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Common European-scale

Energy Artificial Intelligence

Federated

Testing and Experimentation Facility

About

EnerTEF pioneers a Common Federated **AI Testing and Experimentation** Facility to bridge the gap between demand and limited availability of rigorously tested AI products. Aligned with **European Commission initiatives**, it leverages foundational projects like the Common European Energy Data Space and AIoD. The project's primary goal is to establish a **Common European-scale Energy AI Federated TEF**, facilitating extensive adaptation, validation, and upscale of AI tools and services across the energy sector. The project's network of **five primary nodes**, complemented by **three satellites**, ensures a comprehensive approach to testing **AI-based technologies** in real-world operational environments.

News

EnerTEF HomePage is Online

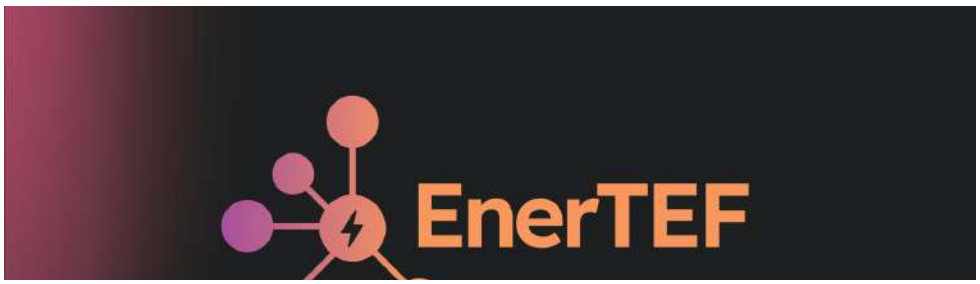
Visit our website to discover how EnerTEF is driving innovation in AI for the energy sector. Explore our vision for sustainability, efficiency, and intelligent energy solutions. Learn more about our advanced AI testing services and collaborative approach.

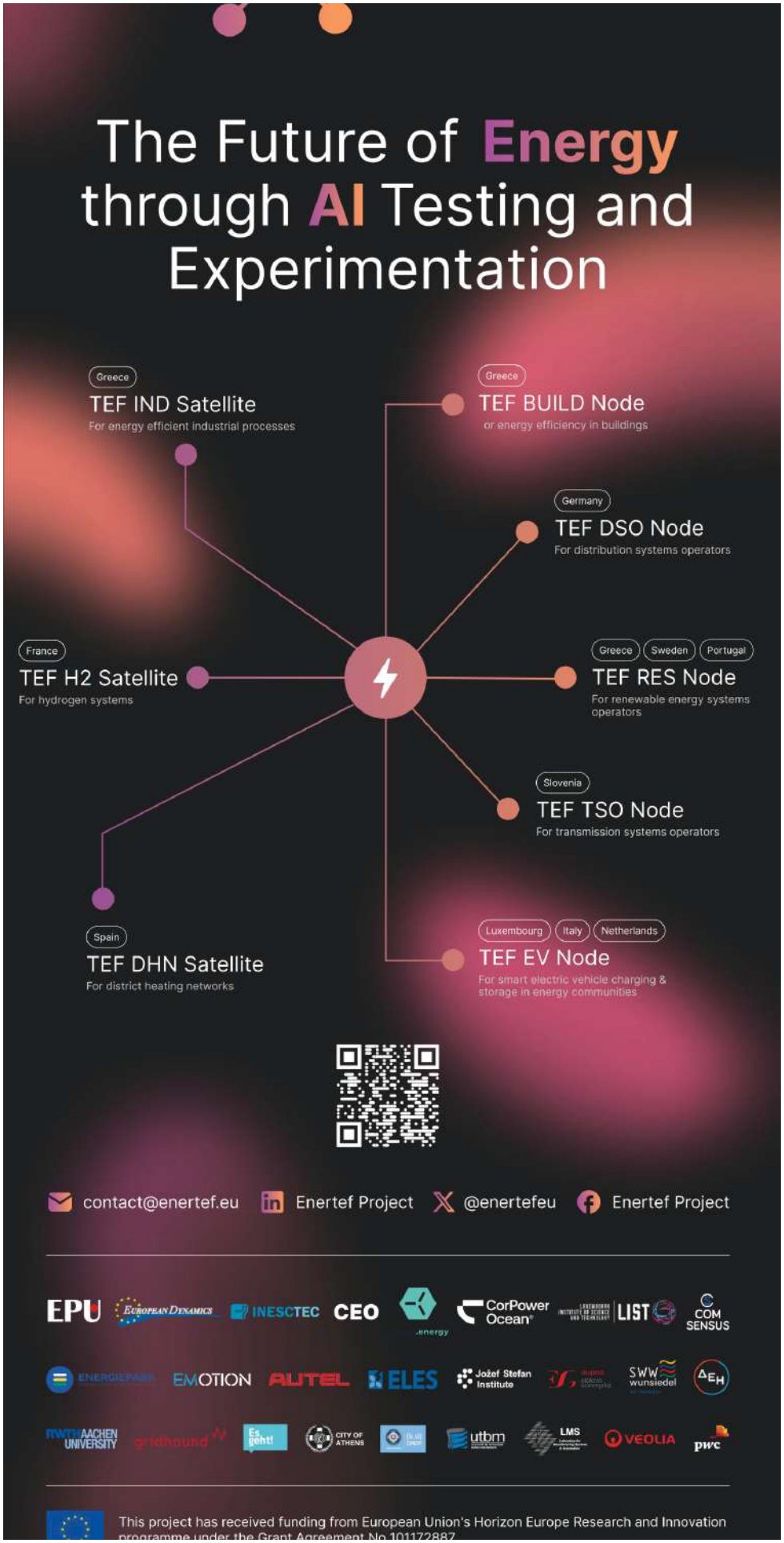
Don't miss out Our New Website Click Here!

