gie

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LNG MAP

EXISTING & PLANNED INFRASTRUCTURE

2018

gie 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.

Data represents the status of 1 October 2017.

More current information on LNG data can be found on the ALSI website at alsi.gie.eu

GIE IS REPRESENTING 16 MEMBERS IN 9 COUNTRIES AND 2 OBSERVERS

M E M B E R S

- BELGIUM: FLUXYS; elengy
- GREECE: DESFA; Dunkerque LNG
- NETHERLANDS: Gate terminal; FOSMAX LNG
- PORTUGAL: REN Atlântico; GNL ITALIA
- ITALY: OLT Offshore LNG Toscana; Adriatic LNG
- UNITED KINGDOM: nationalgrid; SOUTH HOOK LNG; enagas; BBG; reganosa
- SPAIN: enagas; BBG; reganosa
- POLAND: GAZ-SYSTEM

O B S E R V E R S

- IRELAND: Shannon LNG
- 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 — Start-up : 2018 — Vopak — LNG Import Terminal *Under study or Proposed*
- Export
  - Algeria, Arzew-Bethioua (GL 1Z) — Start-up : 1978 — LNG Export Terminal *Operational*
  - Russia, Ust-Luga, Baltic Sea — Start-up : 2022/2023 — GAZPROM — LNG Export Terminal *Project*

Small Scale LNG

- Import
  - Norway, Øra LNG — Start-up : 2011 — Skangas — Import Terminal *Operational*
  - Finland, Tornio Manga — Start-up : 2018 — Manga LNG — Import Terminal *Under construction*
  - Sweden, Gävle LNG — Start-up : — Skangas — Import Terminal *Planned*
- Export
  - Norway, Kollsnes 1 — Start-up : 2005 — gasnor — LNG Liquefaction plant *Operational*
  - Denmark, Frederikshavn — Start-up : 2019 — DONG ENERGY — 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
- Unknown / Gas storage facilities in non-GIE Member countries

Transport by pipeline

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

Transport by tanker

- indicative LNG route

Gas Reserve areas

- gas field
- drilling platform

LNG DATA LEGEND

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

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

GENERAL INFORMATION

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
- m³(N)/ h	- billion m³(N) / year

Maximum Hourly Capacity cubic meter at normal conditions — $m^3(N)$ / hour

Nominal Annual Capacity billion cubic meter at normal conditions — billion $m^3(N)$ / year

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

TECHNICAL INFORMATION

LNG STORAGE CAPACITY	current / projected m^3 LNG
NUMBER OF TANKS	-
MAXIMUM LNG SHIP CLASS SIZE RECEIVABLE	m^3 LNG
NUMBER OF JETTIES	-
MINIMUM SEA DEPTH ALONGSIDE	m
MAXIMUM SEND OUT PRESSURE	bar
TPA REGIME	Regulated / Exempted / Hybrid

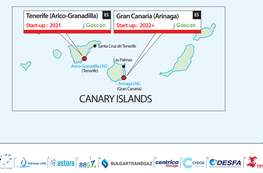
FID FOR EXPANSION PLANS

- FID Final Investment Decision taken
- FID Final Investment Decision not taken

PROJECTS OF COMMON INTEREST (PCI)

PCI Project part of European Commission 3rd PCI list

polaris — scale = 1 : 8.000.000 — Version : December 2017



LARGE-SCALE / OPERATIONAL

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 1.700.000 m³(N)/h	current : 9.00 billion m³(N)/year

LNG STORAGE CAPACITY	current : 386.000 m³ LNG; by 2019 : 566.000 m³ LNG (1)
NUMBER OF TANKS	current : 4; by 2019 : 5 (1)
MAX. SHIP CLASS SIZE RECEIVABLE	266.000 m³ LNG
NUMBER OF JETTIES	2
MINIMUM SEA DEPTH ALONGSIDE	13 m
MAXIMUM SEND OUT PRESSURE	10 bar
TPA REGIME	Regulated

