entsog
european network of transmission system operators for gas

Avenue de Cortenbergh 100
B - 1000 Brussels

T +32 2 894 51 00
Twitter : @ENTSOG

info@entsog.eu
www.entsog.eu

TYNDP 2022 MAP

TRANSMISSION - STORAGE - LNG PROJECTS

KEYS

Cross-border points / intra-country or intra balancing zone points

- Cross-border interconnection point within Europe or export point to non-EU country
- Cross-border interconnection point within Europe or export point to non-EU country *Under construction or Planned*
- Cross-border interconnection point with third country (import)
- Cross-border third country (import) *Under construction or Planned*
- Intra-country or intra balancing zone points
- Third country cross-border interconnection point
- Virtual point

Gas Reserve areas

- Drilling platform
- Gas field

Countries

- EU Countries
- Other Countries

ENTSOG currently comprises 43 TSO members,
2 Associated Partners from 27 European Countries and 10 Observers

When the same point is affected by several projects, the point is shown with the highest project status (operational, FID, advanced, non-FID), the status from single projects can vary from that.

The projects are shown with the planning status reported in their TYNDP 2022 submission.

All data provided on this map is for information purposes and shall be treated as indicative and non-contractual in nature, without pre-empting different outcomes of any possible discussion held at regional level. Under no circumstances shall it be regarded as information intended for commercial use.

polaris corvin

Version : March 2023

WGS 84 / Pseudo-Mercator projection

Transport by pipeline

Existing infrastructure :

- Diameter < 600 mm
- Diameter 600 - 900 mm
- Diameter > 900mm
- Not operational

Project categories :

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project is part of 5th PCI list :

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project identification :

- TRA-N-000 — ENTSOG project code

LNG Terminals and Plants

- LNG Terminal/ entry point into transmission system *Operational*
- LNG Plants' export point

Project categories :

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project is part of 5th PCI list :

- FID projects
- Non-FID, advanced projects
- Non-FID, advanced projects export projects
- Non-FID, less-advanced projects

Project identification :

- TRA-N-000 — ENTSOG project code

Storage facilities

- Acquifer
- Salt cavity - cavern
- Depleted (Gas) field on shore / offshore
- Other type — Unknown

Project categories :

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project is part of 5th PCI list :

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project identification :

- TRA-N-000 — ENTSOG project code

Compressor stations

Project categories :

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project is part of 5th PCI list :

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project identification :

- TRA-N-000 — ENTSOG project code

TRA-F-137 | Interconnection Bulgaria - Serbia | BULGARTRANSGAZ | FID | PCI

Project ENTSOG code | Project Name | Project Promoter | Project status codes

Project not marked on map
Exact project location is not available or is marked as confidential

Exact project locations not marked on map
Project has several locations/points.
The indicated location is for representation purposes only and does not indicate the exact location of the project

Project ENTSOG codes / color :

- TRA-N-000 Project is part of 5th PCI list
- TRA-N-000 Project is not part of 5th PCI list

Project status codes :

The project advancement status is based on project collection conducted in Oct-Nov 2021 and/or June 2022.

PCI | Non-PCI — PCI status (Project of Common Interest)

FID | Advanced | Less-Adv. — FID status (Final Investment Decision)

Advanced status is applied to all projects that, based on the information submitted, have:
- commissioning year expected at the latest by 31st December of the year of the TYNDP project data collection + 6 (e.g. *2028 in case of TYNDP 2022, for which projects are collected in 2022*)
- and whose permitting phase has started ahead of the TYNDP project data collection - OR - FEED has started *(or the project has been selected for receiving CEF grants for FEED ahead of the TYNDP project data collection)*

TRANSPORT BY PIPELINES (INCL. COMPRESSOR STATIONS)