Communication Material

EnerTEF Logo Variations

EnerTEF Roll-Up Banner




The Future of Energy through AI Testing and Experimentation
Greece
TEF IND Satellite
For energy efficient industrial processes
Greece
TEF BUILD Node
or energy efficiency in buildings
Germany
TEF DSO Node
For distribution systems operators
France
TEF H2 Satellite
For hydrogen systems
Greece
Sweden
Portugal
TEF RES Node
For renewable energy systems operators
Slovenia
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For transmission systems operators
Spain
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Enertef Project
This project has received funding from European Union's Horizon Europe Research and Innovation programme under the Grant Agreement No 101172887

Social Media Banners

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Past Events

Workshop in Ministry of Justice

15 October 2024

Athens / Greece

The Think Tank for the Modernization of Justice (O.P.E.D.) organized a scientific workshop titled *"Artificial Intelligence, Digital Transformation, and New Technologies in the Functioning of Justice."* Our Project Coordinator, Vangelis Marinakis (NTUA), participated in the event. The event took place at the "Lambros Margaritis" Amphitheater of the Ministry of Justice.

1st Project Meeting in Athens

26–27 November 2024

Athens / Greece

We officially kicked off the Common European-scale Energy Artificial Intelligence Federated Testing and Experimentation Facility (EnerTEF) project at Airotel Parthenon. It was an inspiring meeting of consortium members, with leading organizations and institutions coming together

to shape the future of AI in the energy sector. During the session, we engaged in an enriching exchange of ideas, outlining both the challenges ahead and the exciting opportunities that will shape the project's future.

Datamite Meetup Event

6 February 2025

Athens / Greece

On behalf of the DATAMITE project, the event at IT Innovation Center of OTE Group brought together researchers and industry professionals involved in EU-funded projects for insightful discussions, networking, and collaboration. EnerTEF participated alongside Crete Valley, DEDALUS, DigiBUILD, Enpower, FORTESIE, HedgeIoT, META BUILD, and ENERGATE.

