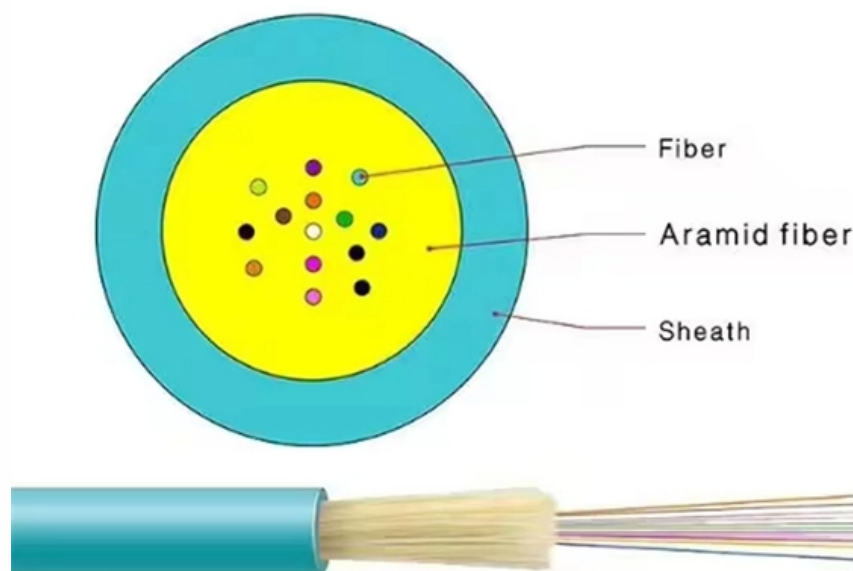


# Energy Interconnection in Eastern Europe





## Overview

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At a time when Europe is redefining its energy architecture and Ukraine continues to fight for energy security in the face of Russian aggression, a strategic initiative coordinated between five regional operators—Greece (DESFA), Bulgaria (Bulgartransgaz), Romania (Transgaz), Moldova. Ember's Europe Electricity Interconnection data tool allows users to explore the use (flows) and potential (capacity) of the cross-border transmission grid across European and neighbouring countries. This study evaluates the transmission requirements for interconnection of the European electricity network for the years 2030 and 2040. Using the capacity expansion module of the METIS model, calibrated to the TYNDP 2024 National Trends scenario, we identify beneficial interconnector expansion for.



## Energy Interconnection in Eastern Europe

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### The Eastern Mediterranean as a Focus for the EU's Energy Transition

Offshore natural gas imports from the Eastern Mediterranean are losing relevance in favour of the region's prospects for contributing to the EU's emerging green energy economy. In view of Europe's

### Electricity and gas prices across Europe: Which

Electricity and natural gas prices for households have diverged sharply across Europe in 2025, with some countries facing bills several times



### Here's how Central Eastern Europe can make the energy transition

A responsible strategy for energy transition in Central Eastern Europe must also take into account fossil fuel demand and energy security.

### Europe Electricity Interconnection Data Tool

Introduction This document provides the general public with examples and instructions on how to use Ember's Europe Interconnection Data Tool.

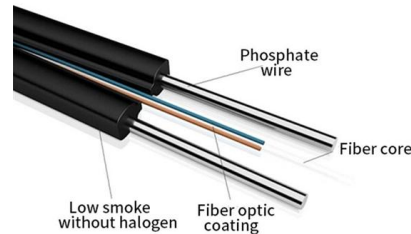


### Power in Unity

This is where electricity grids come in, with a special role for cross-border interconnectors in the European context. The present moment is a crucial opportunity to plan how Europe's energy

### Eastern Europe's energy crossroads: Investment,

This panel made it clear that the path to a secure, clean, and resilient power system in Eastern Europe depends on increased investment, clear regulation, long-term



### Power in Unity

State of Play Europe must double its current interconnection capacity over the next ten to fifteen years to deliver on its energy targets and the climate neutrality objective. Current interconnection expansion



## Breaking Borders: Europe's Energy Future Lies In

Interconnection is the vital missing piece in Europe's renewable energy puzzle. Expanding cross-border electricity exchange will be critical to



### Europe Electricity Interconnection Data Tool , Ember

Ember's Europe Electricity Interconnection data tool allows users to explore the use (flows) and potential (capacity) of the cross-border transmission grid across European and

### SEE ENERGY BRIEF

This Monthly Analysis focuses on the latest developments concerning the ongoing and planned electricity interconnections in the wider SE European region, highlighting their importance, in parallel



### Europe Electricity Interconnection Data Tool , Ember

Data on electricity use (flows) and potential (capacity) of the cross-border transmission grid across Europe and neighbouring countries.





## Electricity interconnection targets

To achieve its climate and energy goals, Europe needs to improve cross-border electricity interconnections. Connecting Europe's electricity systems will allow the



## Breaking borders The future of Europe's electricity is in

About This page provides an overview of electricity interconnection in Europe and the benefits it brings to the system. It examines the level of cross-border exchange capacity required

## Connecting energy infrastructure in the EU

Find out how the EU plans to strengthen its energy infrastructure and cross-border interconnections with its TEN-E policy, the grids package and the Connecting



## Go Net Zero Energy Central & Eastern Europe Summit

Find out how Go Net Zero Energy Central & Eastern Europe is driving innovation and progress in energy conservation and sustainability.



## Secretary Wright Signs Agreements To Grow American LNG Exports

U.S. Secretary of Energy Chris Wright joined U.S. officials and American companies at the Three Seas Initiative (3SI) Summit today in announcing billions of dollars of private capital

LoRa handheld portable base station



## Programme , WindEurope Annual Event 2026

14:30 Fighting dis- and misinformation on wind energy 14:30 - 15:30 N101, N102 No conference pass required

## The interconnection needs of the European electricity system

The study focuses on the electricity component of the Trans-European Networks for Energy (TEN-E) policy, which aims to interconnect the EU's energy networks, strengthen cohesion and develop



## Interconnection of European Energy Networks,

Cross-border electricity trading lowers energy costs and increases market efficiency, encouraging investment in renewable energy projects.



## Energising eastern Europe: How the EU can enhance

The Energy Community's main objective is to extend the principles and rules of the EU's internal energy market to the countries of eastern Europe,



## The Merit Order and Price-Setting

marginal technology units in the merit order, setting the price in the electricity market. For this reason, many have questioned the functioning of electricity markets and called for the decoupling of gas and

## Electricity and gas prices across Europe: How does your

Residential end-user electricity and gas prices vary widely across European capitals. When adjusted for PPS, country rankings shift significantly.



## New Energy Corridor for Eastern Europe

The initiative supports an older idea - the Vertical Corridor, designed to connect Southern Europe (via Greece) with its North and East (Bulgaria,



## Electricity interconnection targets

Connecting Europe's electricity systems will boost energy security and integrate more renewables in to energy markets.



## Baltic Energy Market Interconnection Plan

The link between the Baltic Sea region and Central-Eastern Europe was completed in 2022 with the interconnection between Poland and Slovakia.

## Development of the interconnected power grid in Europe and

In the eastern European countries near the Baltic Sea, the 330 kV voltage level is still reserved, as their power grid system is part of the former unified electric power system of the Soviet



## Contact Us

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