TRA-F-137	Interconnection Bulgaria - Serbia	BULGARTRANSGAZ	FID	PCI
TRA-F-298	Modernization and rehabilitation of the Bulgarian GTS	BULGARTRANSGAZ	FID	PCI
TRA-F-362	Enhancement of Latvia-Lithuania Interconnection (Lithuanian part)	AST	FID	PCI
TRA-F-382	Devt. on the Romanian territory of Southern Transmission Corridor	TRANSGAZ	FID	PCI
TRA-F-392	Environmental and Interconnection Reinforcement (Transmission)	CONNECTIS	FID	PCI
TRA-F-393	North - South Gas Corridor in Eastern Poland	GAZ-SYSTEM	FID	Non-PCI
TRA-F-229	EEIL/BA	OGE / Plinovodi	FID	Non-PCI
TRA-F-396	Norwegian tie-in to Danish upstream system	ENERGINET	FID	Non-PCI
TRA-F-080	TENP Security of Supply	Ruhrgas / OGE	FID	Non-PCI
TRA-F-089	Eynhe - Oneti	ELIA	FID	Non-PCI
TRA-F-088	L/H-Conversion Belgium	Ruhrgas	FID	Non-PCI
TRA-F-329	FYRM-1 Connection		FID	Non-PCI
TRA-F-241	CS Rimavar	/ OGE	FID	Non-PCI
TRA-F-814	Upgrade for IP Deutschnordorf et al. for More Capacity	OGE / TAG	FID	Non-PCI
TRA-F-815	Additional import at Oude Statenzijl, etc.	GASUNIE	FID	Non-PCI
TRA-F-891	Booster Compressor Station for TAP in Nea Mesimvria		FID	Non-PCI
TRA-F-1094	Metering and Regulating Station at Alzonne/Lupian		FID	Non-PCI
TRA-F-1095	TENP Security of Supply plus	Ruhrgas / OGE	FID	Non-PCI
TRA-F-1118	MAL	OGE	FID	Non-PCI
TRA-F-1119	Lupfen 2 EPCM station	Bayg / OGE / TAG	FID	Non-PCI
TRA-F-1266	CS Elten	OGE / Plinovodi	FID	Non-PCI
TRA-F-1331	Compressor Station Arnamhaem	OGE	FID	Non-PCI
TRA-F-1376	Upgrade of Nea Mesimvria Compressor Station		FID	Non-PCI
TRA-F-1378	Compressor station at Arnhem		FID	Non-PCI
TRA-A-17	Development for new import from the South (Adriatica Line)		Advanced	PCI
TRA-A-19	Poseidon Pipeline	EDISON / IGI	Advanced	PCI
TRA-A-20	Media Transitio Hydrogen Ready Pipeline	SNAM	Advanced	PCI
TRA-A-86	Interconnection Croatia/Slovenia (Lučko - Zabok - Jesenice - Soča)	PLINACRO	Advanced	PCI
TRA-A-136	Compressor Station Kosmos (former Kipi)		Advanced	PCI
TRA-A-208	EastMed Pipeline	EAST MED	Advanced	PCI
TRA-A-389	Metering and Regulating station at Megalopoli for East Med		Advanced	PCI
TRA-A-1227	Devt. on Romanian territory of MTS (BG-RO-HU-AT) - Phase II	TRANSGAZ	Advanced	PCI
TRA-A-27	Capacity from France to Germany at Obergailbach		Advanced	Non-PCI
TRA-A-33	LNG terminal northern Greece / Alexandroupolis - Pipeline Section		Advanced	Non-PCI
TRA-A-34	Int. Croatia - Bosnia and Herzegovina (Slobodnica- Bosanski Brod)	PLINACRO	Advanced	Non-PCI
TRA-A-69	Ionian Adriatic Pipeline	PLINACRO	Advanced	Non-PCI
TRA-A-76	Interconnection Croatia/Serbia (Slobodnica-Sotin-Bačko Novo Selo)	PLINACRO	Advanced	Non-PCI
TRA-A-79	LNG evacuation pipeline Zlobin-Bosiljevo-Sisak Kozarac	PLINACRO	Advanced	Non-PCI
