gle Gas LNG Europe

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LNG MAP

gle Gas LNG Europe is one of the three columns of gle. Gas Infrastructure Europe - the European association of the Natural Gas Industry, the other columns being :
gle Gas Transmission Europe and gle 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/GLE-Investment-Database

GLE IS REPRESENTING 15 MEMBERS IN 9 COUNTRIES AND 1 OBSERVER

MEMBERS

BELGIUM: FLUXYS
GREECE: DESFA
NETHERLANDS: Gate terminal
PORTUGAL: REN Atlântico
UNITED KINGDOM: nationalgrid, South Hook
FRANCE: Dunkerque LNG, elengy, FOSMAX LNG, SNAM, GNL ITALIA, Adriatic LNG
ITALY: enagas, BBG, reganosa
SPAIN: GAS System
POLAND: GAZ-System

OBSERVERS

IRELAND: Shannon LNG

MAP LEGEND

the indication of interconnection points is consistent with all other GIE grid maps

GIE Member Countries | Other Countries

Import
- Belgium, Zeebrugge — Start-up : 1987 — FLUXYS — LNG Import Terminal *Operational*
- Poland, Świnoujście — Start-up : 2014 — GAZ-SYSTEM — LNG Import Terminal *Under construction and/or included within Mandatory Planning*
- Croatia, Krk island — Start-up : 2016 — LNG Hrvatska — LNG Import Terminal *Under study or Proposed*
- Algeria, Idku — Start-up : 2005 — Egyptian LNG — LNG Export Terminal *Operational*

Export
- Russia, Shtokman — Teriberka - Barents Sea — GAZPROM — LNG Export Terminal *Project*

Other
- UK, Teesside — Start-up : 2007 — excelerate — Dockside regasification facility

Small Scale LNG
- Norway, Risavika — Start-up : 2011 — LNG Liquefaction plant *Operational*
- Norway, Dra LNG — Start-up : 2011 — Import Terminal *Operational*
- Norway, - — Start-up : - — LNG Liquefaction plant *Under construction or planned*
- Sweden, Lysekil — Start-up : 2014 — Import Terminal *Under construction or planned*

- Cross-border interconnection point
- Cross-border interconnection point - *Under construction or Planned*
- Cross-border interconnection point with non-EU third country (import/project)
- Intra-country or intra balancing zone point
- Non-EU Cross-border interconnection point

Gas storage facilities
- LNG Peak Shaving
- Acquifer
- Salt cavity - cavern
- Depleted field / Gas field on shore / offshore
- Other types
- project
- Unknown
- Gas storage facilities in non-GIE Member countries

Transport by pipeline
- under 24"
- 24" to 36"
- 36" and over
- project

Transport by tanker
- LNG route
- LNG route project

Gas Reserve areas
- drilling platform

LNG DATA LEGEND

Belgium, Zeebrugge — Start-up : 1987 — FLUXYS
Location, name of LNG regasification plant
TO (Terminal Operator)
Terminal start-up date

GENERAL INFORMATION (N) = Normal = at 0 ° / pressure 1 bar

MAX. HOURLY CAPACITY - m^3 (N)/ h	Maximum Hourly Capacity cubic meter at normal conditions	m^3 (N) / hour
NOM. ANNUAL CAPACITY - bm^3 (N) / year	Nominal Annual Capacity billion cubic meter at normal conditions	billion m^3 (N) / year

NATURAL GAS SCHEDULING INFORMATION

NOMINATION -	Nomination	Yes or No
MATCHING -	Matching	Yes or No
SCHEDULE -	Schedule H/H : hourly/hourly or D/D : daily/daily or H/D	
ALLOCATION -	Allocation OBA - BS - Pro Rata - Mix	
FLOW CONTROL -	Flow control	Yes or No
MEASUREMENT -	Measurement	Yes or No

TECHNICAL INFORMATION

LNG STORAGE CAPACITY	current / projected	m^3 LNG
NUMBER OF TANKS		-
MAX. LNG SHIP CLASS SIZE REC.	Max. LNG ship class size receivable	m^3 LNG
URL AUTHORISED SHIPS	TO web address : Authorised ships info	-
NUMBER OF JETTIES		-
MIN. SEA DEPTH ALONG SIDE	Minimum sea depth along side	m
MAX. SEND OUT PRESSURE	Maximum send out pressure	bar
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 Nth 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.

