

LNG MAP

Gas LNG Europe is one of the three columns of GIE Gas Infrastructure Europe - the European association of the Natural Gas Industry, the other columns being: GIE Gas Transmission Europe and GIE Gas Storage Europe. All data provided on this map is for information purposes and shall be treated as indicative only. Under no circumstances shall it be regarded as data intended for commercial use. All data relating to projects indicated on this map is based on publicly available information. More current information on LNG projects can be found at www.gie.eu/GIE-Investment-Database

GIE IS REPRESENTING 15 MEMBERS IN 19 COUNTRIES AND 1 OBSERVER

- #### MEMBERS
- BELGIUM:** FLUXYS, Dunkerque LNG, elengy
 - GREECE:** DESFA, FOSMAX
 - NETHERLANDS:** Gate terminal, GNL ITALIA
 - PORTUGAL:** REN, Atlântico
 - ITALY:** nationalgrid, Adriatic LNG
 - UNITED KINGDOM:** South Hook, Shannon LNG
 - POLAND:** PUNOCRO
 - IRELAND:** Shannon LNG

MAP LEGEND

- Blue circle: GIE Member Countries
- Green circle: Other Countries

- #### Import
- Poland, Świnoujście (Start-up 2014)
 - Croatia, Kik Island (Start-up 2016)
 - Algeria, Idku (Start-up 2015)
 - Russia, Shtokman (Start-up 2015)
 - UK, Teesside (Start-up 2007)
- #### Export
- Russia, Shtokman (Start-up 2015)
 - UK, Teesside (Start-up 2007)

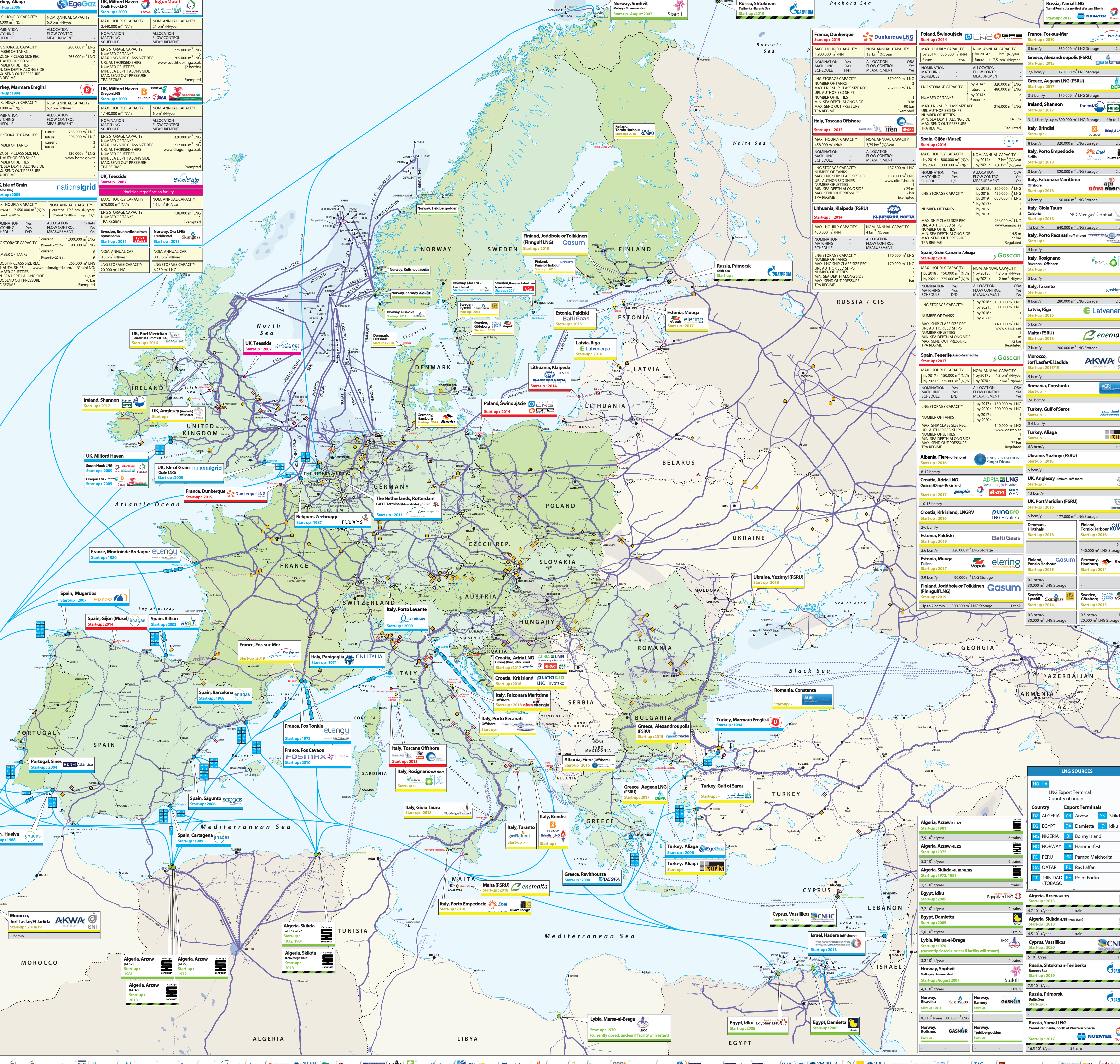
- #### Small Scale LNG
- Norway, Risavika (Start-up 2011)
 - Norway, Øra LNG (Start-up 2011)
 - Norway, Skarv (Start-up 2014)
 - Sweden, Lysekil (Start-up 2014)

