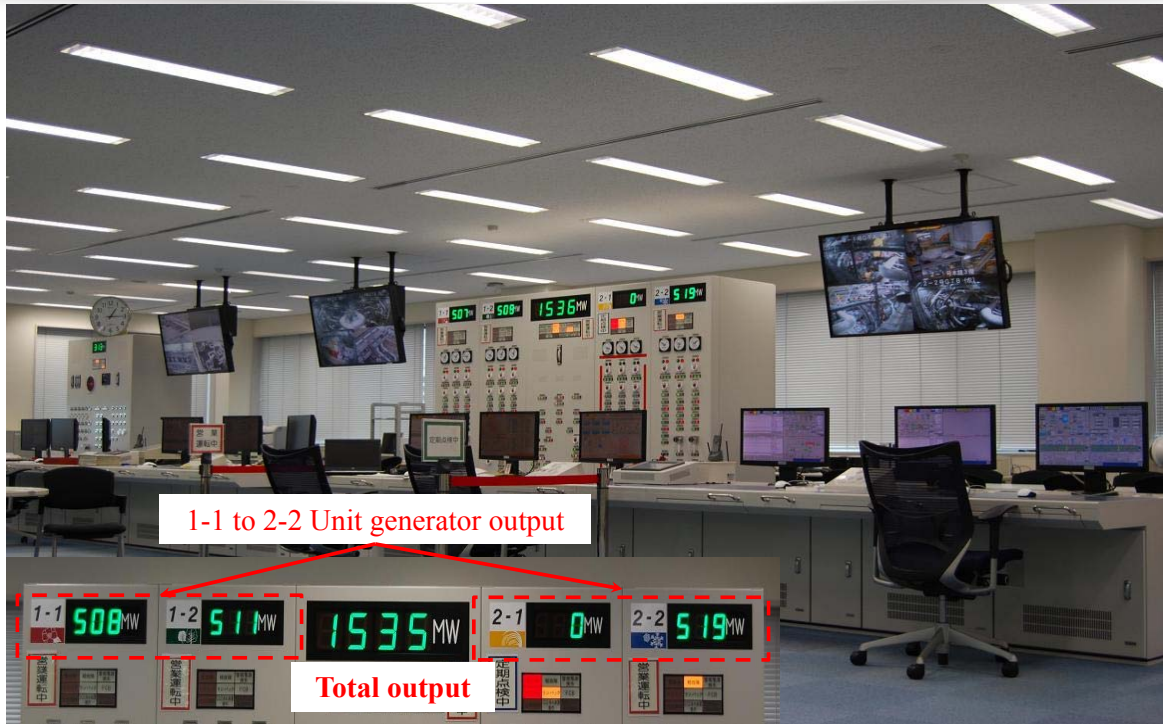
Steam Turbine



Heat Recovery Steam Generator (HRSG)



