



ZTP Thermal & Power

Southern European Energy Internet Platform





Overview

SERENA is a dynamic platform bringing together experts, organizations, and institutions in the field of renewable energy in the Southeast Europe region. Wednesday, 17 June, 2026, Sofia Balkan Hotel, Sofia, Bulgaria April 29, 2026, B & E Goulandris Foundation, Eratosthenous 13, 116 35 Athens As the Middle East War continues unabated Europe Is Confronted with Its Worst Energy Crisis, with the EU Unable to Formulate Cohesive Response The Israel-Egypt. The South East Europe region will need to replace more than 30% of its current fossil fuel generation capacity by the end of 2030, and more than 95% by 2050, according to the long-term energy policy of the European Union. Power systems in Southeast Europe (SEE), being largely dependent on lignite-fired electricity, will also undergo dramatic change. By 2030, renewables will be responsible for some 50% of power output in SEE, with wind and solar accounting for two-thirds of this generation.



Southern European Energy Internet Platform

? Electricity prices Europe -- euenergy

This website provides free access to the latest electricity prices in Europe for the day-ahead segment. During the ongoing energy crisis in Europe, we all need free and easy access to the

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Development of European Energy Internet and the role of Energy

The later appeared concept of "energy Internet" expanded the scope from "smart grid," by further connecting other energy networks, such as heat, fuel, and transportation, with power grids,

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Development and Prospect of Key Technologies of Energy Internet

Firstly, the essential concept and main features of the energy Internet are expounded. Secondly, according to the basic framework of the Energy Internet and the key technologies of the

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Grid Map

ENTSO-E Transmission System Map This map is a comprehensive illustration of the transmission system network operated by members of the European Network of Transmission System Operators.

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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

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Early Experience of the Energy Internet: A Review of

A demonstration is an essential process that ensures a successful transition from an innovative idea to a successful product. As an energy ecosystem, the energy

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SSE Renewables completes acquisition of European renewable energy

The acquisition marks entry by SSE Renewables into Southern Europe, building on its successful renewables business in the UK and Ireland where it owns and operates 4GW of

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Mission and Vision

It is fair to say that, IENE after ten years of uninterrupted operation already provides a suitable platform for the discussion and analysis of the crucial energy and environmental issues which confront the

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SESA

Smart Energy Solutions for Africa (SESA) is a collaborative project between the European Union and nine African countries (Ghana, Kenya, Malawi, Morocco,

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Trans-European Networks for Energy

The Trans-European Networks for Energy (TEN-E) policy is a long-standing EU instrument



for connecting EU countries' energy networks. To help

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Digitalising the EU energy system

Interoperable and open digital solutions, as well as data sovereignty, are key to the digital transformation of the energy system.

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Internet of energy (IoE) adoption for a secure semi-decentralized

Reliable transfer needs an effective and secure energy routing algorithm. This research outlines an innovative algorithm to manage routing communication securely and minimize processing

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EDDIE

EDDIE's innovative approach significantly reduces data integration costs, allowing energy service companies to operate and compete seamlessly in a unified European market. This not only

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Global Gateway to scale up energy security in Southern and Eastern

The Scaling up renewables campaign in Africa is a global campaign launched by the European Commission and the Republic of South Africa together with Global Citizen to mobilise

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Action Plan for the Regional Energy Platform for South



The Regional Energy Platform for South-East Europe has agreed an Action Plan which will guide next steps of diversification and security of supply.

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Development of European Energy Internet and the role of Energy

Then some demo projects of Global Power & Energy Internet developments are illustrated. Finally conclusions are drawn to show the future directions of European global power & energy internet

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Energy Internet: Redefinition and categories

Energy Internet (EI) is an energy ecosystem, with physical layer, information layer and value layer combining energy and carbon emission flows, in

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Institute of Energy for South-East Europe

Closely monitoring the performance and further development of electricity and gas markets in SE Europe. The Institute has a number of main Programmes running and producing useful results and

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The Southeast European power system in 2030

Energy systems in Europe are undergoing a fundamental transformation. As fossil fuels are increasingly phased out, renewables and

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Digital platforms across the European regional energy markets

This section presents some examples of EU platforms included in the database in order



to better grasp how platforms operate in the energy sector, and how they link energy to new sectors

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South East Electricity Roadmap (SEERMAP) Report

The South East Europe region will need to replace more than 30% of its current fossil fuel generation capacity by the end of 2030, and more than 95% by 2050, according to the long-term energy policy

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ETIP SNET VISION 2050 , ETIP SNET

Implementing the ETIP SNET Vision 2050 will require major investments for the large-scale deployment of energy conversion and storage devices, the upgrade

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South Europe Renewable Energy Network - SERENA

Why is renewable energy important? Renewable energy, including solar, wind, geothermal, hydroelectric, and biomass sources, holds paramount importance for

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Development of European Energy Internet and the role of Energy

In this Chapter, the novel concept and framework of Global Power & Energy are proposed. The integration and interactions at various levels in Global Power & Energy Internet are explained

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South Europe Renewable Energy Network - SERENA

SERENA is a dynamic platform bringing together experts, organizations, and institutions



in the field of renewable energy in the Southeast Europe region. Our

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