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LNG MAP

EXISTING & PLANNED INFRASTRUCTURE

2019

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

Data represents the status of April 2019.
More current information on LNG data can be found on the ALSI website at alsi.gie.eu

GIE IS REPRESENTING 15 MEMBERS IN 9 COUNTRIES AND 1 OBSERVER

MEMBERS

- BELGIUM: FLUXYS
- FRANCE: DUNKERQUE LNG, elengy
- GREECE: DESFA
- ITALY: Adriatic LNG, OLT, snam
- THE NETHERLANDS: Gate terminal
- POLAND: GAZ-SYSTEM, LNG
- PORTUGAL: REN Atlântico
- SPAIN: BBG, enagas, reganosa
- UNITED KINGDOM: nationalgrid, SOUTH HOOK

OBSERVERS

- GREECE: gastrade

MAP LEGEND

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 — Start-up : 1987 — FLUXYS — LNG Import Terminal *Operational*
- Spain, Tenerife (Arico-Granadilla) — Start-up : 2021 — Gascan — LNG Import Terminal *Under construction and/or included within Mandatory Planning*
- Estonia, Muuga (Tallinn) — Start-up : — LNG Import Terminal *Under study or Proposed*
- Trafigura Teesside (suspended) — TRAFIGURA — LNG Import Terminal *Suspended*

Export
- Algeria, Arzew-Bethioua (GL 1Z) — Start-up : 1978 — LNG Export Terminal *Operational*
- Russia, Ust Luga / Baltic LNG — Start-up : 2023 / 2024 — GALPHIM — LNG Export Terminal *Project*

Medium & Small Scale LNG

Import
- Norway, Øra LNG — Start-up : 2007 — Gasum — Import Terminal *Operational*
- Finland, Hamina LNG — Start-up : 2009 — LNG — Import Terminal *Under construction*
- Sweden, Gävle LNG — Start-up : — Gasum — Import Terminal *Planned*

Export
- Norway, Kollsnes 1 — Start-up : 2003 — GASNOR — LNG Liquefaction plant *Operational*
- Denmark, Frederikshavn — Start-up : — NORDIGAS — LNG Liquefaction plant *Planned*

Cross-border / interconnection points

- 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
- Acquifer
- Salt cavity - cavern
- Depleted field / Gas field onshore / offshore
- Other types
- Project

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

Transport by tanker
- Illustrative LNG route

Gas Reserve areas
- gas field
- drilling platform

LNG DATA DEGLEND

Belgium, Zeebrugge — Start-up : 1987 — FLUXYS — www.fluxys.com — *large-scale facility onshore*

Location, name of LNG regasification plant
Terminal start-up date
LSO (LNG System Operator) website and logo
Terminal type

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

- MAXIMUM HOURLY CAPACITY — m³(N) / h — Maximum Hourly Capacity, cubic meter at normal conditions
- NOMINAL ANNUAL CAPACITY — billion m³(N) / year — Nominal Annual Capacity, billion cubic meter at normal conditions

TECHNICAL INFORMATION

- LNG STORAGE CAPACITY — m³ LNG
- NUMBER OF TANKS
- MAXIMUM LNG SHIP CLASS SIZE RECEIVABLE — m³ LNG
- NUMBER OF JETTIES
- MINIMUM SEA DEPTH ALONGSIDE — m
- MAXIMUM SEND OUT PRESSURE — bar
- TPA REGIME — Regulated / Exempted / Hybrid

FID FOR EXPANSION PLANS

- FID — Final Investment Decision taken / Under Construction

PROJECTS OF COMMON INTEREST (PCI)

- PCI — Project part of European Commission 3rd PCI list

polaris — scale = 1 : 8.000.000 — Version : May 2019

LARGE-SCALE / OPERATIONAL

Belgium, Zeebrugge LNG Terminal — Start-up : 1987 — www.fluxys.com — *large-scale facility onshore* — FLUXYS

MAXIMUM HOURLY CAPACITY: 1.700.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 9,00 billion m3(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	current : 386.000 m³ LNG; by 2019 : 566.000 m³ LNG; current : 4; by 2019 : 5; 266.000 m³ LNG; 1; 13 m; 80 bar; Regulated