TRA-A-230	Developments for Wobbe/ LNG terminal 2.5 bcm expansion		Advanced	Non-PCI
TRA-A-282	Interconnection Croatia-Bosnia and Herzegovina (South)	PLINACRO	Advanced	Non-PCI
TRA-A-283	Internal reinforcement	PLINACRO	Advanced	Non-PCI
TRA-A-429	Expansion at Spitsa "San Marco"	SNAM	Advanced	Non-PCI
TRA-A-437	Medelsheim desulfuration station		Advanced	Non-PCI
TRA-A-496	Increase of Gas Transport in the Netherlands	GASUNIE	Advanced	Non-PCI
TRA-A-500	Lucera - San Paolo	SNAM	Advanced	Non-PCI
TRA-A-562	FYROM in Le Havre connection		Advanced	Non-PCI
TRA-A-564	FYROM-2 Connection		Advanced	Non-PCI
TRA-A-598	NTS developments in North-West Romania	TRANSGAZ	Advanced	Non-PCI
TRA-A-607	Transmission Hybrid Compressor Stations		Advanced	Non-PCI
TRA-A-629	Eastring - Slovakia		Advanced	Non-PCI
TRA-A-630	Eastring - Romania	TRANSGAZ	Advanced	Non-PCI
TRA-A-631	Eastring - Hungary		Advanced	Non-PCI
TRA-A-766	Capacity Expansion for the German LNG Terminals	GASCADE	Advanced	Non-PCI
TRA-A-809	Reduct. H-Gas towards NL: Bunde/Oude Is Zone Oude Statenzijl II	GASCADE / GASUNIE	Advanced	Non-PCI
TRA-A-851	Southern Interconnection pipeline BAR/ORE	SNAM / FGSZ	Advanced	Non-PCI
TRA-A-921	Embedding CS Fränkisch-Crumbach in H-Gas	GASCADE	Advanced	Non-PCI
TRA-A-967	New Hintermoos/ Kiefersfelden/ Simbach pipeline (SOMAC and BWS)	GASCADE	Advanced	Non-PCI
TRA-A-968	EUGAL Terminal Stade - Grid integration	GASCADE	Advanced	Non-PCI
TRA-A-1069	Czech-Polish Bidirectional Interconnection		Advanced	Non-PCI
TRA-A-1106	LNG Evacuation Pipeline Kozarac-Slobodnica		Advanced	Non-PCI
TRA-A-1069	MEL (Medal) compressor station	Ruhrgas / GASCADE	Advanced	Non-PCI
TRA-A-1188	Greifswald EPCM station	Ruhrgas / GASCADE	Advanced	Non-PCI
TRA-A-1216	Grid extension for LNG Wilhelmshaven	/ OGE	Advanced	Non-PCI
TRA-A-1262	Czech-Polish Gas Interconnection - PL section		Advanced	Non-PCI
TRA-A-1130	Connecting pipe to LNG terminal in Lavera	CONNECTIS	Advanced	Non-PCI
TRA-A-1268	LNG Terminal Brunsbuettel - Grid integration	GASCADE	Advanced	Non-PCI
TRA-A-1269	Romania-Serbia Interconnection	TRANSGAZ	Advanced	Non-PCI
TRA-A-1270	Svetlyagor-Dzevik	Ruhrgas	Advanced	Non-PCI
TRA-N-96	CS Kidrichevo, 2nd phase of upgrade		Less-Adv.	PCI
TRA-A-1267	Romanian-Hungarian reverse flow Hungarian section 2nd stage		Less-Adv.	PCI
TRA-N-1086	Upgrade of Reguleo interconnection (MTA/T. Interconn. Regulej)		Less-Adv.	PCI
TRA-N-1087	Enhancement of Transm. Capacity Slovak-Hungarian interconnector		Less-Adv.	PCI
TRA-N-1088	Metering and Regulating Station at Kardia (Earth Station)		Less-Adv.	Non-PCI
TRA-N-1089	Pirot transmission capacity increase at the IP Veliki Zdenci		Less-Adv.	Non-PCI