Egypt, Ain-Sokhna (BW Singapore) — Start-up : 2015 — *Floating Storage and Regasification Unit*

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
-	7.80 billion m³(N)/year

LNG STORAGE CAPACITY	170.000 m³ LNG
NUMBER OF TANKS	-
MAX. SHIP CLASS SIZE RECEIVABLE	-
NUMBER OF JETTIES	-
MINIMUM SEA DEPTH ALONGSIDE	-
MAXIMUM SEND OUT PRESSURE	-
TPA REGIME	no TPA

Egypt, Ain-Sokhna (Höegh Gallant) — Start-up : 2015 — *Floating Storage and Regasification Unit*

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
-	5.20 billion m³(N)/year

LNG STORAGE CAPACITY	170.000 m³ LNG
NUMBER OF TANKS	-
MAX. SHIP CLASS SIZE RECEIVABLE	-
NUMBER OF JETTIES	-
MINIMUM SEA DEPTH ALONGSIDE	-
MAXIMUM SEND OUT PRESSURE	-
TPA REGIME	no TPA

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.900.000 m³(N)/h	13.00 billion m³(N)/year

LNG STORAGE CAPACITY	600.000 m³ LNG
NUMBER OF TANKS	3
MAX. SHIP CLASS SIZE RECEIVABLE	267.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	19 m
MAXIMUM SEND OUT PRESSURE	10 bar
TPA REGIME	Exempted

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
620.000 m³(N)/h	5.00 billion m³(N)/year

LNG STORAGE CAPACITY	80.000 m³ LNG
NUMBER OF TANKS	1
MAX. SHIP CLASS SIZE RECEIVABLE	75.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	12 m
MAXIMUM SEND OUT PRESSURE	67,7 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 1.600.000 m³(N)/h; by 2023 : 2.000.000 m³(N)/h (2)	current : 10.00 billion m³(N)/year; by 2023 : 12,50 billion m³(N)/year (2)

LNG STORAGE CAPACITY	current : 360.000 m³ LNG; by 2023 : 550.000 m³ LNG (2)
NUMBER OF TANKS	current : 3; by 2023 : 4 (2)
MAX. SHIP CLASS SIZE RECEIVABLE	267.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	13 m
MAXIMUM SEND OUT PRESSURE	80 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 1.150.000 m³(N)/h; by 2021 : 1.550.000 m³(N)/h; by 2023 : *2.320.000 m³(N)/h	current : 8,25 billion m³(N)/year; by 2021 :11,00 billion m³(N)/year; by 2023 : *16,5 billion m³(N)/year

LNG STORAGE CAPACITY	current : 330.000 m³ LNG; by 2023 : *550.000 m³ LNG (2); by 2023 : *- (2)
NUMBER OF TANKS	3
MAX. SHIP CLASS SIZE RECEIVABLE	267.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	15 m
MAXIMUM SEND OUT PRESSURE	90 bar
TPA REGIME	Regulated

Remark : (*) up to

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 570.000 m³(N)/h; 2018 : 798.000 m³(N)/h (3)	current : 5.00 billion m³(N)/year; 2018 : 7.00 billion m³(N)/year (3)

LNG STORAGE CAPACITY	current : 130.000 m³ LNG; by 2018 : 225.000 m³ LNG (3)
NUMBER OF TANKS	current : 2; by 2018 : 3 (3)
MAX. SHIP CLASS SIZE RECEIVABLE	current : *135.000 m³ LNG; by 2018 : 260.000 m³ LNG (3)
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	current : 12,7 m; by 2018 : 13,5 m
MAXIMUM SEND OUT PRESSURE	64 bar
TPA REGIME	Regulated

(*) bigger ships may be accommodated, under specific conditions

Israel, Hadera Gateway LNG terminal — Start-up : 2013 — www.ingl.co.il — *Submerged Turret Loading Buoy*

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
-	current : 9.60 billion m³(N)/year; future : 9.60 billion m³(N)/year

LNG STORAGE CAPACITY	current : 138.000 m³ LNG

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
427.000 m³(N)/h	3,40 billion m³(N)/year