polaris — scale = 1 : 8.000.000 — Version : July 2013

Belgium, Zeebrugge — Start-up : 1987 — FLUXYS
MAX. HOURLY CAPACITY: current : 1.700.000 m^3 (N)/h; by 2015 : 2.150.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 9 bm^3 (N)/year; by 2015 : 12 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE H/H, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 380.000 m^3 LNG; by 2017 : 560.000 m^3 LNG
NUMBER OF TANKS: current : 4; by 2017 : 5
MAX. SHIP CLASS SIZE REC. 266.000 m^3 LNG
URL AUTHORSED SHIPS www.fluxys.com
NUMBER OF JETTIES: current : 1; by 2015 : 2
MIN. SEA DEPTH ALONG SIDE 13 m
MAX. SEND OUT PRESSURE 80 bar
TPA REGIME Regulated

France, Montoir de Bretagne — Start-up : 1980 — elengy
MAX. HOURLY CAPACITY: current : 1.600.000 m^3 (N)/h; by 2018 –up to 2.650.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 10 bm^3(N)/year; by 2018 –up to 16,5 bm^3(N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 360.000 m^3 LNG; by 2018: up to 550.000 m^3 LNG
NUMBER OF TANKS: current : 3; by 2018: 4
MAX. LNG SHIP CLASS SIZE REC. 265.000 m^3 LNG
URL AUTHORSED SHIPS www.elengy.com
NUMBER OF JETTIES 2
MIN. SEA DEPTH ALONG SIDE 13 m
MAX. SEND OUT PRESSURE 80 bar
TPA REGIME Regulated

France, Fos Tonkin — Start-up : 1972 — elengy
MAX. HOURLY CAPACITY: current : 1.150.000 m^3 (N)/h; by 2019 –up to 1.450.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 5,5 bm^3(N)/year; by 2019: up to 7,0 bm^3(N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION Pro Rata, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 150.000 m^3 LNG; by 2019: up to 240.000 m^3 LNG
NUMBER OF TANKS 3
MAX. LNG SHIP CLASS SIZE REC. 75.000 m^3 LNG
URL AUTHORSED SHIPS www.elengy.com
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 12 m
MAX. SEND OUT PRESSURE 67,7 bar
TPA REGIME Regulated

France, Fos Cavaou — Start-up : 2010 — FOSMAX LNG
MAX. HOURLY CAPACITY: current : 1.160.000 m^3 (N)/h; by 2020 –up to 2.320.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 8,25 bm^3(N)/year; by 2020 –up to 16,5 bm^3(N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 330.000 m^3 LNG; by 2020: up to 550.000 m^3 LNG
NUMBER OF TANKS: current : 3; by 2020: up to 5
MAX. LNG SHIP CLASS SIZE REC. 270.000 m^3 LNG
URL AUTHORSED SHIPS www.fosmax-lng.com
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 15 m
MAX. SEND OUT PRESSURE 90 bar
TPA REGIME Regulated

Greece, Revithoussa — Start-up : 2000 — DESFA
MAX. HOURLY CAPACITY: current : 735.000 m^3 (N)/h; by 2016: 970.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 5,3 bm^3(N)/year; by 2016: 7,3 bm^3(N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION Pro Rata, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 130.000 m^3 LNG; by 2016: 225.000 m^3 LNG
NUMBER OF TANKS: current : 2; by 2016: 3
MAX. LNG SHIP CLASS SIZE current : 135.000 m^3 LNG (*); by 2016: 260.000 m^3 LNG
URL AUTHORSED SHIPS www.desfa.gr
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 12,7 m
MAX. SEND OUT PRESSURE 64 bar
(*) bigger ships may be accomodated, under specific conditions

Israel, Hadera (FSRU) — Start-up : 2013 — נתיבי הגז הטבעי לישראל בע"מ / ISRAEL NATURAL GAS LINES LTD
MAX. HOURLY CAPACITY: - m^3 (N)/h
NOM. ANNUAL CAPACITY: 2,5 bm^3 (N)/year
NOMINATION -, MATCHING -, SCHEDULE -, ALLOCATION -, FLOW CONTROL -, MEASUREMENT -
LNG STORAGE CAPACITY - m^3 LNG
NUMBER OF TANKS -
MAX. SHIP CLASS SIZE REC. -
URL AUTHORSED SHIPS -
NUMBER OF JETTIES -
MIN. SEA DEPTH ALONG SIDE -
MAX. SEND OUT PRESSURE -
TPA REGIME -