- #### Gas storage facilities
- Under 24" (Acquirer)
 - 24" to 36" (Salt cavity - cavern)
 - 36" and over (Depleted field / Gas field on shore / offshore)
 - Other types (project)
 - Unknown (drilling platform)
- #### Transport by pipeline
- Under 24"
 - 24" to 36"
 - 36" and over
- #### Transport by tanker
- LNG route
 - LNG route project
- #### Gas Reserve areas
- Unknown
 - Gas storage facilities in non-GIE Member countries

LNG DATA LEGEND

Belgium, Zeebrugge (Start-up: 1987) FLUXYS	Location, name of LNG regasification plant (To Terminal Operator) Terminal start-up date
MAX. HOURLY CAPACITY (m ³ / h) / year	Maximum Hourly Capacity (at normal conditions)
NOM. ANNUAL CAPACITY (billion m ³ / year)	Nominal Annual Capacity (at normal conditions)
NATURAL GAS SCHEDULING INFORMATION	
NOMINATION SCHEDULE	Allocation OBA - BS - Pro Rata - Measurement
TECHNICAL INFORMATION	
LNG STORAGE CAPACITY (m ³ / LNG)	current / projected
NUMBER OF TANKS	
MAX. LNG SHIP CLASS SIZE REC. URL AUTHORIZED SHIPS	Maximum LNG ship class size receivable To web address: Authorised ships info
MIN. SEA DEPTH ALONGSIDE (m)	Minimum sea depth alongside
MAX. SEND OUT PRESSURE (bar)	Maximum send out pressure
TPA REGIME	Regulated / Exempted / Hybrid
OBA (Operating Balancing Account)	
All pairs of counterparties are allocated their matched quantity. The difference between the measured quantities and the sum of the allocated quantities is managed in an imbalance account between the operators.	
BS (Balancing Shipper)	
(N-1) pairs of counterparties are allocated their matched quantity. The N th pair is allocated the difference between the measured quantities and the sum of the (N-1) allocated quantities.	
Pro Rata	
Each pair of counterparties is allocated a ratio of the measured quantities that equals the weight of its matched quantity in the overall schedule.	
Mix	
Combination of the solution above, depending on situation.	

Spain, Barcelona (Start-up: 1988) enagas	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,950,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 15,000 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Spain, Huelva (Start-up: 1988) enagas	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,350,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 11,800 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Spain, Cartagena (Start-up: 1988) enagas	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,350,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 11,800 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Spain, Bilbao (Start-up: 2007) BBO7	MAX. HOURLY CAPACITY (m ³ / h) / year: 800,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 7,000 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Spain, Sagunto (Start-up: 2007) sagogas	MAX. HOURLY CAPACITY (m ³ / h) / year: 600,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 5,000 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Spain, Magardos (Start-up: 2007) reganosa	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,600,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 12,600 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Italy, Panigaglia (Start-up: 1971) GNL ITALIA	MAX. HOURLY CAPACITY (m ³ / h) / year: 4,000,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 34,000 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Italy, Porto Levante (Start-up: 2009) Adriatic LNG	MAX. HOURLY CAPACITY (m ³ / h) / year: 2,100,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 18,000 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Portugal, Sines (Start-up: 2004) REN Atlântico	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,800,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 15,000 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
France, Fos Tonkin (Start-up: 1972) elengy	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,100,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 9,500 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
France, Fos Casauou (Start-up: 2010) FOSITAX LNG	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,100,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 9,500 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
France, Montoir de Bretagne (Start-up: 1980) elengy	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,600,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 13,500 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
UK, Teesside (Start-up: 2007) Teesside Regasification Facility	MAX. HOURLY CAPACITY (m ³ / h) / year: 2,650,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 22,800 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
UK, Milford Haven (Start-up: 2009) South Hook LNG	MAX. HOURLY CAPACITY (m ³ / h) / year: 700,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 6,000 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
UK, Isle of Grain (Start-up: 2005) nationalgrid	MAX. HOURLY CAPACITY (m ³ / h) / year: 2,650,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 22,800 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Turkey, Marmara Ereğli (Start-up: 1994) enagas	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,100,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 9,500 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
Turkey, Marmara Ereğli (Start-up: 2009) enagas	MAX. HOURLY CAPACITY (m ³ / h) / year: 1,100,000 NOM. ANNUAL CAPACITY (billion m ³ / year): 9,500 NOMINATION SCHEDULE: Allocation OBA REGIME: BS - Pro Rata - Measurement
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LNG SOURCES

Country	Export Terminals
ALGERIA	Arzew, Skikda
EGYPT	Damietta, Idku
NIGERIA	Bonny Island
NORWAY	Hammerfest
PERU	Pampa Melchorita
QATAR	Ras Laffan
TRINIDAD	Point Fortin
ALGERIA	Arzew, Skikda
EGYPT	Damietta, Idku
NIGERIA	Bonny Island
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