LNG STORAGE CAPACITY	*100.000 m³ LNG; (4) *- (4)
NUMBER OF TANKS	1; (4) *1 (4)
MAX. SHIP CLASS SIZE RECEIVABLE	70.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	10,0 m
MAXIMUM SEND OUT PRESSURE	70 bar
TPA REGIME	Regulated

(*) 50.000 operational (due to maintenance of 1 storage tank)
(**) 1 operational (due to maintenance of 1 storage tank)

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.038.857 m³(N)/h	7,58 billion m³(N)/year

LNG STORAGE CAPACITY	250.000 m³ LNG
NUMBER OF TANKS	2
MAX. SHIP CLASS SIZE RECEIVABLE	152.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	27 m
MAXIMUM SEND OUT PRESSURE	70 bar
TPA REGIME	Hybrid

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
592.465 m³(N)/h	5,00 billion m³(N)/year

LNG STORAGE CAPACITY	137.500 m³ LNG
NUMBER OF TANKS	2
MAX. SHIP CLASS SIZE RECEIVABLE	180.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	13,5 m
MAXIMUM SEND OUT PRESSURE	80 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
460.000 m³(N)/h	4,00 billion m³(N)/year

LNG STORAGE CAPACITY	170.000 m³ LNG
NUMBER OF TANKS	1
MAX. SHIP CLASS SIZE RECEIVABLE	160.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	14,5 m
MAXIMUM SEND OUT PRESSURE	5,4 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
3.910.000 m³(N)/h	0,70 billion m³(N)/year

LNG STORAGE CAPACITY	125.000 m³ LNG
NUMBER OF TANKS	5
MAX. SHIP CLASS SIZE RECEIVABLE	-
NUMBER OF JETTIES	-
MINIMUM SEA DEPTH ALONGSIDE	-
MAXIMUM SEND OUT PRESSURE	-
TPA REGIME	-

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 1.650.000 m³(N)/h; future : 2.200.000 m³(N)/h (5)	current : 12,00 billion m³(N)/year; future : 16,00 billion m³(N)/year (5)

LNG STORAGE CAPACITY	current : 540.000 m³ LNG; future : 720.000 m³ LNG (5)
NUMBER OF TANKS	current : 3; future : 4 (5)
MAX. SHIP CLASS SIZE RECEIVABLE	266.000 m³ LNG
NUMBER OF JETTIES	3
MINIMUM SEA DEPTH ALONGSIDE	14,5/10 m
MAXIMUM SEND OUT PRESSURE	80 bar
TPA REGIME	Exempted

(*) 1 jetty, 2 berths

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 656.000 m³(N)/h; by 2030 : 984.000 m³(N)/h (1)	current : 5,00 billion m³(N)/year; by 2030 : 7,50 billion m³(N)/year (1)

LNG STORAGE CAPACITY	current : 320.000 m³ LNG; by 2023 : 500.000 m³ LNG (1)
NUMBER OF TANKS	2
MAX. SHIP CLASS SIZE RECEIVABLE	216.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	14,5 m
MAXIMUM SEND OUT PRESSURE	84 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.350.000 m³(N)/h	7,60 billion m³(N)/year

LNG STORAGE CAPACITY	390.000 m³ LNG
NUMBER OF TANKS	3
MAX. SHIP CLASS SIZE RECEIVABLE	216.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	13,5 m
MAXIMUM SEND OUT PRESSURE	84 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.950.000 m³(N)/h	17,10 billion m³(N)/year

LNG STORAGE CAPACITY	760.000 m³ LNG
NUMBER OF TANKS	6
MAX. SHIP CLASS SIZE RECEIVABLE	266.000 m³ LNG
NUMBER OF JETTIES	*2
MINIMUM SEA DEPTH ALONGSIDE	15 m
MAXIMUM SEND OUT PRESSURE	72 bar
TPA REGIME	Regulated

(*) jetty1: 80.000 / jetty2: 266.000

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.350.000 m³(N)/h	11,80 billion m³(N)/year