Italy, Panigaglia — Start-up : 1971 — GNL ITALIA
MAX. HOURLY CAPACITY: current : 427.000 m^3 (N)/h; by 2022 : 915.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 3,4 bm^3(N)/year; by 2022: 8 bm^3(N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION Pro Rata, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 100.000 m^3 LNG; by 2022: 240.000 m^3 LNG
NUMBER OF TANKS: current : 2; by 2022: 2
MAX. LNG SHIP CLASS SIZE current : 70.000 m^3 LNG; by 2022: 140.000 m^3 LNG
URL AUTHORSED SHIPS www.gnlitalia.it
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE current : 10 m; by 2022: 14 m
MAX. SEND OUT PRESSURE 70 bar
TPA REGIME Regulated

Italy, Porto Levante — Start-up : 2009 — Adriatic LNG
MAX. HOURLY CAPACITY: 1.100.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: 7,56 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION Pro Rata, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY 250.000 m^3 LNG
NUMBER OF TANKS 4
MAX. LNG SHIP CLASS SIZE REC. 152.000 m^3 LNG
URL AUTHORSED SHIPS www.adriaticlng.com
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 27 m
MAX. SEND OUT PRESSURE 70 bar
TPA REGIME Hybrid

Portugal, Sines — Start-up : 2004 — REN Atlântico
MAX. HOURLY CAPACITY: 1.350.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: 7,9 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY 390.000 m^3 LNG
NUMBER OF TANKS 3
MAX. SHIP CLASS SIZE REC. 216.000 m^3 LNG
URL AUTHORSED SHIPS www.shippingatlantico.com
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 13,5 m
MAX. SEND OUT PRESSURE 84 bar
TPA REGIME Regulated

Spain, Barcelona — Start-up : 1968 — enagas
MAX. HOURLY CAPACITY: 1.950.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: 17,1 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 840.000 m^3 LNG; future : 680.000 m^3 LNG
NUMBER OF TANKS: current : 8; future : 5
MAX. SHIP CLASS SIZE REC. 266.000 m^3 LNG
URL AUTHORSED SHIPS www.enagas.es
NUMBER OF JETTIES (jetty 1 : 80.000 / jetty 2 : 140.000) 2
MIN. SEA DEPTH ALONG SIDE 15 m
MAX. SEND OUT PRESSURE 72 bar
TPA REGIME Regulated

Spain, Huelva — Start-up : 1988 — enagas
MAX. HOURLY CAPACITY: 1.350.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: 11,8 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY 619.500 m^3 LNG
NUMBER OF TANKS 5
MAX. SHIP CLASS SIZE REC. 173.400 m^3 LNG
URL AUTHORSED SHIPS www.enagas.es
NUMBER OF JETTIES 2
MIN. SEA DEPTH ALONG SIDE 12,5 m
MAX. SEND OUT PRESSURE 72 bar
TPA REGIME Regulated

Spain, Cartagena — Start-up : 1989 — enagas
MAX. HOURLY CAPACITY: current : 1.350.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 11,8 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY 587.000 m^3 LNG
NUMBER OF TANKS 5
MAX. SHIP CLASS SIZE REC. 266.000 m^3 LNG
URL AUTHORSED SHIPS www.enagas.es
NUMBER OF JETTIES 2
MIN. SEA DEPTH ALONG SIDE 15 m
MAX. SEND OUT PRESSURE 72 bar
TPA REGIME Regulated

Spain, Bilbao — Start-up : 2003 — BBG
MAX. HOURLY CAPACITY: current : 800.000 m^3 (N)/h; by 2015 : 1.000.000 m^3 (N)/h; by 2018 : 1.200.000 m^3 (N)/h; by 2019 : 1.400.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 7 bm^3 (N)/year; by 2015: 8,8 bm^3 (N)/year; by 2018: 10,5 bm^3 (N)/year; by 2019: 12,2 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 300.000 m^3 LNG; by 2014 : 450.000 m^3 LNG; by 2018 : 600.000 m^3 LNG
NUMBER OF TANKS: current : 2; by 2014 : 3; by 2018 : 4
MAX. SHIP CLASS SIZE REC. 270.000 m^3 LNG
URL AUTHORSED SHIPS www.bahiasdebizkaia.com
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 20 m
MAX. SEND OUT PRESSURE 72 bar
TPA REGIME Regulated