LNG IMPORT TERMINALS

LNG-F-56	Gate terminal phase 3		FID	Non-PCI
LNG-F-136	Mussel LNG terminal	DEME	FID	Non-PCI
LNG-F-225	Upgrade of LNG terminal in Świnoujście	GAZ-SYSTEM	FID	Non-PCI
LNG-F-1119	Dunkerque LNG Terminal - Additional regasification capacity	Fluxys	FID	Non-PCI
LNG-F-136a	FSRU 1 - SMAR		FID	Non-PCI
LNG-N-767	FSRU Polish Baltic Sea Coast	GAZ-SYSTEM	Advanced	PCI
LNG-A-136a	Cyprus LNG Import Terminal (Cyprus&Gas2023)	EETYA	Advanced	PCI
LNG-A-222	LNG terminal in northern Greece / Alexandroupolis - LNG Section	Gastrade	Advanced	Non-PCI
LNG-A-225	Mostostr LNG Terminal Expansion	GAZ-SYSTEM	Advanced	Non-PCI
LNG-A-227	Rio Grande LNG Terminal Expansion		Advanced	Non-PCI
LNG-A-30c	Italy Sardinia Virtual Pipeline		Advanced	Non-PCI
LNG-A-559	Hanseatic Energy Hub (Stade)		Advanced	Non-PCI
LNG-A-139	Extension of the LNG Terminal Krk 1st phase		Advanced	Non-PCI
LNG-A-762	Gate terminal phase 4		Advanced	Non-PCI
LNG-A-972	Skulte LNG		Advanced	Non-PCI
LNG-A-1005	Thrace LNG Terminal		Advanced	Non-PCI
LNG-A-1120	Expansion of Revithoussa LNG Terminal via installation of FSU		Advanced	Non-PCI
LNG-A-1162	FSRU 2 - SMAR		Advanced	Non-PCI
LNG-A-1186	LNG Terminal Brunsbuettel	GASCADE	Advanced	Non-PCI
LNG-A-23	Krk Connection LNG Terminal Rostock		Less-Adv.	Non-PCI
LNG-N-815	LNG terminal Krk 2nd phase		Less-Adv.	Non-PCI
LNG-A-1196	Tie-In LNG Boiardo		Less-Adv.	Non-PCI

UNDERGROUND GAS STORAGE FACILITIES

UGS-F-211	Bilciurești daily withdrawal capacity increase	CONPET	FID	PCI
UGS-F-214	Enhancement at Incukalns UGS	CONEXUS	FID	PCI
UGS-F-260	System Enhancements - Stogit - onshore gas fields		FID	Non-PCI
UGS-F-267	Underground gas storage Grubava Pelje	PSG	FID	Non-PCI
UGS-F-299	Alfacsiod underground gas storage in Romania		FID	Non-PCI
UGS-A-136	UGS Chiren Expansion		Advanced	PCI
UGS-A-231	Depomures		Advanced	PCI
UGS-A-30a	Underground Gas Storage Velke Kapusany		Advanced	Non-PCI
UGS-A-211	Sarmaud underground gas storage in Romania		Less-Adv.	Non-PCI
UGS-N-395	South Kavala Underground Gas Storage facility		Less-Adv.	PCI
UGS-N-399	Fallows UGS		Less-Adv.	Non-PCI
UGS-N-406	Modernization of natural gas storage infrastr. - Balaceanca UGS		Less-Adv.	Non-PCI
UGS-N-1186	Alfacsiod UGS Enhancement		Less-Adv.	Non-PCI

