

THE EUROPEAN
NATURAL GAS NETWORK
CAPACITIES AT CROSS-BORDER POINTS ON THE PRIMARY MARKET

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.
More current information can be found at www.gas-roads.eu

ENTSOG represents 39 TSO Members and 2 Associated Partners from 24 European countries

MEMBERS

- AUSTRIA: B.G., GAS CONNECT AUSTRIA, TAG
- BELGIUM: FLUXYS
- BULGARIA: BULGARTRANS-GAZ
- CZECH REP.: ENERGINET/DIK
- FINLAND: Gasum, TIGF
- FRANCE: bayernets, EWE NETZ, GRTgaz, GVS, jorgasTransport, NOWEGA
- GERMANY: ontras, Open Grid Europe, Thyssengas
- GREECE: DESFA
- HUNGARY: gsjnk
- IRELAND: gaslink
- ITALY: EDISON, SNAM RETE GAS
- LUXEMBOURG: creos
- THE NETHERLANDS: gas transport services
- POLAND: GRZE
- PORTUGAL: REN Gasodutos
- ROMANIA: TRANS-GAZ
- SLOVAK REPUBLIC: eustream
- SLOVENIA: Plinovodi
- SPAIN: enagas
- SWEDEN: SVENSKA KRAFTNÄT, swede gas
- UNITED KINGDOM: nationalgrid, Interconnector, premier

ASSOCIATED PARTNERS

- LATVIA: LATVIJAS GAZE
- LITHUANIA: LIETUVOS DUJOS

OBSERVERS

- CROATIA: punacro
- NORWAY: GRASSCO
- SWITZERLAND: SWISSGAS

KEYS

- Virtual Trading Points
- Cross-border interconnection point within EU and with non-EU third country (export)
- Cross-border interconnection point with non-EU third country (import)
- Intra-country or intra balancing zone points
- Non-EU Cross-border interconnection point (undersea) pipeline Project interconnection
- Dockside regasification facility

- LNG Import: LNG Terminal's entry point into transmission system / Operational, LNG Terminal / Under const. or Projected, LNG Export Terminal / Operational, LNG Export Terminal / Project
- LNG Small Scale: Small scale LNG liquefaction plant / Operational, Small scale LNG liquefaction plant / Project

Table with 2 columns: Nr, Location. Row 1: 028 Tarrisio (IT) / Arnoldstein (AT). Row 2: 029 Tarrisio (IT) / Arnoldstein (AT).

System Operators: TIGF, TAG, Snam Rete Gas

Max. technical capacity in GWh/d (January 2012)

Where different Maximum Technical Capacities are defined by the neighbouring TSOs for the same Interconnection Point, the lesser rule is applied.

If capacity information is available only on one side of the border due to confidentiality reasons, the available figure is selected for publication.

- Countries: ENTSOG Member Countries, ENTSOG Associated Partner, ENTSOG Observers, Other Countries
- Gas Reserve areas: gas field, drilling platform
- Gas storage facilities: LNG Peak Shaving, Acquirer, Salt cavity - cavern, Depleted Gas field on shore / offshore, Other type
- Transport by pipeline: under 24", 24" to 36", 36" and over, - project
- Transport by tanker: LNG route, LNG route project