Spain, Sagunto — Start-up : 2006 — saggas
MAX. HOURLY CAPACITY: current : 1.000.000 m^3 (N)/h; by 2014 : 1.200.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 8,8 bm^3 (N)/year; by 2014: 10,5 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY 600.000 m^3 LNG
NUMBER OF TANKS 4
MAX. SHIP CLASS SIZE REC. 265.000 m^3 LNG
URL AUTHORSED SHIPS www.saggas.es
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 72 bar
MAX. SEND OUT PRESSURE Regulated
TPA REGIME

Spain, Mugardos — Start-up : 2007 — reganosa
MAX. HOURLY CAPACITY 412.800 m^3 (N)/h
NOM. ANNUAL CAPACITY 3,6 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY 300.000 m^3 LNG
NUMBER OF TANKS 2
MAX. SHIP CLASS SIZE REC. 216.000 m^3 LNG
URL AUTHORSED SHIPS www.reganosa.com
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 15 m
MAX. SEND OUT PRESSURE 80 bar
TPA REGIME Regulated

The Netherlands, Rotterdam — Gate terminal — Gasunie, Vopak
MAX. HOURLY CAPACITY: current : 1.600.000 m^3 (N)/h; by 2016 : 2.200.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: current : 12 bm^3 (N)/year; by 2016 : 16 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE H/H, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 540.000 m^3 LNG; by 2016: 720.000 m^3 LNG
NUMBER OF TANKS: current : 3; by 2016: 4
MAX. SHIP CLASS SIZE REC. 266.000 m^3 LNG
URL AUTHORSED SHIPS www.gate.nl
NUMBER OF JETTIES 2
MIN. SEA DEPTH ALONG SIDE 14,5 m
MAX. SEND OUT PRESSURE 80 bar
TPA REGIME Exempted

Turkey, Aliaga — Start-up : 2006 — EgeGaz
MAX. HOURLY CAPACITY 680.000 m^3 (N)/h
NOM. ANNUAL CAPACITY 6,0 bm^3 (N)/year
NOMINATION -, MATCHING -, SCHEDULE -, ALLOCATION -, FLOW CONTROL -, MEASUREMENT -
LNG STORAGE CAPACITY 280.000 m^3 LNG
NUMBER OF TANKS 2
MAX. SHIP CLASS SIZE REC. 265.000 m^3 LNG
URL AUTHORSED SHIPS www.southhookhlng.co.uk
NUMBER OF JETTIES 1 (2 berths)
MIN. SEA DEPTH ALONG SIDE -
MAX. SEND OUT PRESSURE -
TPA REGIME Exempted

Turkey, Marmara Ereglisi — Start-up : 1994 — BOTAS
MAX. HOURLY CAPACITY 700.000 m^3 (N)/h
NOM. ANNUAL CAPACITY 6,2 bm^3 (N)/year
NOMINATION -, MATCHING -, SCHEDULE -, ALLOCATION -, FLOW CONTROL -, MEASUREMENT -
LNG STORAGE CAPACITY: current : 255.000 m^3 LNG; future : 395.000 m^3 LNG
NUMBER OF TANKS: current : 3; future : 4
MAX. SHIP CLASS SIZE REC. 130.000 m^3 LNG
URL AUTHORSED SHIPS www.botas.gov.tr
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE -
MAX. SEND OUT PRESSURE -
TPA REGIME -

UK, Isle of Grain (Grain LNG) — Start-up : 2005 — nationalgrid
MAX. HOURLY CAPACITY: current : 2.650.000 m^3 (N)/h; Phase 4 by 2016+ : -
NOM. ANNUAL CAPACITY: current :19,5 bm^3(N)/year; Phase 4 by 2016+ : up to 27,5
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION Pro Rata, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: current : 1.000.000 m^3 LNG; Phase 4 by 2016+ : 1.190.000 m^3 LNG
NUMBER OF TANKS: current : 8; Phase 4 by 2016+ : 9
MAX. SHIP CLASS SIZE REC. 265.000 m^3 LNG
URL AUTH. SHIPS www.nationalgrid.com/uk/GrainLNG/
NUMBER OF JETTIES 2
MIN. SEA DEPTH ALONG SIDE 12,5 m
MAX. SEND OUT PRESSURE 70 bar
TPA REGIME Exempted