Egypt, Sumed (BW Singapore) — Start-up : 2013 — *Floating Storage and Regasification Unit*

MAXIMUM HOURLY CAPACITY: NONE	NOMINAL ANNUAL CAPACITY: 7,80 billion m³(N)/year
LNG STORAGE CAPACITY: TPA REGIME	170.000 m³ LNG; no TPA

France, Dunkerque LNG Terminal — Start-up : 2016 — www.dunkerquelng.com — *large-scale facility onshore* — DUNKERQUE LNG

MAXIMUM HOURLY CAPACITY: 1.900.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 13,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	600.000 m³ LNG; 3; 267.000 m³ LNG; 1; 19 m; 90 bar; Exempted

France, Fos-Tonkin LNG Terminal — Start-up : 1972 — www.elengy.com — *large-scale facility onshore* — elengy

MAXIMUM HOURLY CAPACITY: 620.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 5,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	80.000 m³ LNG; 1; 75.000 m³ LNG; 1; 12 m; 67,5 bar; Regulated

France, Montoir-de-Bretagne LNG Terminal — Start-up : 1980 — www.elengy.com — *large-scale facility onshore* — elengy

MAXIMUM HOURLY CAPACITY: current : 1.400.000 m³(N)/h; by 2022 : 2.000.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: current : 10,00 billion m³(N)/year; by 2022 : 12,50 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	current : 360.000 m³ LNG; by 2024 : 550.000 m³ LNG; current : 3; by 2024 : 4; 267.000 m³ LNG; 1; 13 m; 80 bar; Regulated

France, Fos Cavaou LNG Terminal — Start-up : 2010 — www.fosmax-lng.com — *large-scale facility onshore* — FOSMAX LNG

MAXIMUM HOURLY CAPACITY: current : 1.150.000 m³(N)/h; by 2022 : 1.550.000 m³(N)/h; by 2024 : *2.320.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: current : 8,25 billion m³(N)/year; by 2022 : 11,00 billion m³(N)/year; by 2024 : *16,5 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	current : 330.000 m³ LNG; by 2024 : *550.000 m³ LNG; current : 3; by 2024 : 4; 267.000 m³ LNG; 1; 15 m; 90 bar; Regulated

Remark : (*) up to

Greece, Revithoussa LNG Terminal — Start-up : 2000 — www.desfa.gr — *large-scale facility onshore* — DESFA

MAXIMUM HOURLY CAPACITY: 798.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 7,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	225.000 m³ LNG; 1; 260.000 m³ LNG; 1; 13,5 m; 64 bar; Regulated

Israel, Hadera Gateway LNG terminal — Start-up : 2013 — www.ingl.co.il — *Submerged Turret Loading Buoy* — דרום אגן לגז טבעי בים ISRAEL NATURAL GAS LINES LTD

MAXIMUM HOURLY CAPACITY:	NOMINAL ANNUAL CAPACITY: current : 4,80 billion m³(N)/year; future : 9,60 billion m³(N)/year
LNG STORAGE CAPACITY	current : 138.000 m³ LNG; future : 274.000 m³ LNG

Italy, Panigaglia LNG Terminal — Start-up : 1971 — www.snam.it — *large-scale facility onshore* — snam

MAXIMUM HOURLY CAPACITY: 427.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 3,40 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	100.000 m³ LNG; 2; 70.000 m³ LNG; 1; 10,0 m; 70 bar; Regulated

Italy, Porto Levante LNG Terminal — Start-up : 2009 — www.adriaticlng.com — *large-scale facility offshore* — Adriatic LNG

MAXIMUM HOURLY CAPACITY: 1.038.857 m³(N)/h	NOMINAL ANNUAL CAPACITY: 7,64 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	250.000 m³ LNG; 2; 180.000 m³ LNG; 1; 27 m; 70 bar; Hybrid

Italy, FSRU OLT Offshore LNG Toscana — Start-up : 2013 — www.oltoffshore.it — *Floating Storage and Regasification Unit* — OLT