CROSS-BORDER INTERCONNECTION POINTS WITHIN EU

Table with 3 columns: ID, Name, Capacity. Rows include: 001 Zebrugge (Z) / HUB, 002 Zelzate, 003 Zandvliet H-gas, 004 Hivarenbeek, 005 Zandvliet L-gas (NL) // Poppel (BE), 006 1/2 Gravereen (NL) // 1/2 Gravereen (BE), 007 Obbicht (NL) // 1/2 Gravereen (BE), 008 Emmen (BE) // Lichtenbusch / Raeren (DE), 009 Bras, 010 Petange, 011 Remich, 012 Biangries Sogoo (BE) // Tarniers (V) (FR), 013 Biangries Trol (BE) // Tarniers (V) (FR), 014 Biangries (BE) // Tarniers (V) (FR), 015 Bocholtz-Bocholtz-Verschuur (Thyssen), 016 Zeevaar, 017 Winterswijk, 018 Vliegheuis, 019 Bunde (DE) // Oude Statel (NL), 020 Julianadorp (DE) // Balingard (BR), 021 Barten (BR) // LUK, 022 Morlaix, 023 Trogel, 024 Oberkappel, 025 Metelen (DE) // Oberkappel (FR), 026 Oberkappel (AT) // Balingard (DE), 027 Kiefersfelden, 028 Murfeld (AT) // Cerkas (SI), 029 Tarrisio (IT) // Arnoldstein (AT), 030 Griepaas (CH) // Passo Gries (IT), 031 Wallbach, 032 Gorizia (IT) // Sempeter (SI), 033 Rogatec, 034 Oltigang (FR) // Runderdorf (CH), 035 Larnau, 036 Bristow (FR) // Irun (ES), 037 Valença do Minho (PT) // Tui (ES)

CROSS-BORDER IMPORT POINTS WITH NON-EU COUNTRY

Table with 3 columns: ID, Name, Capacity. Rows include: 038 Badajoz (ES) // Campo Maior (PT), 039 Elund, 040 Drager, 041 Mallinow, 042 Lasow, 043 Hora Swak Katelyn (CZ) // Dvornik-Hlubok (CZ), 044 Waidhaus, 045 Cieszyń, 046 Lanzhot, 047 Baumgarten, 048 Mosonmagyaróvár, 049 Kiskundorozsma, 050 Zvornik, 051 Zidilovo, 052 Kula (BG) // Sidrakastion (GR), 053 Malkodar, 054 Negru Voda I - II - III, 055 Karkk, 056 Klemenai, 057 Sakai, 058 Csandapalota, 059 Dravazsdahealy, 060 Zebrugge LNG, 061 Teeside, 062 Isle of Grain, 063 Milford Haven, 064 Montoir de Bretagne, 065 Fos Tonkin - Fos Cavau, 066 Panagiotis, 067 Cavareze, 068 Revythoussa, 069 Barcelona, 070 Sagunto, 071 Cartagena, 072 Huelva, 073 Mugardos, 074 Bilbao, 075 Sines, 076 Tamen Link, 077 St. Fergus (Vesterled), 078 Dornum / NETRA, 080 Emden (EPT), 081 Emden (NPT)

