entsog

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TYNDP 2024 MAP

BIOMETHANE PROJECTS	(BIO)
RETROFITTING FOR HYDROGEN	(RET)
OTHER INFRASTRUCTURE PROJECTS	(OTH)
CO2 TRANSPORT PROJECTS	(CO2)
SYNTHETIC METHANE PROJECTS	(SYN)

BIOMETHANE DEVELOPMENT PROJECTS

BIO1-GRT	Reverse flow biomethane Denmark vol. 2	ENERGINET	Biomet	FID	Non-PCI
BIO2-GRL	Biomethane: Reverse flow projects		Biomet	FID	Non-PCI
BIO-A-1109	Biomethane productions interconnection		BIO-ALL	Advanced	Non-PCI
BIO-N-1002	Biomethane: Reverse flow capacity		Biomet	Less-Adv.	Non-PCI
BIO-N-1101	Biomethane: connection of production units		BIO-ALL	Less-Adv.	Non-PCI

OTHER INFRASTRUCTURE RELATED PROJECTS

OTH-A-1104	CS Elmo	OGE	OTH	FID	Non-PCI
OTH-A-1104	Belgian CO2 Transmission Facilities	Fluxys	OTH	Advanced	PCI
OTH-A-1423	Importar 2026		OTH	Advanced	Non-PCI
OTH-A-1661	PALOS DE LA FRONTERA / AMMONIA		OTH	Advanced	Non-PCI
OTH-A-1560	HIDLEKTRA AMMONIA		OTH	Advanced	Non-PCI
OTH-A-1162	Modernisation of compressor units		OTH	Advanced	Non-PCI
OTH-N-353	North Sea Wind Power Hub	ENERGINET	OTH	Less-Adv.	PCI
OTH-N-984	Pycasso		OTH	Less-Adv.	PCI
OTH-N-1035	PEGASUS		OTH	Less-Adv.	Non-PCI
OTH-N-405	SAVA aquifer CO2 transmission cluster		OTH	Less-Adv.	Non-PCI
OTH-N-991	DRAVA aquifer CO2 transmission cluster		OTH	Less-Adv.	Non-PCI
OTH-N-994	Dojlak aquifer CO2 transmission cluster		OTH	Less-Adv.	Non-PCI
OTH-N-778	Gas transmission methane emission reduction project		OTH	Less-Adv.	Non-PCI
OTH-N-978	GREEN MEGA METHANOL		OTH	Less-Adv.	Non-PCI
OTH-N-925	Measures for the reduction of methane emissions		OTH	Less-Adv.	Non-PCI
OTH-N-1197	Italian CO2 Network		OTH	Less-Adv.	Non-PCI
OTH-N-1197	Reduction of transmission system methane emissions		OTH	Less-Adv.	Non-PCI

RETROFITTING INFRASTRUCTURE FOR HYDROGEN (RET)

Retrofitting : infrastructure upgrades to allow hydrogen blends

RET-N-550	Smartening up existing RG gas transm. network (SmartSwitch)		Less-Adv.	Non-PCI
RET-N-641	Adjustment of existing nat.-pipeline SK-HU		Less-Adv.	Non-PCI
RET-N-972	Smartening up existing SK gas transm. network (SmartSwitch)		Less-Adv.	Non-PCI
RET-N-1069	H2NEIGHBO - Transport Network		Less-Adv.	Non-PCI
RET-N-1098	H2RHINGRID - Gernsy UDS		Less-Adv.	Non-PCI
RET-N-1186	Gas system retrofitting for 100% H2 future capability		Less-Adv.	Non-PCI
RET-N-1236	Gas Networks Ireland Hydrogen Integration (Hybrid)		Less-Adv.	Non-PCI

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 (Virtual Point)
- Cross-border interconnection point with third country (import)
- LNG Import terminal (operational)
- LNG Export terminal (operational)
- Intra-country or intra balancing zone points
- Cross-border interconnection point within Europe or export point to non-EU country *Under construction or Planned*
- Third country cross-border (Virtual Point / Import)
- Cross-border third country (import) *Under construction or Planned*
- LNG Import terminal (Under construction or planned)
- LNG Export terminal (Under construction or planned)
- Third country cross-border interconnection point

Gas Reserve areas

Gas field ▲ Drilling platform

Countries

EU Countries Other Countries

ENTSOG currently comprises 43 TSO members, 1 Associated Partner and 9 Observers from 32 European Countries

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

The projects are shown with the planning status reported in their TYNDP 2024 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 corridor, storage

Version : November 2024
WGS 84 / Pseudo-Mercator projection

Project status :

TRA-F-122 | Infrastructure Project Name | 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

Newly added project in TYNDP 2024

Project ENTSOG codes / color :

- TRA-N-000 Project is part of 1st PCI/PMI list
- TRA-N-000 Project is not part of 1st PCI/PMI list

Project status codes :

The project advancement status is based on the TYNDP project collection conducted in Nov. 2023 - Feb. 2024.

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 expected at the latest by 31 December 2029
AND the project fulfils at least one of the following criteria:
  - *Permitting phase has started ahead of the TYNDP project data collection*
  - *FID has been completed ahead of the TYNDP project data collection*

TRA	Gas transmission pipeline
LNG	Reception, storage and regasification or decompression facilities for liquefied natural gas (LNG) or compressed natural gas (CNG)
UGS	Underground storage facilities
RET	Projects for retrofitting infrastructure to further integrate hydrogen
BIO	Biomethane development projects
SYN	Synthetic methane projects
CO2	Repurposing of natural gas infrastructure for CO2 transport and/or storage
OTH	Other infrastructure related projects

Transport by pipeline

Existing infrastructure for natural gas :
- Diameter < 600 mm
- Diameter 600 - 900 mm
- Diameter > 900mm
- Not operational

Planned infrastructure for natural gas :
- Project

Biomethane projects

- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects
- PROD-BIO — Network development projects enabling biomethane production/injection into the gas grid
- REVERSE — Projects enabling the reverse transportation between DSO and TSO of biomethane

Project identification :
- ENTSOG project code

Retrofitting for hydrogen

Retrofitting : infrastructure upgrades to allow hydrogen blends
- FID projects
- Non-FID, advanced projects
- Non-FID, less-advanced projects

Project identification :
- ENTSOG project code

Storage facilities

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

Other infrastructure projects

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

Project identification :
- ENTSOG project code

CO2 transport

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

Project identification :
- ENTSOG project code

ICELAND

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