MAXIMUM HOURLY CAPACITY: 592.465 m³(N)/h	NOMINAL ANNUAL CAPACITY: 3,75 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	137.500 m³ LNG; 1; *180.000 m³ LNG; 1; 113 m; 80 bar; Regulated

Remark : (*) new Panamax class

Lithuania, FSRU Independence — Start-up : 2014 — www.oil.lt — *Floating Storage and Regasification Unit* — KLAIPĖDOS NAFTA LNG TERMINAL

MAXIMUM HOURLY CAPACITY: 460.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 4,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: TPA REGIME	170.000 m³ LNG; 4; 160.000 m³ LNG; 1; 14,5 m; 54 bar; Regulated

Malta, Malta Delimara LNG terminal — Start-up : 2017 — www.enemalta.com.mt — *Floating Storage Unit + onshore Regasification* — ElectroGas Malta

MAXIMUM HOURLY CAPACITY: 89.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 0,70 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	125.000 m³ LNG; 5; -; -; -; -; -

The Netherlands, Gate terminal Rotterdam — Start-up : 2011 — www.gateterminal.com — *large-scale facility onshore* — Gate terminal

MAXIMUM HOURLY CAPACITY: current : 1.650.000 m³(N)/h; future : 2.200.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: current : 12,00 billion m³(N)/year; future : 16,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	current : 540.000 m³ LNG; future : 720.000 m³ LNG; current : 3; future : 4; 266.000 m³ LNG; 1; 14,5/10 m; 80 bar; Exempted

Poland, Swinoujscie LNG Terminal — Start-up : 2016 — www.polskilng.pl — *large-scale facility onshore* — PCI — GAZ-SYSTEM LNG

MAXIMUM HOURLY CAPACITY: current : 656.000 m³(N)/h; by 2021 : 984.000 m³(N)/h FID	NOMINAL ANNUAL CAPACITY: current : 5,00 billion m³(N)/year; by 2021 : 7,50 billion m³(N)/year FID
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	current : 320.000 m³ LNG; by 2023 : 500.000 m³ LNG FID; current : 2; by 2023 : 3 FID; 216.000 m³ LNG; 1; 14,5 m; 84 bar; Regulated

Portugal, Sines LNG Terminal — Start-up : 2004 — www.shippingatlantico.pen.pt — *large-scale facility onshore* — REN Atlântico

MAXIMUM HOURLY CAPACITY: 1.350.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 7,60 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	390.000 m³ LNG; 3; 216.000 m³ LNG; 1; 13,5 m; 84 bar; Regulated

Russia, FSRU Kaliningrad — Start-up : 2019 — www.gazprom.com/projects/kaliningrad-terminal/ — *Floating Storage and Regasification Unit* — GALPHIM

MAXIMUM HOURLY CAPACITY: 450.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 3,70 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: TPA REGIME	174.000 m³ LNG; -; -; -; Regulated

Remark : (*) estimate

Spain, Barcelona LNG Terminal — Start-up : 1968 — www.enagas.es — *large-scale facility onshore* — enagas

MAXIMUM HOURLY CAPACITY: 1.950.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 17,10 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	760.000 m³ LNG; 5; 266.000 m³ LNG; 2; 15 m; 72 bar; Regulated

(*) jetty I: 80.000 / jetty2: 266.000

Spain, Huelva LNG Terminal — Start-up : 1988 — www.enagas.es — *large-scale facility onshore* — enagas

MAXIMUM HOURLY CAPACITY: 1.350.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 11,80 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	619.500 m³ LNG; 5; 173.400 m³ LNG; 1; 12,5 m; 80 bar; Regulated

Spain, Cartagena LNG Terminal — Start-up : 1989 — www.enagas.es — *large-scale facility onshore* — enagas

MAXIMUM HOURLY CAPACITY: 1.350.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 11,80 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	587.000 m³ LNG; 5; 266.000 m³ LNG; 2; 13 m; 72 bar; Regulated

Spain, Bilbao LNG Terminal — Start-up : 2003 — www.bbgnl.com — *large-scale facility onshore* — BBG

MAXIMUM HOURLY CAPACITY: 1.000.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 8,80 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	450.000 m³ LNG; 4; 270.000 m³ LNG; 1; 20 m; 72 bar; Regulated