Municipality of Athens Event

26 February 2025

Athens / Greece

The programme “Climate Neutrality and Resilient Athens: Green and Blue Interventions in the City in the Age of the Climate Crisis” organized by the Municipality of Athens included a workshop from 09:30 to 12:00 EET, where Elissaios Sarmas (NTUA) presented the EnerTEF project.

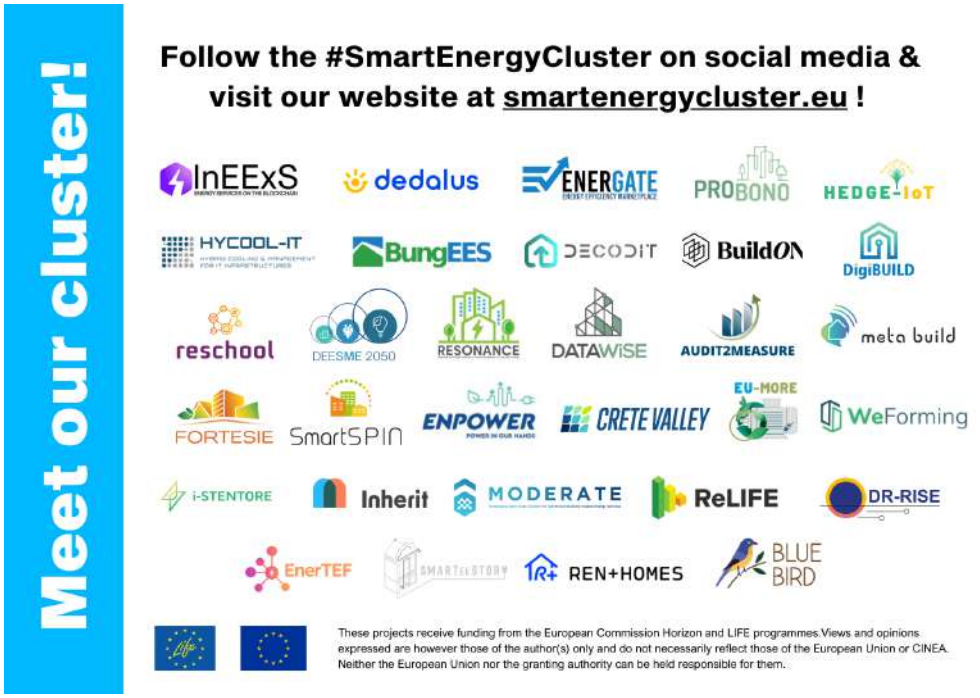
BRIDGE General Assembly

25–26 March 2025

Brussels / Belgium

EnerTEF is pleased to announce its participation in this important gathering, the BRIDGE EU General Assembly, a hybrid event (online and in Belgium), aligning its AI experimentation efforts with broader European strategies for digitalization and the energy transition. The event provides a platform to explore collaboration and funding opportunities for market-ready AI solutions, facilitating their wider deployment across Europe.

Upcoming Events



3rd Collaboration Workshop

16 April 2025

Online

EnerTEF will deliver a presentation for the Smart Energy Cluster 3rd Collaboration Workshop from 10:00 to 11:30 CET, providing an overview of the project and discuss potential collaborative opportunities, particularly joint activities for the upcoming Sixteenth International Conference on Information, Intelligence, Systems and Applications (IISA 2025). The event will be online.

IISA Conference 2025

10–12 July 2025

Mytilene / Greece

EnerTEF will participate in a collaborative workshop at 16th International Conference on Information, Intelligence, Systems and Applications (IISA 2025), alongside leading Smart Energy Cluster projects, including Crete Valley, BuildON, and ENPOWER, exploring next-generation AI technologies transforming the energy sector. Key topics will include AI-driven energy optimization, decentralized energy trading, quantum machine learning, and more.

Our Partners

This project has received funding from European Union's Horizon Europe Research and Innovation programme under the Grant Agreement No 101172887.

EnerTEF

Athens, Athens
Greece

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