LNG STORAGE CAPACITY	619.500 m³ LNG
NUMBER OF TANKS	7
MAX. SHIP CLASS SIZE RECEIVABLE	173.400 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	12,5 m
MAXIMUM SEND OUT PRESSURE	72 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.350.000 m³(N)/h	11,80 billion m³(N)/year

LNG STORAGE CAPACITY	587.000 m³ LNG
NUMBER OF TANKS	5
MAX. SHIP CLASS SIZE RECEIVABLE	266.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	15 m
MAXIMUM SEND OUT PRESSURE	72 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.000.000 m³(N)/h	8,80 billion m³(N)/year

LNG STORAGE CAPACITY	450.000 m³ LNG
NUMBER OF TANKS	3
MAX. SHIP CLASS SIZE RECEIVABLE	270.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	20 m
MAXIMUM SEND OUT PRESSURE	72 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.000.000 m³(N)/h	8,80 billion m³(N)/year

LNG STORAGE CAPACITY	600.000 m³ LNG
NUMBER OF TANKS	4
MAX. SHIP CLASS SIZE RECEIVABLE	265.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	- m
MAXIMUM SEND OUT PRESSURE	72 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 412.800 m³(N)/h; (2) 825.600 m³(N)/h	current : 3,60 billion m³(N)/year; (2) 6,20 billion m³(N)/year

LNG STORAGE CAPACITY	current : 300.000 m³ LNG; (2) 490.000 m³ LNG
NUMBER OF TANKS	2; (2) 3
MAX. SHIP CLASS SIZE RECEIVABLE	266.000 m³ LNG
NUMBER OF JETTIES	1; (2) 2
MINIMUM SEA DEPTH ALONGSIDE	14 m
MAXIMUM SEND OUT PRESSURE	80 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 800.000 m³(N)/h	current : 7,00 billion m³(N)/year

LNG STORAGE CAPACITY	300.000 m³ LNG
NUMBER OF TANKS	3
MAX. SHIP CLASS SIZE RECEIVABLE	266.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	14,5 m
MAXIMUM SEND OUT PRESSURE	72 bar
TPA REGIME	Regulated

(*) Facility pending start-up authorisation by the government according to Royal Decree-Law 13/2012. Construction has been completed and the government will grant the start-up authorisation 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	NOMINAL ANNUAL CAPACITY
current : 680.000 m³(N)/h; future : 1.000.000 m³(N)/h	current : 6,00 billion m³(N)/year; future : 9,80 billion m³(N)/year

LNG STORAGE CAPACITY	280.000 m³ LNG
NUMBER OF TANKS	3
MAX. SHIP CLASS SIZE RECEIVABLE	265.000 m³ LNG
NUMBER OF JETTIES	-
MINIMUM SEA DEPTH ALONGSIDE	-
MAXIMUM SEND OUT PRESSURE	-
TPA REGIME	-

Remark : (*) estimate

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 600.000 m³(N)/h	current : 5,00 billion m³(N)/year

LNG STORAGE CAPACITY	145.130 m³ LNG
NUMBER OF TANKS	4
MAX. SHIP CLASS SIZE RECEIVABLE	-
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	17,0 m
MAXIMUM SEND OUT PRESSURE	75 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 685.000 m³(N)/h; future : 1.300.000 m³(N)/h (6)	current : 6,20 billion m³(N)/year; future : *9,90 billion m³(N)/year (6)

LNG STORAGE CAPACITY	255.000 m³ LNG
NUMBER OF TANKS	3
MAX. SHIP CLASS SIZE RECEIVABLE	130.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	-
MAXIMUM SEND OUT PRESSURE	-
TPA REGIME	-

Remark : (*) estimate

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
current : 2.650.000 m³(N)/h	current : 19,50 billion m³(N)/year; future : *27,50 billion m³(N)/year (6)