Spain, Sagunto LNG Terminal — Start-up : 2006 — www.saggas.com — *large-scale facility onshore* — saggas

MAXIMUM HOURLY CAPACITY: 1.000.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 8,80 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	600.000 m³ LNG; 4; 265.000 m³ LNG; 1; -m; 72 bar; Regulated

Spain, Mugardos LNG Terminal — Start-up : 2007 — www.reganosa.com — *large-scale facility onshore* — reganosa

MAXIMUM HOURLY CAPACITY: current : 412.800 m³(N)/h; by 2023 : 825.600 m³(N)/h	NOMINAL ANNUAL CAPACITY: current : 3,60 billion m³(N)/year; by 2023 : 7,20 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	current : 300.000 m³ LNG; by 2022 : 490.000 m³ LNG; current : 2; by 2022 : 3; 266.000 m³ LNG; 1; by 2020 : 2; 14 m; 80 bar; Regulated

Spain, Gijón (Musel) LNG Terminal — Start-up : — www.enagas.es — *large-scale facility onshore* — enagas

MAXIMUM HOURLY CAPACITY: current : 800.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: current : 7,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	300.000 m³ LNG; 2; 266.000 m³ LNG; 1; 14,5 m; 72 bar; Regulated

(*) Facility pending start-up confirmation by the government according to Spanish Law 8/2015. Until 12.01.2021 construction has been authorized by the government will grant the start-up authorization when the capacity is required.

Turkey, Aliaga Izmir LNG terminal — Start-up : 2006 — www.egegaz.com.tr — *large-scale facility onshore* — EgeGaz

MAXIMUM HOURLY CAPACITY: current : 680.000 m³(N)/h; future : 1.000.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: current : 6,00 billion m³(N)/year; future : *8,80 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	280.000 m³ LNG; 3; 265.000 m³ LNG; 1; -; -; 17,0 m; 75 bar; Regulated

Remark : (*) estimate

Turkey, Aliaga Etki LNG terminal Neptune — Start-up : 2016 — www.etkiliman.com.tr — *Floating Storage and Regasification Unit* — etkiliman

MAXIMUM HOURLY CAPACITY: current : 600.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: current : 5,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	145.000 m³ LNG; 4; -; 17,0 m; 75 bar; Regulated

LARGE-SCALE / UNDER CONSTR.

under construction extensions are indicated in the operational list

Croatia, Krk Island LNG terminal, Omišal — Start-up : 2021 — www.lng.hr — *Floating Storage and Regasification Unit* — PCI — LNG hrvatska

MAXIMUM HOURLY CAPACITY: by 2020 : 300.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: by 2020 : 2,60 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	by 2020 : 140.000 m³ LNG; by 2020 : 2; -; -; -; -; -

(*) to be confirmed

Spain, Gran Canaria (Arinaga) LNG terminal — Start-up : 2027 — www.gascan.es — *large-scale facility onshore* — Gascan

MAXIMUM HOURLY CAPACITY: by 2027 : 150.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: by 2027 : 1,30 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	by 2027 : 150.000 m³ LNG; by 2027 : 1; 140.000 m³ LNG; 1; by 2021 : -; 72 bar; Regulated

Spain, Tenerife (Arico-Granadilla) LNG terminal — Start-up : 2021 — www.gascan.es — *large-scale facility onshore* — Gascan

MAXIMUM HOURLY CAPACITY: by 2021 : 150.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: by 2021 : 1,30 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	by 2021 : 150.000 m³ LNG; by 2021 : 1; 140.000 m³ LNG; 1; -; 72 bar; Regulated

UK, Isle of Grain LNG Terminal — Start-up : 2005 — www.nationalgrid.com/uk/GrainLNG/ — *large-scale facility onshore* — nationalgrid

MAXIMUM HOURLY CAPACITY: current : 2.650.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 19,50 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	current : 1.000.000 m³ LNG; future : 1.200.000 m³ LNG; current : 9; future : 10; 266.000 m³ LNG; 2; 13 m; 70 bar; Exempted

