Interconnected network of Med-TSO 2024

Med-TSO MEDITERRANEAN TRANSMISSION SYSTEM OPERATORS

entsoe

Co-funded by the European Union

As of 20/11/2024

0 50 100 200 300 400 500 km

Scale: 1:3.000.000

Lines and cables

Different voltages (colours)

- 750 kV transmission line
- 500 kV transmission line
- 380-400 kV transmission line
- 220-230 kV transmission line
- 150 kV transmission line
- 110-132 kV transmission line
- DC line

Different circuits (for all voltages) under operation

- 1 circuit
- Double circuit
- Double circuit with 1 circuit mounted
- On 3 circuits

Additional information for all lines and voltages

- Under construction (dashed)
- Underground (for onshore lines and cables)

Other elements

- Connection line
- Phase shifter, under construction
- Substation, under construction
- Substations
- Converter Station Back-to-back
- Substations + Power Plants
- Interconnection

NGC threshold in MW

Net Generating Capacity threshold in combination with NGC (Net Generating Capacity) equal or higher than the values indicated in the following table are displayed on the map even if they are not connected to the high-voltage network. CHP (Combined Heat & Power) classification (coal, natural gas, biomass...) is based on main fuel. The third column of the table indicates whether CHPs are included or not.

Country	CHPs included	Non renewable	Renewable	Country	CHPs included	Non renewable	Renewable
Albania	yes	50	10	Lithuania	yes	50	10
Algeria	no	60	15	Lebanon	n.a.	15	7
Andorra	n.a.	10	5	Libya	n.a.	75	10
Austria	n.a.	50	20	Luxembourg	yes	100	50
Azerbaijan	n.a.	n.a.	n.a.	Moldova	n.a.	n.a.	n.a.
Belgium	yes	100	10	Montenegro	n.a.	15	5
Bosnia & Herzegovina	yes	100	30	Morocco	n.a.	100	20
Bulgaria	yes	75	60	Palestinian Authority	n.a.	n.a.	n.a.
Croatia	n.a.	50	10	Poland	n.a.	n.a.	n.a.
Cyprus	n.a.	100	10	Portugal	n.a.	n.a.	n.a.
Czech Republic	no	250	30	Romania	yes	200	25
Denmark	yes	100	10	Serbia	yes	100	23
France	yes	150	30	Slovak Republic	yes	100	10
GB (England)	yes	30	30	Slovenia	yes	30	10
Georgia	n.a.	50	10	Spain	no	45	50
Germany	yes	200	100	Switzerland	n.a.	100	10
Greece	yes	100	20	Syria	n.a.	n.a.	n.a.
Hungary	yes	50	10	The Netherlands	no	100	50
Iran	n.a.	n.a.	n.a.	Turkey	yes	50	10
Iraq	n.a.	n.a.	n.a.	Northern Macedonia			
Ireland	n.a.	n.a.	n.a.	Ukraine	n.a.	10	10
Israel	n.a.	n.a.	n.a.	Tunisia	yes	100	50
Italy	n.a.	60	5	Ukraine	n.a.	n.a.	n.a.
Jordan	n.a.	60	5				

Power systems

- Med-TSO members
- Med-TSO / ENTSO-E members
- Med-TSO member / ENTSO-E observer

Power plants

Symbols for under operation and under construction

- Biogas
- Biomass
- Brown coal/Lignite
- Coal derived gas
- Fossil fuel
- Fossil gas
- Fossil oil
- Fossil peat
- Geothermal
- Hydro pure
- Hydro marine
- Hydro mixed pump storage
- Hydro mixed excluding storage
- Hydro pure storage
- Hydro run of river & pondage
- Mixed fuels
- Nuclear
- Oil shale
- Other fossil fuels
- Other or not listed
- Peat
- Solar photovoltaic
- Solar thermic
- Waste
- Waste (non renewable)
- Waste (renewable)
- Wind farm

New interconnections at 2030 (Med-TSO Masterplan 2022)

- Morocco - Spain
- Algeria - Spain
- Italy - Tunisia
- Greece - Israel
- Cyprus - Israel
- Palestine - Jordan

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