LNG STORAGE CAPACITY	current : 1.000.000 m³ LNG; future : 1.200.000 m³ LNG (6)
NUMBER OF TANKS	current : 8; future : 9 (6)
MAX. SHIP CLASS SIZE RECEIVABLE	266.000 m³ LNG
NUMBER OF JETTIES	2
MINIMUM SEA DEPTH ALONGSIDE	13 m
MAXIMUM SEND OUT PRESSURE	70 bar
TPA REGIME	Exempted

(*) up to

UK, Milford Haven - Dragon LNG terminal — Start-up : 2009 — www.dragonlng.co.uk — *large-scale facility onshore* — DRAGON LNG

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
1.140.000 m³(N)/h	7,60 billion m³(N)/year

LNG STORAGE CAPACITY	320.000 m³ LNG
NUMBER OF TANKS	3
MAX. SHIP CLASS SIZE RECEIVABLE	217.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	-
MAXIMUM SEND OUT PRESSURE	-
TPA REGIME	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	NOMINAL ANNUAL CAPACITY
-	21,00 billion m³(N)/year

LNG STORAGE CAPACITY	775.000 m³ LNG
NUMBER OF TANKS	5
MAX. SHIP CLASS SIZE RECEIVABLE	265.000 m³ LNG
NUMBER OF JETTIES	*2
MINIMUM SEA DEPTH ALONGSIDE	17,1 m
MAXIMUM SEND OUT PRESSURE	93,3 bar
TPA REGIME	Exempted

(*) 1 jetty, 2 berths

LARGE-SCALE / UNDER CONSTR.

Spain, Gran Canaria (Arinaga) LNG terminal — Start-up : 2022> — www.gascan.es — *large-scale facility onshore* — Gascan

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
by 2022> : 150.000 m³(N)/h; future : 225.000 m³(N)/h (1)	by 2022> : 1,30 billion m³(N)/year; future : 2,00 billion m³(N)/year (1)

LNG STORAGE CAPACITY	by 2022> : 150.000 m³ LNG; future : 300.000 m³ LNG (1); by 2023> : future : - (1)
NUMBER OF TANKS	1; future : 2 (1)
MAX. SHIP CLASS SIZE RECEIVABLE	140.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	-
MAXIMUM SEND OUT PRESSURE	72 bar
TPA REGIME	Regulated

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

MAXIMUM HOURLY CAPACITY	NOMINAL ANNUAL CAPACITY
by 2021 : 150.000 m³(N)/h; future : 225.000 m³(N)/h (1)	by 2021 : 1,30 billion m³(N)/year; future : 2,00 billion m³(N)/year (1)

LNG STORAGE CAPACITY	by 2021 : 150.000 m³ LNG; future : 300.000 m³ LNG (1); by 2021 : future : - (1)
NUMBER OF TANKS	1; future : 2 (1)
MAX. SHIP CLASS SIZE RECEIVABLE	200.000 m³ LNG
NUMBER OF JETTIES	1
MINIMUM SEA DEPTH ALONGSIDE	-
MAXIMUM SEND OUT PRESSURE	-
TPA REGIME	Regulated