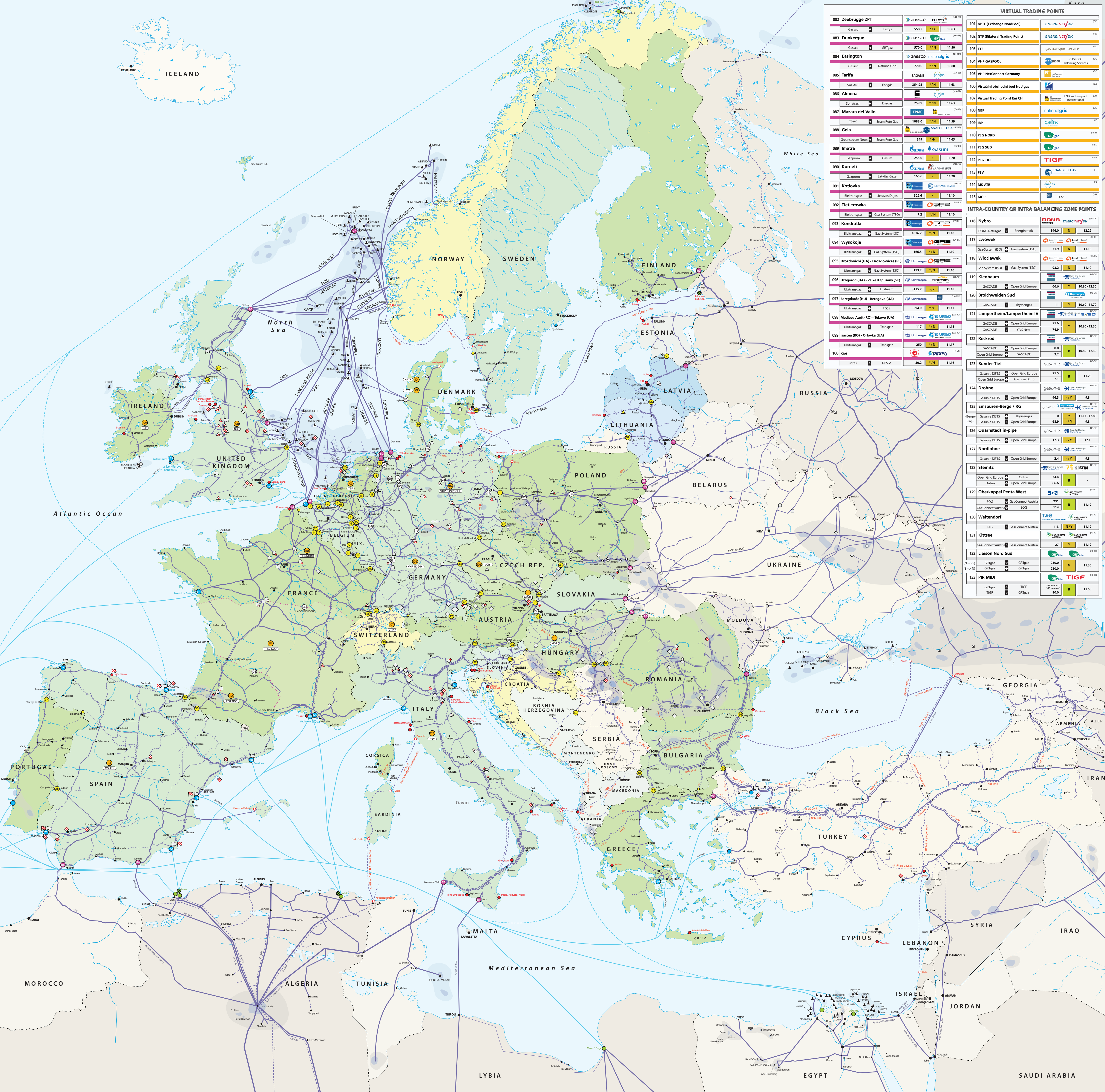


Table with 2 columns: ID, Name, Capacity. Rows include: 082 Zebrugge ZPT, 083 Dunkerque, 084 Easington, 085 Tarifa, 086 Almeria, 087 Mazara del Vallo, 088 Gela, 089 Imatra, 090 Kometi, 091 Kotlovka, 092 Tietierowka, 093 Kondratki, 094 Wysokoje, 095 Drodowice (IA) - Drodowice (PL), 096 Ustka (UA) - Vika Kapulany (SK), 097 Beregovic (HU) - Beregovic (UA), 098 Medana Aurl (RO) - Iakov (UA), 099 Iacova (RO) - Orlovka (UA), 100 Kipi

INTRA-COUNTRY OR INTRA BALANCING ZONE POINTS

Table with 2 columns: ID, Name, Capacity. Rows include: 101 NPT (Exchange NordPool), 102 GTT (Bilateral Trading Point), 103 TTF, 104 VPP GASPOOL, 105 VPP NetConnect Germany, 106 Virtuali obchodni bod NetGas, 107 Virtual Trading Point EN CH, 108 NBP, 109 BP, 110 PEG NORD, 111 PEG SUD, 112 TIGF, 113 PTV, 114 MS-AT, 115 MGP, 116 Nybro, 117 Lwówek, 118 Włodawek, 119 Włodawek, 120 Breichweiden Süd, 121 Lampertshaus/Lampertshaus IV, 122 Reckrod, 123 Bunder-Tief, 124 Drohne, 125 Emsbüren-Berge / RG, 126 Quarstedt in-pipe, 127 Nordhorne, 128 Steinitz, 129 Oberkappel Penta West, 130 Weilerndorf, 131 Kitzsee, 132 Liaison Nord Sud, 133 PIR MIDI