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TYNDP 2020
ETR
TEN-YEAR NETWORK DEVELOPMENT PLAN
ENERGY TRANSITION 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

Gas Reserve areas

- Drilling platform
- Gas field

Countries

- ENTSOG Member Countries
- ENTSOG Associated Partner
- ENTSOG Observers
- Other Countries

ENTSOG currently comprises 44 TSO members,
3 Associated Partners from 27 European Countries and 9 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 2020 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.

Version : October 2020
WGS 84 / Pseudo-Mercator projection

polaris consulting

Transport by pipeline

Pipeline diameters :
- Diameter < 600 mm
- Diameter 600 - 900 mm
- Diameter > 900mm

Project categories :
- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project identification : TRA-N-123 — ENTSOG project code

LNG Terminals and Plants

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

Project categories :
- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project identification : LNG-N-123 — 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 identification : STO-N-123 — ENTSOG project code

Compressor stations

Project categories :
- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project identification : TRA-N-123 — ENTSOG project code

Energy Transition Projects

Project categories :
- (BIOM) Biomethane developments
- (H2-SM) Hydrogen & synthetic methane
- (REV-F) Reverse flow project
- (CCS-CCU) CCS / CCU project
- (ETR) Energy Transition project of different type

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

Project identification : ETR-N-123 — ENTSOG project code

Project ENTSOG codes / color :

ETR-F-516 | CNG and L-CNG stations | sigom | FID | ETP

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

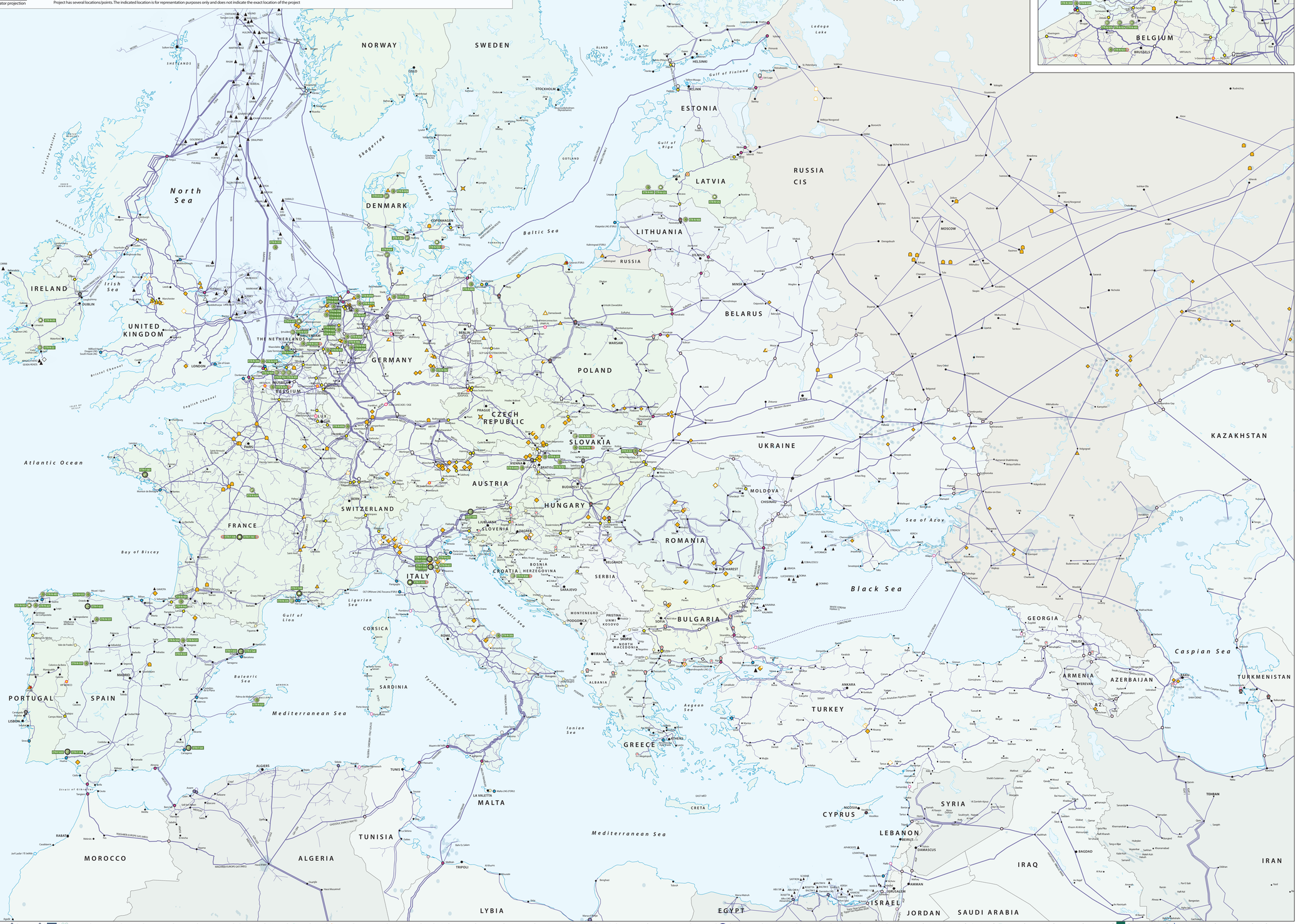
Project status codes :

