

LNG MAP 2018

EXISTING & PLANNED INFRASTRUCTURE

gie's Gas LNG Europe is one of the three pillars of gie's Gas Infrastructure Europe - the European association of the Natural Gas Industry, the other columns being: gie's Gas Transmission Europe and gie's 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 a data intended for commercial use.

All data relating to projects indicated on this map is based on publicly available information.

Data represents the status of 1 October 2017.

More information on LNG data can be found on the AISI website at aisi.eu

GIS IS REPRESENTING 16 MEMBERS IN 5 COUNTRIES AND 2 OBSERVERS

MEMBERS

BELOW: FLUXYS, DESFA, RENM Atlántico, ENAGAS, SAGGAS, FOSMAX LNG, GATE, NATIONAL GRID, REGANOS, GASTRACADE, SHANNON LNG, GASTRACADE

OBSERVERS

IRELAND: SHANNON LNG, GREECE: GASTRACADE

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

GIE Member Countries

Other Countries

LNG TERMINAL STATUS AND TYPE

Import

- Belgium, Zeebrugge (Operational)
- Spain, Tenerife (Arco-Granadilla) (Under construction)
- Estonia, Mauga (Under study or Proposed)
- Algeria, Arzew-Bethoua GL 12 (LNG Export Terminal)
- Russia, Ust-Luga, Baltic Sea (LNG Export Terminal)

Export

- France, Fos-Cavaou (Operational)
- Spain, Sagunto (Operational)
- Italy, Porto Levante (Operational)
- Spain, Gijón (Operational)
- Turkey, Alapa (Operational)
- Italy, Porto Levante (Operational)
- Spain, Sagunto (Operational)
- Turkey, Alapa (Operational)

Small Scale LNG

Import

- Denmark, Esbjerg (Operational)
- Denmark, Skovde (Operational)
- Denmark, Skovde (Operational)
- Denmark, Skovde (Operational)

Export

- Denmark, Esbjerg (Operational)
- Denmark, Skovde (Operational)
- Denmark, Skovde (Operational)
- Denmark, Skovde (Operational)

Cross-border / Interconnection Points

- Under construction or Planned
- Under construction or Planned
- Under construction or Planned
- Under construction or Planned

Gas storage facilities

- Acquirer
- Salt cavity - cavern
- Depleted field / Gas field
- Other types

Transport by pipeline

- under 24"
- 24" to 36"
- 36" and over

Transport by tanker

- indicative LNG route

Gas Reserve areas

- gas field
- drilling platform

LNG DATA LEGEND

Location, name of LNG regasification plant

Terminal start-up date

LNG System Operator website and logo

GENERAL INFORMATION

DN = Normal = at 0° / pressure 1 bar

Maximum Hourly Capacity m³/h

Nominal Annual Capacity billion m³/year

TECHNICAL INFORMATION

LNG STORAGE CAPACITY m³

NUMBER OF TANKS

MAX. SHIP CLASS SIZE RECEIVABLE m

MINIMUM SEA DEPTH ALONGSIDE m

MAXIMUM SEND OUT PRESSURE TPA REGIME

Regulated / Empty / Hired

FDI FOR EXPANSION PLANS

Final Investment Decision taken

Final Investment Decision not taken

PROJECTS OF COMMON INTEREST (PCI)

Project part of European Commission 3rd PCI list

scale = 1:8,000,000 Version: December 2017

THE CANARY ISLANDS

Tenerife (Arco-Granadilla) Start-up: 2012

Gran Canaria (Arinaga) Start-up: 2012

Spain, Tenerife (Arco-Granadilla) LNG terminal

Spain, Gran Canaria (Arinaga) LNG terminal

Spain, Tenerife (Arco-Granadilla) LNG terminal

Spain, Gran Canaria (Arinaga) LNG terminal

LARGE-SCALE / OPERATIONAL

Belgium, Zeebrugge LNG Terminal

Start-up: 1997

MAXIMUM HOURLY CAPACITY: 1,700,000 m³/h

NOMINAL ANNUAL CAPACITY: 6,000 billion m³/year

LNG STORAGE CAPACITY: 1,300,000 m³

NUMBER OF TANKS: 13

MAX. SHIP CLASS SIZE RECEIVABLE: 24,000 m³

MINIMUM SEA DEPTH ALONGSIDE: 13 m

MAXIMUM SEND OUT PRESSURE: 72 bar

REGIME: Regulated

France, Dunkerque LNG Terminal

Start-up: 2016

MAXIMUM HOURLY CAPACITY: 1,000,000 m³/h

NOMINAL ANNUAL CAPACITY: 3,500 billion m³/year

LNG STORAGE CAPACITY: 600,000 m³

NUMBER OF TANKS: 4

MAX. SHIP CLASS SIZE RECEIVABLE: 24,000 m³

MINIMUM SEA DEPTH ALONGSIDE: 12 m

MAXIMUM SEND OUT PRESSURE: 72 bar

REGIME: Regulated

France, Fos-Cavaou LNG Terminal

Start-up: 1972

MAXIMUM HOURLY CAPACITY: 1,000,000 m³/h

NOMINAL ANNUAL CAPACITY: 3,500 billion m³/year

LNG STORAGE CAPACITY: 600,000 m³

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France, Fos-Bethoua LNG Terminal

Start-up: 1972

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LARGE-SCALE / UNDER CONSTR.

Spain, Gran Canaria (Arinaga) LNG terminal

Start-up: 2012

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Spain, Sagunto LNG Terminal

Start-up: 2009

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KEY DATA

Annual regasification capacity of large-scale LNG import terminals per country

Country	operational	under constr.	planned
Belgium	9	0	6
Croatia	0	0	0
Estonia	0	0	0
France	34	1	11
Germany	0	0	0
Greece	5	2	6
Ireland	0	0	0
Italy	15	8	8
Latvia	0	0	0
Lithuania	0	0	0
Malta	0	0	0
Netherlands	12	4	4
Poland	0	0	0
Portugal	0	0	0
Spain	6	3	5
Sweden	0	0	0
UK	210	6	17
TOTAL EU 27	210	6	17
Algeria	17	0	0
Russia	17	0	0
Turkey	17	0	0
EU+EUROPE	227	6	17

Number of LNG import terminals per type

Category	operational	under constr.	planned
LARGE-SCALE	27	2	30
SMALL-SCALE	22	3	7
SMALL-SCALE / UNDER CONSTR.	5	1	13
TOTAL EUROPE	32	6	24

LARGE-SCALE / PLANNED

Algeria, Arzew-Bethoua GL 12

Start-up: 1978

MAXIMUM HOURLY CAPACITY: 1,000,000 m³/h

NOMINAL ANNUAL CAPACITY: 3,500 billion m³/year

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REGIME: Regulated

Algeria, Arzew-Bethoua GL 22

Start-up: 1978

MAXIMUM HOURLY CAPACITY: 1,000,000 m³/h

NOMINAL ANNUAL CAPACITY: 3,500 billion m³/year

LNG STORAGE CAPACITY: 600,000 m³

NUMBER OF TANKS: 4

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MINIMUM SEA DEPTH ALONGSIDE: 12 m

MAXIMUM SEND OUT PRESSURE: 72 bar

REGIME: Regulated

Algeria, Arzew-Bethoua GL 32

Start-up: 1978

MAXIMUM HOURLY CAPACITY: 1,000,000 m³/h

NOMINAL ANNUAL CAPACITY: 3,500 billion m³/year

LNG STORAGE CAPACITY: 600,000 m³

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