UK, Milford Haven — South Hook LNG — Start-up : 2009 — ExxonMobil, TOTAL, Qatar Petroleum, SOUTH HOOK
MAX. HOURLY CAPACITY 2.440.000 m^3 (N)/h
NOM. ANNUAL CAPACITY 21 bm^3 (N)/year
NOMINATION -, MATCHING -, SCHEDULE -, ALLOCATION -, FLOW CONTROL -, MEASUREMENT -
LNG STORAGE CAPACITY 775.000 m^3 LNG
NUMBER OF TANKS 4
MAX. LNG SHIP CLASS SIZE REC. 265.000 m^3 LNG
URL AUTHORSED SHIPS www.southhookhlng.co.uk
NUMBER OF JETTIES 1 (2 berths)
MIN. SEA DEPTH ALONG SIDE -
MAX. SEND OUT PRESSURE -
TPA REGIME Exempted

UK, Milford Haven — Dragon LNG — Start-up : 2009 — PETRONAS, BG GROUP, IAS, DRAGON LNG
MAX. HOURLY CAPACITY 1.140.000 m^3 (N)/h
NOM. ANNUAL CAPACITY 6 bm^3 (N)/year
NOMINATION -, MATCHING -, SCHEDULE -, ALLOCATION -, FLOW CONTROL -, MEASUREMENT -
LNG STORAGE CAPACITY 320.000 m^3 LNG
NUMBER OF TANKS 3
MAX. LNG SHIP CLASS SIZE REC. 217.000 m^3 LNG
URL AUTHORSED SHIPS www.dragonlng.co.uk
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE -
MAX. SEND OUT PRESSURE -
TPA REGIME Exempted

UK, Teesside — Start-up : 2007 — excelerate

dockside regasification facility
MAX. HOURLY CAPACITY 670.000 m^3 (N)/h
NOM. ANNUAL CAPACITY 4,8 bm^3 (N)/year
LNG STORAGE CAPACITY 138.000 m^3 LNG
NUMBER OF TANKS 1
TPA REGIME Exempted

Sweden, Brunnsvikshoftnen — Nynäshamn — Start-up : 2011 — IGAS
NOM. ANNUAL CAP. 0,5 bm^3 (N)/year
LNG STORAGE CAPACITY 20.000 m^3 LNG

Norway, Dra LNG — Fredrikstad — Start-up : 2011 — Skangass
NOM. ANNUAL CAP. 0,15 bm^3 (N)/year
LNG STORAGE CAPACITY 6.250 m^3 LNG

Norway, Snøhvit — Melkøya / Hammerfest — Start-up : August 2007 — Statoil

Russia, Shtokman — Teriberka - Barents Sea — Start-up : 2019 — GAZPROM

France, Dunkerque — Start-up : 2015 — Dunkerque LNG
MAX. HOURLY CAPACITY 1.900.000 m^3 (N)/h
NOM. ANNUAL CAPACITY 13 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE H/H, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY 570.000 m^3 LNG
NUMBER OF TANKS 3
MAX. LNG SHIP CLASS SIZE REC. 267.000 m^3 LNG
URL AUTHORSED SHIPS -
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 19 m
MAX. SEND OUT PRESSURE 90 bar
TPA REGIME Exempted

Italy, Toscana Offshore — Start-up : 2013 — Golar LNG, Iren, Snam
MAX. HOURLY CAPACITY 458.000 m^3 (N)/h
NOM. ANNUAL CAPACITY 3,75 bm^3 (N)/year
NOMINATION -, MATCHING -, SCHEDULE -, ALLOCATION -, FLOW CONTROL -, MEASUREMENT -
LNG STORAGE CAPACITY 137.500 m^3 LNG
NUMBER OF TANKS 1
MAX. LNG SHIP CLASS SIZE REC. 138.000 m^3 LNG
URL AUTHORSED SHIPS www.oltoffshore.it
NUMBER OF JETTIES >25 m
MIN. SEA DEPTH ALONG SIDE - bar
MAX. SEND OUT PRESSURE
TPA REGIME Exempted

Lithuania, Klaipeda (FSRU) — Start-up : 2014 — KN, KLAIPĖDOS NAFTA
MAX. HOURLY CAPACITY 450.000 m^3 (N)/h
NOM. ANNUAL CAPACITY 4 bm^3 (N)/year
NOMINATION -, MATCHING -, SCHEDULE -, ALLOCATION -, FLOW CONTROL -, MEASUREMENT -
LNG STORAGE CAPACITY 170.000 m^3 LNG
NUMBER OF TANKS 1
MAX. LNG SHIP CLASS SIZE REC. 170.000 m^3 LNG
URL AUTHORSED SHIPS -
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE -
MAX. SEND OUT PRESSURE - bar
TPA REGIME