## Control room

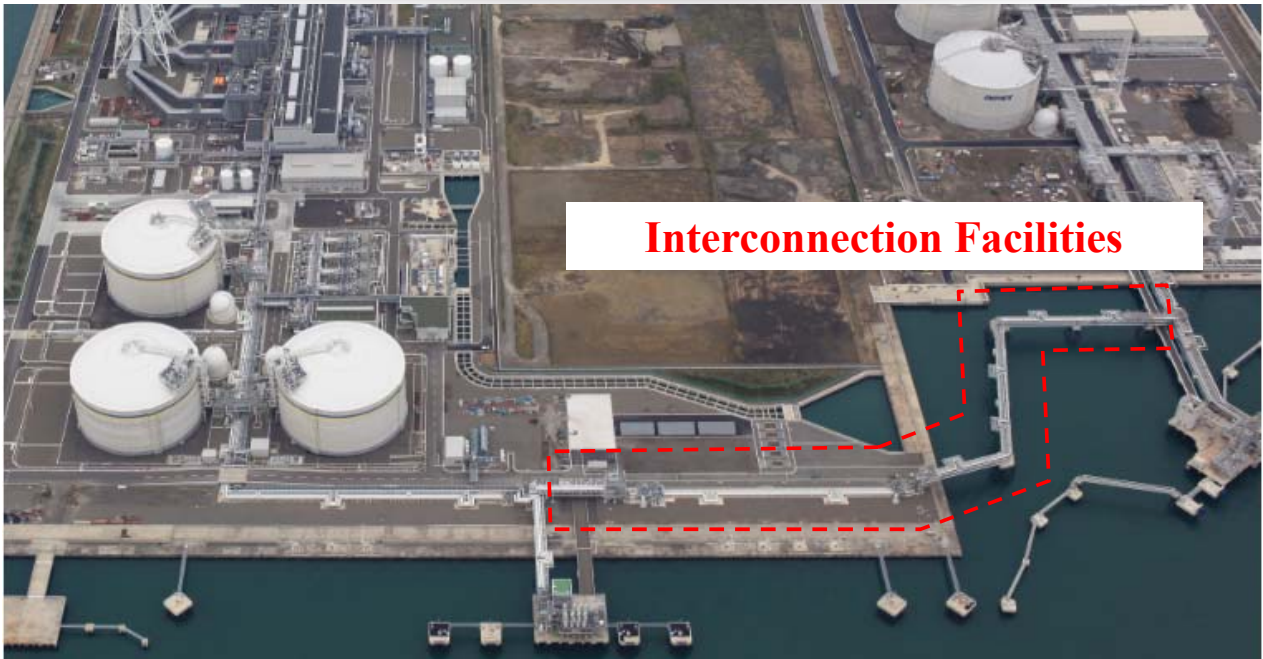


## LNG Tank

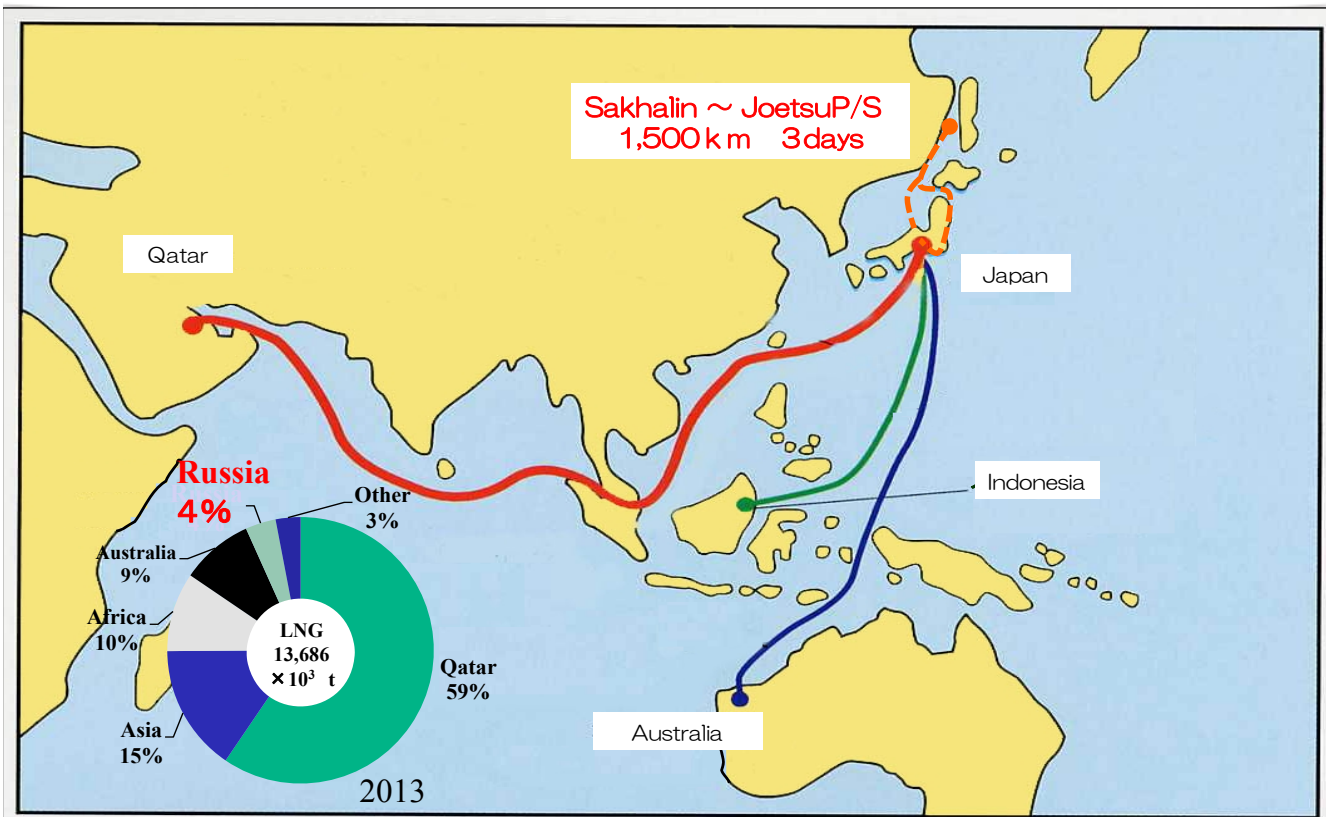




## Interconnection Facilities



## LNG Transportation

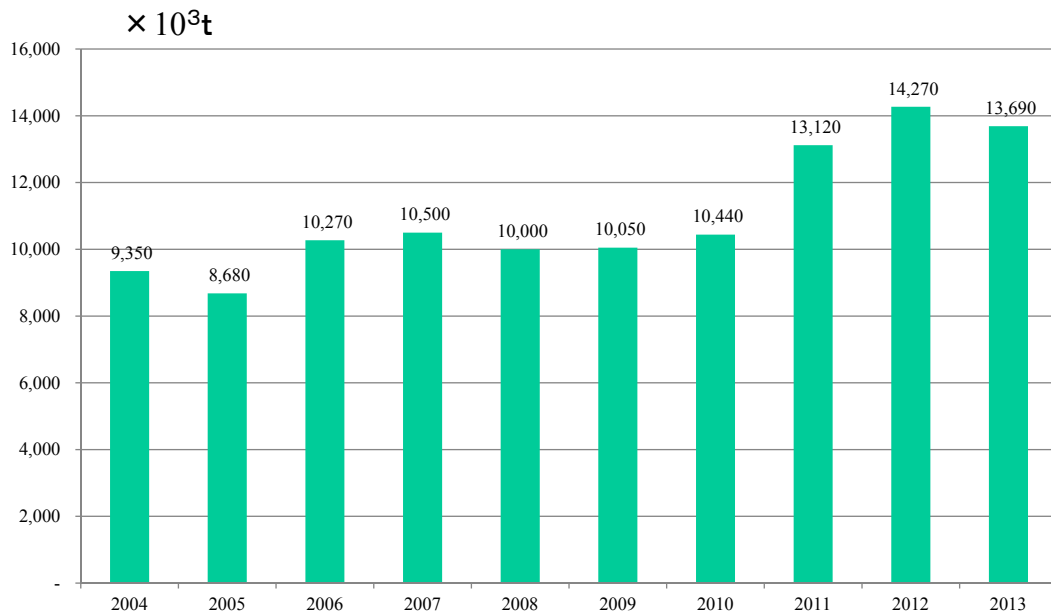