NORWAY
SWEDEN
FINLAND
ESTONIA
LATVIA
LITHUANIA
RUSSIA
BELARUS
POLAND
DENMARK
IRELAND
UNITED KINGDOM
THE NETHERLANDS
BELGIUM
GERMANY
FRANCE
SWITZERLAND
AUSTRIA
CZECH REPUBLIC
SLOVAKIA
HUNGARY
ROMANIA
MOLDOVA
UKRAINE
SERBIA
BULGARIA
CROATIA
BOSNIA HERZEGOVINA
SLOVENIA
ITALY
CORSICA
SARDINIA
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SYRIA
JORDAN
IRAQ
SAUDI ARABIA
GEORGIA
ARMENIA
AZERBAIJAN
KAZAKHSTAN
TURKMENISTAN
IRAN
North Sea
Baltic Sea
Irish Sea
Atlantic Ocean
Mediterranean Sea
Black Sea
Caspian Sea
Gulf of Bothnia
Gulf of Finland
Gulf of Riga
White Sea
Ladoga Lake
Onega Lake
Sea of Azov
Aegean Sea
Ionian Sea
Adriatic Sea
Tyrrhenian Sea
Ligurian Sea
Gulf of Lion
Bay of Biscay
English Channel
Skagerrak
Kattegat
Irish Sea
Celtic Sea
Balearic Sea
MADEIRA
CANARY ISLANDS
BRUSSELS
AMSTERDAM
LUXEMBOURG
PARIS
LONDON
BERLIN
PRAGUE
VIENNA
BUDAPEST
BRATISLAVA
WARSAW
KYIV
MINSK
MOSCOW
HELSINKI
STOCKHOLM
OSLO
COPENHAGEN
ROME
MADRID
LISBON
ATHENS
SOFIA
BUCHAREST
BELGRADE
ZAGREB
SARAJEVO
LJUBLJANA
TIRANA
SKOPJE
PODGORICA
PRISTINA
ANKARA
NICOSIA
TRIPOLI
TUNIS
ALGIERS
RABAT
LA VALETTA
TBILISI
YEREVAN
BAKU
DAMASCUS
BEIRUT
AMMAN
BAGDAD
TEHRAN
JERUSALEM
Gulf of Lion
Strait of Gibraltar
Malta LNG (FSRU)
Krk LNG
Revithoussa LNG
Świnoujście LNG
Klaipeda LNG (FSRU independent)
Klaipeda LNG (FSRU)
Dunkerque LNG
Gate terminal
Zeebrugge LNG
Isle of Grain
South Hook LNG
Milford Haven
Dragon LNG
Cork
Swansea
Cardiff
Bristol Channel
Celtic Sea
Irish Sea
Dublin
Belfast
Galway
Limerick
Waterford
Cobh
Kinsale
Shannon LNG
Tarbert
Aghada
Ballylumford
Inch
Gormanston
Moneypoint
Kilroot
Coolkeeragh
Ballycronan More
Ballough
Ballinaboy
Corrib
Inishmaan
Inishkea
Inishtrahull
Donegal
Sligo
Galway
Limerick
Waterford
Cork
Kinsale
Dublin
Belfast
Derry
Letterkenny
Ballina
Castlebar
Tralee
Killarney
Wexford
Rosslare
Kilkenny
Athlone
Mullingar
Navan
Drogheda
Dundalk
Monaghan
Cavan
Longford
Roscommon
Tullamore
Portlaoise
Carlow
Naas
Wicklow
Arklow
Bray
Dun Laoghaire
Howth
Malahide
Swords
Balbriggan
Skerries
Rush
Lusk
Donabate
Portrane
Kinsale Head
Old Head of Kinsale
Mizen Head
Fastnet Rock
Slyne Head
Erris Head
Malin Head
Tory Island
Rathlin Island
Fair Isle
Shetland Islands
Orkney Islands
Hebrides
Outer Hebrides
Inner Hebrides
Scottish Mainland
Aberdeen
Dundee
Edinburgh
Glasgow
Stranraer
Ayr
Kilmarnock
Hamilton
Motherwell
Falkirk
Stirling
Perth
Inverness
Fort William
Oban
Mull
Islay
Jura
Arran
Lewis
Harris
North Uist
South Uist
Barra
Skye
Orkney
Shetland
Scapa Flow
Stromness
Kirkwall
Lerwick
Sullom Voe
Flotta
Cromarty Firth
Moray Firth
Firth of Forth
Firth of Clyde
Solway Firth
Irish Sea
North Channel
Minch
Pentland Firth
Orkney
Shetland