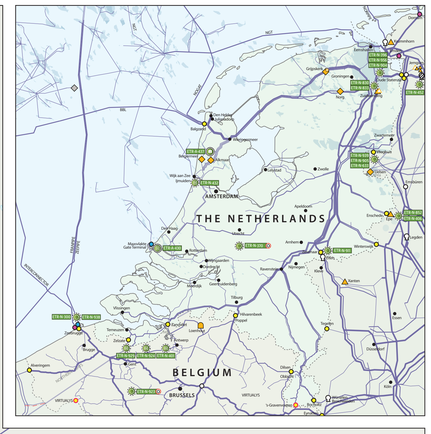
FID | Advanced | Less-Adv. | FID status (Final Investment Decision) :

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. 2026 in case of TYNDP 2020, for which projects are collected in 2020)*
- 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)*

ENERGY TRANSITION PROJECT (ETR)

ETR-F-516	CNG and L-CNG stations	sigom	FID	ETR
ETR-F-517	Biomethane plants development	sigom	FID	BIOM
ETR-F-562	CGNE: Office, hive and LABOPHYT infrastructure & logistic solutions	cngenie	FID	ETR
ETR-F-564	Jupiter 1000 Jupiter 1000 - Demonstration of Power to Gas in France	GRTgaz / Teréga	FID	H2-SM
ETR-F-565	Motor Grid Synergy	Teréga	FID	REV-F
ETR-F-658	Sector coupling hybrid compressor station	Teréga	FID	ETR
ETR-F-663	Balancing control modernisation - Transmission(ex-LNG)	Teréga	FID	ETR
ETR-F-718	Biomethane connection of prod. units & reverse flow projects	Teréga	FID	BIOM
ETR-F-719	Impulse 2025	Teréga	FID	ETR
ETR-A-36	Biomethane reverse flow Denmark	ENERGINET	Advanced	REV-F
ETR-A-111	FCC Velte Kapsularp	Nature Energy	Advanced	H2-SM
ETR-A-147	Pertimo	GRTgaz / Teréga	Advanced	BIOM
ETR-A-427	Supercritical water gasification facilities	GRTgaz / Teréga	Advanced	BIOM
ETR-N-37	BM Renewable Gas Central Grid Injection Project	Gasunie	Less-Adv.	BIOM
ETR-N-53	Erna Cern CCUS	eavis	Less-Adv.	CCS-CCU
ETR-N-54	Power to Gas Production (e. stream: building Enhancement in Lanna	conversion	Less-Adv.	H2-SM
ETR-N-55	Biomethane Production (e. stream: building Enhancement in Lanna	conversion	Less-Adv.	BIOM
ETR-N-256	Fos Tonkin LNG Terminal Evolution	elengy	Less-Adv.	ETR
ETR-N-366	Kyllbiomet Endersuge	Nature Energy	Less-Adv.	H2-SM
ETR-N-367	PEGASUS	NGT	Less-Adv.	H2-SM
ETR-N-368	Greening of Gas Grid2	Gasunie	Less-Adv.	H2-SM
ETR-N-369	GIP - Gas to Future	Gasunie	Less-Adv.	H2-SM
ETR-N-370	North Sea Wind Power Hub	GRTgaz / TenneT	Less-Adv.	H2-SM
ETR-N-371	Hydrogen transmission backbone Netherlands	GRTgaz / TenneT	Less-Adv.	H2-SM
ETR-N-372	Zipmers	BOURYON	Less-Adv.	H2-SM
ETR-N-373	AmmonGRID	Nature Energy / Nature Energy	Less-Adv.	CCS-CCU
ETR-N-374	Hydridge - gas grid infrastructure	DGE	Less-Adv.	H2-SM
ETR-N-417	P2G Integrated in Bergaxess NG Transmission Grid	Bergaxess	Less-Adv.	H2-SM
ETR-N-418	Athos	GRTgaz / Teréga	Less-Adv.	CCS-CCU
ETR-N-419	Element Eren	TERVNET / Thyssengas	Less-Adv.	H2-SM
ETR-N-420	LDSR (LNG to Decarbonised Gas)	Bayernets	Less-Adv.	H2-SM
ETR-N-556	SunDiro	Fluxys	Less-Adv.	H2-SM
ETR-N-557	Microbiopurification plants	sigom	Less-Adv.	ETR
ETR-N-558	Green Crane (Spain)	Enagas	Less-Adv.	H2-SM
ETR-N-559	Energy Park Bad Lauchstädt	VNG	Less-Adv.	H2-SM
ETR-N-560	Power to gas plant in the south of Italy	Snam	Less-Adv.	H2-SM
ETR-N-561	Transport of hydrogen into natural gas network for industrial customers	GRTgaz / Teréga	Less-Adv.	H2-SM
ETR-N-562	Renewable Methane according to NEPD020	GRTgaz / Teréga	Less-Adv.	H2-SM