KEY DATA

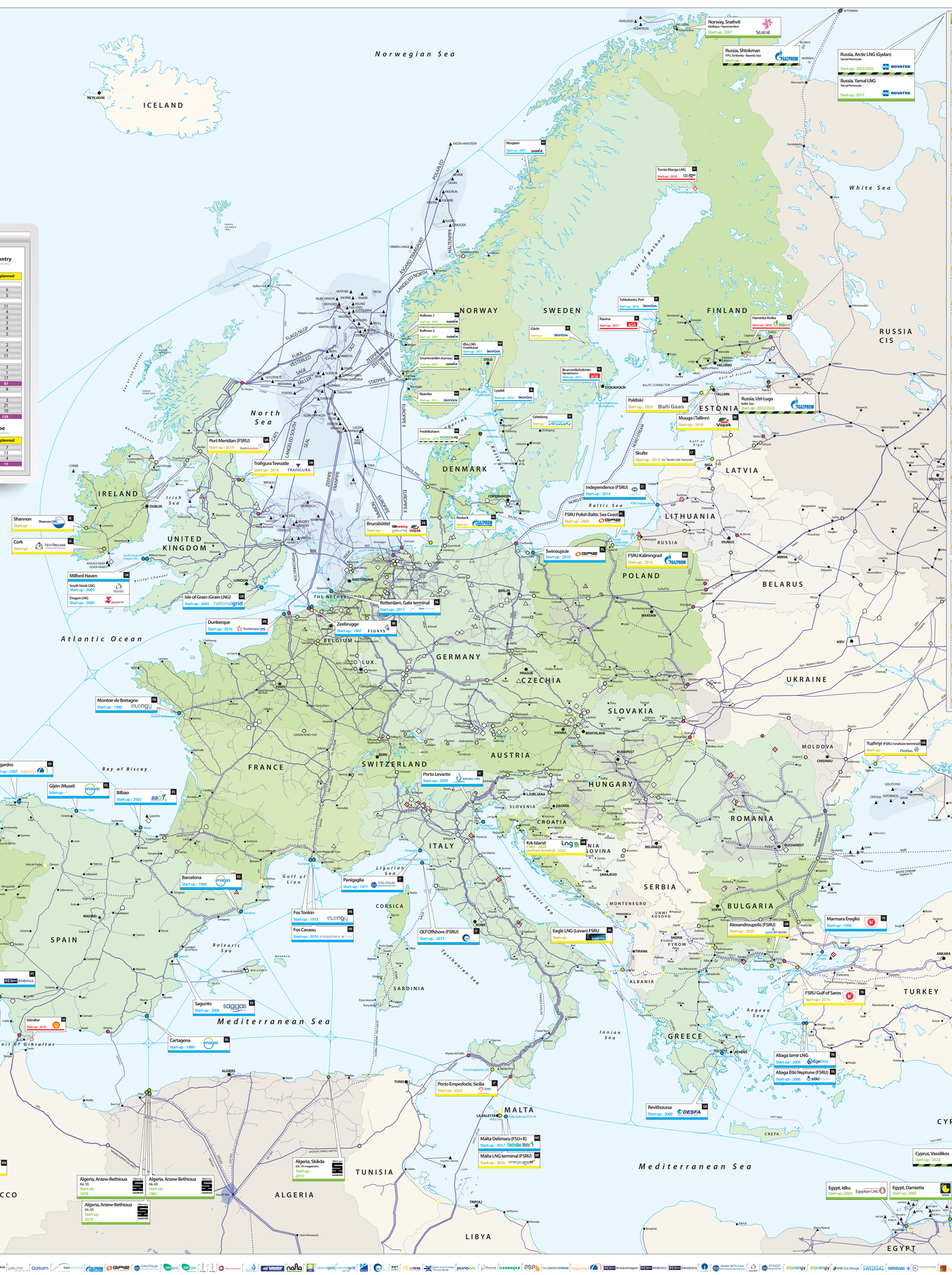
Annual regasification capacity of large-scale LNG import terminals per country

billion m³(N)/year

	operational	under const.	planned
BELGIUM	9		
CROATIA			6
ESTONIA			5
FINLAND			
FRANCE	34		11
GERMANY			4
GREECE	5	2	6
IRELAND			3
ITALY	15		8
LATVIA			5
LITHUANIA	4		
MALTA	1		2
NETHERLANDS	12		4
POLAND	5		11
PORTUGAL	8		
SPAIN	69	3	5
SWEDEN	1		1
UK	48		17
TOTAL EU 28	**210**	**5**	**87**
ALBANIA			8
NORWAY			
RUSSIA			3
TURKEY	17		3
UKRAINE			10
TOTAL EUROPE	**227**	**5**	**129**

Number of LNG import terminals per type

	operational	under const.	planned
LARGE-SCALE	23	2	7
FSRU & OTHERS	4	0	13
SMALL-SCALE	5	4	4
TOTAL EUROPE	**28**	**6**	**11**