(*) up to

UK, Milford Haven - Dragon LNG terminal — Start-up : 2000 — www.dragonlng.co.uk — *large-scale facility onshore* — DRAGON LNG

MAXIMUM HOURLY CAPACITY: 1.140.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 7,60 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	520.000 m³ LNG; 2; 217.000 m³ LNG; 1; -; -; Exempted

UK, Milford Haven - South Hook LNG terminal — Start-up : 2009 — www.southhooklng.co.uk — *large-scale facility onshore* — South Hook LNG

MAXIMUM HOURLY CAPACITY: 2.440.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 21,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	775.000 m³ LNG; 5; 265.000 m³ LNG; 1; 17,5 m; 93,5 bar; Exempted

(*) 1 jetty, 2 berths

Turkey, FSRU Ishendurun (Dörtyol) — Start-up : 2019 — www.botas.gov.tr — *Floating Storage and Regasification Unit* — botas

MAXIMUM HOURLY CAPACITY: 800.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 7,30 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	263.000 m³ LNG; -; -; -; -; -

Turkey, Marmara Ereglisi LNG terminal — Start-up : 1994 — www.botas.gov.tr — *large-scale facility onshore* — botas

MAXIMUM HOURLY CAPACITY: current : 685.000 m³(N)/h; future : 1.300.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: current : 6,20 billion m³(N)/year; future : *9,90 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	255.000 m³ LNG; 3; 130.000 m³ LNG; 1; -; -; -

(*) estimate

UK, Isle of Grain LNG Terminal — Start-up : 2005 — www.nationalgrid.com/uk/GrainLNG/ — *large-scale facility onshore* — nationalgrid

MAXIMUM HOURLY CAPACITY: current : 2.650.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 19,50 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	current : 1.000.000 m³ LNG; future : 1.200.000 m³ LNG; current : 9; future : 10; 266.000 m³ LNG; 2; 13 m; 70 bar; Exempted

(*) up to

UK, Milford Haven - Dragon LNG terminal — Start-up : 2000 — www.dragonlng.co.uk — *large-scale facility onshore* — DRAGON LNG

MAXIMUM HOURLY CAPACITY: 1.140.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 7,60 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	520.000 m³ LNG; 2; 217.000 m³ LNG; 1; -; -; Exempted

UK, Milford Haven - South Hook LNG terminal — Start-up : 2009 — www.southhooklng.co.uk — *large-scale facility onshore* — South Hook LNG

MAXIMUM HOURLY CAPACITY: 2.440.000 m³(N)/h	NOMINAL ANNUAL CAPACITY: 21,00 billion m³(N)/year
LNG STORAGE CAPACITY: NUMBER OF TANKS: MAX. SHIP CLASS SIZE RECEIVABLE: NUMBER OF JETTIES: MINIMUM SEA DEPTH ALONGSIDE: MAXIMUM SEND OUT PRESSURE: TPA REGIME	775.000 m³ LNG; 5; 265.000 m³ LNG; 1; 17,5 m; 93,5 bar; Exempted

(*) 1 jetty, 2 berths

LARGE-SCALE / PLANNED

planned extensions are indicated in the operational list

Albania, Eagle LNG Terminal (Levan) — Start-up : — www.eagle-lng.com — *Floating Storage and Regasification Unit* — eagle lng
NOMINAL ANNUAL CAPACITY: 4,00 - 8,00 billion m³(N)/year

Cyprus, FSRU (Vassiliko) — Start-up : 2020 — PCI — cygas
Floating Storage and Regasification Unit
NOMINAL ANNUAL CAPACITY: 2,40 billion m³(N)/year

Poland, FSRU Polish Baltic Sea Coast — Start-up : 2028 — www.gaz-system.pl — www.polskilng.pl — *Floating Storage and Regasification Unit* — GAZ-SYSTEM LNG
NOMINAL ANNUAL CAPACITY: 4,10 - 8,20 billion m³(N)/year

Spain, Gran Canaria (Arinaga) LNG terminal — Start-up : 2027 — www.gascan.es — *large-scale facility onshore* — Gascan
NOMINAL ANNUAL CAPACITY: 1,30 billion m³/year