ETR-N-563	Project to facilitate biomethane production plants intercom.	GRTgaz / Teréga	Less-Adv.	BIOM
ETR-N-564	Renewable Hydrogen according to NEPD020	GRTgaz / Teréga	Less-Adv.	H2-SM
ETR-N-565	Biomethane Reverse flow projects	Teréga	Less-Adv.	REV-F
ETR-N-623	SETH2 ETR 1	Advenergy / DGE	Less-Adv.	H2-SM
ETR-N-624	Green Hydrogen Hub Denmark	conversion	Less-Adv.	H2-SM
ETR-N-625	Green Hydrogen Hub Zuidwending	conversion	Less-Adv.	H2-SM
ETR-N-626	Green Hydrogen Hub Groningen	conversion	Less-Adv.	H2-SM
ETR-N-627	Green Hydrogen Hub Hyrwind	conversion	Less-Adv.	H2-SM
ETR-N-628	Green Hydrogen Hub Alkaia-Epe	conversion	Less-Adv.	H2-SM
ETR-N-629	Green Hydrogen Hub Leer	conversion	Less-Adv.	H2-SM
ETR-N-630	Green Hydrogen Hub Maasvlae	conversion	Less-Adv.	H2-SM
ETR-N-631	Green Hydrogen Hub Eiael	conversion	Less-Adv.	H2-SM
ETR-N-632	P2GMA	conversion	Less-Adv.	H2-SM
ETR-N-633	CNG filling station system development (EnviBeCam project)	enviBeCam	Less-Adv.	ETR
ETR-N-634	mosyPHI (Mosaic Sun Hydrogen Conversion)	mosyPHI	Less-Adv.	H2-SM
ETR-N-635	Hydrogen injection into the gas network in Lithuania	Ignitis / Amstrom	Less-Adv.	H2-SM
ETR-N-636	KelBis	Teréga	Less-Adv.	H2-SM
ETR-N-637	Conversion of Natural Gas pipelines to Hydrogen	GRTgaz / Teréga	Less-Adv.	H2-SM
ETR-N-638	Hydrogen export via South Stokman	GRTgaz / Teréga	Less-Adv.	H2-SM
ETR-N-639	Kingburn (NL)/ Stockholm (SE) Capacity for Hydrogen / MSP	Thyssengas	Less-Adv.	H2-SM
ETR-N-640	Drentsar (NL)/ Etzel (DE) Capacity of Hydrogen / MSP	Thyssengas	Less-Adv.	H2-SM
ETR-N-641	Hydrogen Valley - HRV turbine for a hydrogen-ready infrastructure	enbiopulse	Less-Adv.	H2-SM
ETR-N-642	Measures for achieving hydrogen blending readiness	enbiopulse	Less-Adv.	H2-SM
ETR-N-643	Measures for the reduction of methane emissions	enbiopulse	Less-Adv.	ETR
ETR-N-644	Circular economy: waste to biomethane	Snamprogetti	Less-Adv.	BIOM
ETR-N-645	Green Gas Liquid Fuel	ENERGINET	Less-Adv.	BIOM
ETR-N-646	Interconnected hydrogen network	Nature Energy	Less-Adv.	H2-SM
ETR-N-647	Power to Methanol Antwerp	Nature Energy / Nature Energy	Less-Adv.	CCS-CCU
ETR-N-648	Carbon Connect Delta	Nature Energy	Less-Adv.	CCS-CCU
ETR-N-649	H2 import Coalition	DEMIE / Nature Energy / Nature Energy / Nature Energy	Less-Adv.	H2-SM
ETR-N-650	Kilowatt Steel	DGE / Thyssengas	Less-Adv.	H2-SM
ETR-N-651	Lara Hydrogen	conversion	Less-Adv.	H2-SM
ETR-N-652	Conversion of Natural Gas Pipelines to Hydrogen Pipelines	Thyssengas	Less-Adv.	H2-SM
ETR-N-653	Non-hydrogen pipeline projects of german gas operators	Bayernets / DGE / Thyssengas	Less-Adv.	H2-SM
ETR-N-654	Hydrogen pipeline system conversion projects of german gas operators	Bayernets / DGE	Less-Adv.	H2-SM
ETR-N-655	Hydrogen export/Import Duke Statoil	GRTgaz / TenneT	Less-Adv.	H2-SM
ETR-N-656	Green Crane (Italy)	Snam	Less-Adv.	H2-SM





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