Norwegian Sea
ICELAND
NORWAY
SWEDEN
FINLAND
ESTONIA
LATVIA
LITHUANIA
RUSSIA
RUSSIA CIS
BELARUS
UKRAINE
POLAND
DENMARK
North Sea
IRELAND
UNITED KINGDOM
Irish Sea
Atlantic Ocean
Baltic Sea
White Sea
Black Sea
Sea of Azov
Mediterranean Sea
Aegean Sea
Ionian Sea
Levantine Basin
Bay of Biscay
Strait of Gibraltar
Gulf of Bothnia
Gulf of Finland
Gulf of Riga
Gulf of Lion
Ligurian Sea
Tyrrhenian Sea
Adriatic Sea
Balearic Sea
Gulf of Bothnia
Norway, Snøhvit — Hammerfest — Start-up : 2007 — Statoil
Russia, Shtokman — FPU Terbenka - Barents Sea — Start-up : - — GAZPROM
Russia, Arctic LNG (Gydan) — Yamal Peninsula — Start-up : 2022/2023 — NOVATEK
Russia, Yamal LNG — Yamal Peninsula — Start-up : 2017 — NOVATEK
Musgrave — Start-up : 2007 — gasnor
Tornio Manga LNG — Start-up : 2018 — Manga LNG
Kollsnes 1 — Start-up : 2005 — gasnor
Kollsnes 2 — Start-up : 2007 — gasnor
Øra LNG — Start-up : 2011 — Skangas
Snurrevarden (Karmøy) — Start-up : 2022 — gasnor
Risavika — Start-up : 2011 — Skangas
Fredrikshavn — Start-up : 2019 — NORDIGAS
Brunsvedkraftøen Haraldsvæn — Start-up : 2017 — KPS
Gävle — Start-up : - — Skangas
Tahkoluoto, Pori — Start-up : 2018 — Skangas
Rauma — Start-up : 2017 — KPS
Hamina-Kotka — Start-up : 2018 — Hamina LNG
Paldiski — Start-up : 2020 — Balti Gaas
Muuga (Tallinn) — Start-up : 2018 — Vopak
Russia, Ust-Luga — Baltic Sea — Start-up : 2022/2023 — GAZPROM
Skulte — Start-up : 2019 — AS "Skulte LNG Terminal"
Independence (FSRU) — Start-up : 2014 — NORGAS
FSRU Polish Baltic Sea Coast — Start-up : 2023 — GAZ-SYSTEM
Swinoujscie — Start-up : 2016 — GAZ-SYSTEM
FSRU Kaliningrad — Start-up : 2018 — GAZPROM
Rotterdam, Gate terminal — Start-up : 2011 — GATE TERMINAL
Zeebrugge — Start-up : 1987 — FLUXYS
Dunkerque — Start-up : 2016 — Dunkerque LNG
Isle of Grain (Grain LNG) — Start-up : 2005 — nationalgrid
Brunsbüttel — Start-up : - — Oldenburg Gas Hub — Vopak
Rostock — Start-up : - — GAZPROM
Shannon — Start-up : - — Shannon LNG
Cork — Start-up : - — NEXTDECADE
Milford Haven — South Hook LNG — Start-up : 2009 — Dragon LNG — Start-up : 2009
Port Meridian (FSRU) — Start-up : 2019 — PortMeridian
Trafigura Teesside — Start-up : 2018 — TRAFIGURA
Montoir de Bretagne — Start-up : 1980 — elengy
Murgardos — Start-up : 2007 — reganosa
Gijón (Musel) — Start-up : * — enagas
Bilbao — Start-up : 2003 — BBG
Barcelona — Start-up : 1968 — enagas
Panigaglia — Start-up : 1971 — GNL ITALIA
Fos Tonkin — Start-up : 1972 — elengy
Fos Cavaou — Start-up : 2010 — FOSMAX LNG
OLT Offshore (FSRU) — Start-up : 2013 — OLT
Porto Levante — Start-up : 2009 — Adriatic LNG
Krk Island — Start-up : 2021 — onshore terminal :