Finland, Tornio Harbour — Start-up : 2016 — OUTO KUMPU

Finland, Joddbole or Tolkkinen (Finngulf LNG) — Start-up : 2019 — Gasum

Finland, Pansio Harbour — Start-up : 2015 — Gasum

Estonia, Paldiski — Balti Gaas — Start-up : 2015

Estonia, Muuga — Tallinn — Start-up : 2017 — Vopak, elering

Russia, Primorsk — Baltic Sea — Start-up : - — GAZPROM

Poland, Świnoujście — Start-up : 2014 — GAZ-SYSTEM
MAX. HOURLY CAPACITY: by 2014 : 656.000 m^3 (N)/h; future : tba
NOM. ANNUAL CAPACITY: by 2014 : 5 bm^3 (N)/year; future : 7,5 bm^3 (N)/year
NOMINATION -, MATCHING -, SCHEDULE -, ALLOCATION -, FLOW CONTROL -, MEASUREMENT -
LNG STORAGE CAPACITY: by 2014 : 320.000 m^3 LNG; future : 480.000 m^3 LNG
NUMBER OF TANKS: by 2014 : 2; future : 3
MAX. LNG SHIP CLASS SIZE REC. 216.000 m^3 LNG
URL AUTHORSED SHIPS -
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 14,5 m
MAX. SEND OUT PRESSURE -
TPA REGIME Regulated

Spain, Gijón (Musel) — Start-up : 2014 — enagas
MAX. HOURLY CAPACITY: by 2014 : 800.000 m^3 (N)/h; by 2021 : 1.000.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: by 2014 : 7 bm^3 (N)/year; by 2021 : 8,8 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: by 2013 : 300.000 m^3 LNG; by 2016 : 450.000 m^3 LNG; by 2019 : 600.000 m^3 LNG
NUMBER OF TANKS: by 2013 : 3; by 2016 : 4; by 2019 : 4
MAX. SHIP CLASS SIZE REC. 266.000 m^3 LNG
URL AUTHORSED SHIPS www.enagas.es
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE 14,5 m
MAX. SEND OUT PRESSURE 72 bar
TPA REGIME Regulated

Spain, Gran Canaria — Arinaga — Start-up : 2018 — Gascan
MAX. HOURLY CAPACITY: by 2018 : 150.000 m^3 (N)/h; by 2021 : 225.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: by 2018 : 1,3 bm^3 (N)/year; by 2021 : 2 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: by 2018 : 150.000 m^3 LNG; by 2021 : 300.000 m^3 LNG
NUMBER OF TANKS: by 2018 : 1; by 2021 : 2
MAX. SHIP CLASS SIZE REC. 140.000 m^3 LNG
URL AUTHORSED SHIPS www.gascan.es
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE - m
MAX. SEND OUT PRESSURE 72 bar
TPA REGIME Regulated

Spain, Tenerife — Arico-Granadilla — Start-up : 2017 — Gascan
MAX. HOURLY CAPACITY: by 2017 : 150.000 m^3 (N)/h; by 2020 : 225.000 m^3 (N)/h
NOM. ANNUAL CAPACITY: by 2017 : 1,3 bm^3 (N)/year; by 2020 : 2 bm^3 (N)/year
NOMINATION Yes, MATCHING Yes, SCHEDULE D/D, ALLOCATION OBA, FLOW CONTROL Yes, MEASUREMENT Yes
LNG STORAGE CAPACITY: by 2017 : 150.000 m^3 LNG; by 2020 : 300.000 m^3 LNG
NUMBER OF TANKS: by 2017 : 1; by 2020 : 2
MAX. SHIP CLASS SIZE REC. 140.000 m^3 LNG
URL AUTHORSED SHIPS www.gascan.es
NUMBER OF JETTIES 1
MIN. SEA DEPTH ALONG SIDE - m
MAX. SEND OUT PRESSURE 72 bar
TPA REGIME Regulated

Russia, Yamal LNG — Yamal Peninsula, north of Western Siberia — Start-up : 2017 — NOVATEK, TOTAL

France, Fos-sur-Mer — Start-up : 2019 — Fos Faster
8 bcm/y — 360.000 m^3 LNG Storage — 2 tanks