Spain, Tenerife (Arico-Granadilla) LNG terminal — Start-up : 2021 — www.gascan.es — *large-scale facility onshore* — Gascan
NOMINAL ANNUAL CAPACITY: 1,30 billion m³/year

Germany, Stade LNG terminal — Start-up : — *large-scale facility onshore* — MACQUARIE HEP 中国海油
NOMINAL ANNUAL CAPACITY: 5,00 - 8,00 billion m³/year

Germany, Wilhelmshaven LNG terminal — Start-up : 2022 — www.lng-wilhelmshaven.com — *Floating Storage and Regasification Unit* — uniper MOL
NOMINAL ANNUAL CAPACITY: 10,00 billion m³/year

Greece, Alexandroupolis LNG terminal — Start-up : 2021 — PCI — www.gasstrade.gr — *Floating Storage and Regasification Unit* — gas strade
NOMINAL ANNUAL CAPACITY: 6,10 billion m³/year

Ireland, Cork LNG terminal (Inisfree) — Start-up : — www.next-decade.com — *Floating Storage and Regasification Unit* — NEXTDECADE A Portfolio JV2 Company
NOMINAL ANNUAL CAPACITY: 4,00 billion m³/year

Ireland, Shannon LNG terminal — Start-up : — www.shannonlng.ie — *large-scale facility onshore* — PCI — Shannon LNG
NOMINAL ANNUAL CAPACITY: from 6,20 to 10,3 billion m³/year

Italy, Porto Empedocle (Sicilia) LNG terminal — Start-up : 2022 — www.enel.it — *large-scale facility onshore* — Enel
NOMINAL ANNUAL CAPACITY: 8,00 billion m³/year

Latvia, Skulte LNG terminal — Start-up : — *Floating Regasification Unit* — AS "Skulte LNG Terminal"
NOMINAL ANNUAL CAPACITY: 5,00 billion m³/year

Latvia, Kundzisalas LNG terminal — Start-up : — KUNDZINSALAS DEKNVIDU PROJEKTS — *Floating Storage and Regasification Unit*
NOMINAL ANNUAL CAPACITY: 4,00 - 8,00 billion m³(N)/year

Morocco, Jorf Lasfar / El Jadida LNG terminal — Start-up : — www.snl.com — *large-scale facility onshore* — SNI
NOMINAL ANNUAL CAPACITY: 5,00 billion m³(N)/year

Portugal, Sines LNG terminal — Start-up : — www.sonangaslng.com — *Floating Storage and Regasification Unit* — SONANGAS LNG
NOMINAL ANNUAL CAPACITY: 5,00 billion m³(N)/year

Russia, Ust-Luga / Baltic LNG — Baltic Sea — Start-up : 2023 / 2024 — GALPHIM
13 10⁶ t/year

Russia, Shtokman-Teriberka — Barents Sea — Start-up : — GALPHIM
30 10⁶ t/year

Russia, Arctic LNG 2 — Yamal Peninsula — Start-up : 2023 — NOVATEK
19,8 10⁶ t/year — 3 trains

Russia, Ust-Luga / Baltic LNG — Baltic Sea — Start-up : 2023 / 2024 — GALPHIM
13 10⁶ t/year

Russia, Shtokman-Teriberka — Barents Sea — Start-up : — GALPHIM
30 10⁶ t/year

Russia, Yamal LNG — Yamal Peninsula — Start-up : 2017 — NOVATEK
16,5 10⁶ t/year — 3 trains
under construction: 0,9 10⁶ t/year — 1 train

Turkey, Filiyos LNG terminal — Start-up : — www.botas.gov.tr — *large-scale facility onshore* — botas
NOMINAL ANNUAL CAPACITY: 5,00 - 8,00 billion m³(N)/year

Turkey, Tekirdag LNG terminal — Start-up : — www.botas.gov.tr — *large-scale facility onshore* — botas
NOMINAL ANNUAL CAPACITY: 5,00 - 8,00 billion m³(N)/year

Turkey, FSRU Gulf of Saros — Start-up : — www.botas.gov.tr — *Floating Storage and Regasification Unit* — botas
NOMINAL ANNUAL CAPACITY: 5,00 - 8,00 bill