# LNG Ship

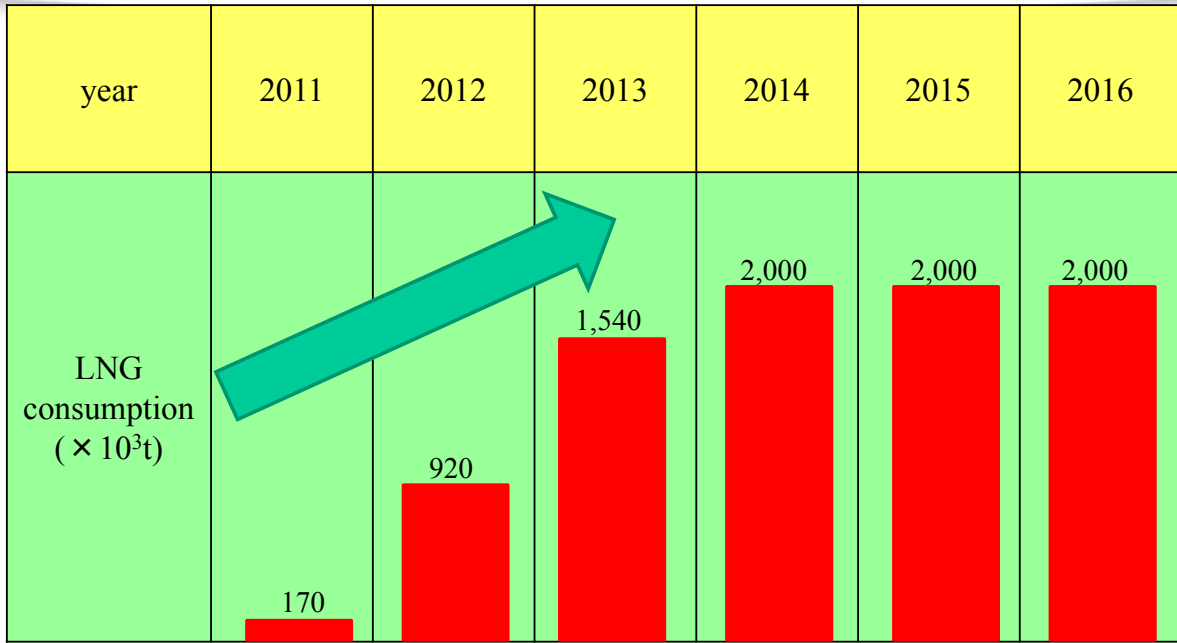


# LNG imports (Chubu Electric Power Co., Inc.)





## LNG consumption



## Natural Gas supply by tank truck





*Natural Gas supply by pipeline or tank truck  
for industry (Chubu Electric Power Co., Inc.)*