Greece, Alexandroupolis (FSRU) — Start-up : 2015 — gastrade
2,6 bcm/y — 170.000 m^3 LNG Storage

Greece, Aegean LNG (FSRU) — Start-up : 2017 — DEPA
3-5 bcm/y — 170.000 m^3 LNG Storage

Ireland, Shannon — Start-up : 2017 — Shannon LNG, HESS
3-4,1 bcm/y — Up to 800.000 m^3 LNG Storage — Up to 4 tanks

Italy, Brindisi — Start-up : - — BG GROUP, Brindisi LNG
8 bcm/y — 320.000 m^3 LNG Storage — 2 tanks

Italy, Porto Empedocle — Sicilia — Start-up : 2018 — Enel, Nuove Energie
8 bcm/y — 320.000 m^3 LNG Storage — 2 tanks

Italy, Falconara Marittima — Offshore — Start-up : 2018 — api nova energia
4 bcm/y — 150.000 m^3 LNG Storage

Italy, Gioia Tauro — Calabria — Start-up : 2018 — LNG Medgas Terminal
12 bcm/y — 640.000 m^3 LNG Storage — 4 tanks

Italy, Porto Recanati (off-shore) — Start-up : - — TRIGNO ENERGY
5 bcm/y

Italy, Rosignano — Ravenna - Offshore — Start-up : - — EDISON, Golar LNG
8 bcm/y

Italy, Taranto — Start-up : - — gasNatural
8 bcm/y — 280.000 m^3 LNG Storage — 2 tanks

Latvia, Riga — Start-up : 2016 — Latvenergo
5 bcm/y — 140.000 m^3 LNG Storage — 1 tank

Malta (FSRU) — Start-up : 2018 — enemalta
2 bcm/y — 200.000 m^3 LNG Storage

Morocco, Jorf Lasfar/El Jadida — Start-up : 2018/19 — AKWA, SNI
5 bcm/y

Romania, Constanta — Start-up : - — ACR
2-8 bcm/y

Turkey, Gulf of Saros — Start-up : - — Botas, Qatar Petroleum
5-6 bcm/y

Turkey, Aliaga — Start-up : - — EGEGAZ, KOLIN
6,3 bcm/y — 4 tanks

Ukraine, Yuzhnyi (FSRU) — Start-up : 2018
5 bcm/y

UK, Anglesey (Amlwch) (off-shore) — Start-up : - — Cadent
13 bcm/y

UK, PortMeridian (FSRU) — Start-up : 2016 — HÖEGH LNG
5 bcm/y — 177.000 m^3 LNG Storage

Denmark, Hirtshals — Start-up : 2018
- — 2 tanks

Finland, Tornio Harbour KUMPU — Start-up : 2016
- — 140.000 m^3 LNG Storage

Finland, Pansio Harbour — Start-up : 2015
- — -

Germany, Hamburg — Start-up : 2014 — Bomin
- — -

Sweden, Lysekil — Start-up : 2014 — Skangass
0,3 bcm/y — 30.000 m^3 LNG Storage

Sweden, Göteborg — Start-up : 2015 — Vopak
0,3 bcm/y — 20.000 m^3 LNG Storage — 1 tank

Albania, Fiere (off-shore) — Start-up : 2016 — ENERGIA EALCHONE Gruppo Falcione
8-12 bcm/y

Croatia, Adria LNG — Omišalj (Dina) - Krk island — Start-up : 2017 — ADRIA LNG, Novo energija Hrvatska, geoplin, e-on, MOL, DMV
10-15 bcm/y

Croatia, Krk island, LNGRV — Start-up : 2016 — LNG Hrvatska, punacro
2-6 bcm/y

Estonia, Paldiski — Start-up : 2015 — Balti Gaas
2,6 bcm/y — 320.000 m^3 LNG Storage

Estonia, Muuga — Tallinn — Start-up : 2017 — Vopak, elering
2,9 bcm/y — 90.000 m^3 LNG Storage

Finland, Joddbole or Tolkkinen (Finngulf LNG) — Start-up : 2019 — Gasum
Up to 2 bcm/y — 300.000 m^3 LNG Storage — 1 tank

Greece, Alexandroupolis (FSRU) — Start-up : 2015 — gastrade
2,6 bcm/y — 170.000 m^3 LNG Storage

Greece, Aegean LNG (FSRU) — Start-up : 2017 — DEPA
3-5 bcm/y — 170.000 m^3 LNG Storage

**Ireland,