

# ENFLATE PROJECT NEWSLETTER



## GOALS & TARGETS

The ENFLATE project aims at the flexibilization of Energy markets from TSOs down to end-consumers, using new and smart technologies to provide clean and easy-to-use solutions for the decarbonisation of the electricity market. The goals are aligned with the European Commission’s policy framework (i.e., Clean Energy Package, FiT 55), seeking to decarbonise the energy system, encouraging the electrification of heat and transport, as well as the connection of more clean but intermittent generation.

## ENFLATE GOES LIVE AT ENLIT EUROPE 2025

This November, ENFLATE will be taking to the stage at ENLIT Europe 2025 to demonstrate how innovative energy solutions are being implemented in practice. The project will present tangible results from its pilot schemes in Switzerland and Sweden under the theme “Optimising Energy Consumption in Public Transport and Domestic Cross-Vector Flexibility – Swiss and Swedish Demo Cases”. Attendees will learn how ENFLATE promotes energy flexibility across sectors via digital platforms and community engagement. The project’s multi-country pilots encourage prosumers to participate in peer-to-peer energy markets, thereby advancing sector coupling and consumer-centric clean energy transitions. Dr Antonios Lalas (CERTH) and Dr Érika Mata (IVL Swedish Environmental Research Institute) will share the latest insights on energy flexibility, innovation and Europe’s green transition. Our partner from HSLU will also unveil a new publication, adding another dimension to the ENFLATE story.

Visit the Energy Nexus Cluster Stand to discover the latest trends, gain key insights, and connect with experts leading the clean energy transition.

### WHAT’S INSIDE?

Goals & Targets.....	1
ENFLATE goes live .....	1
Minds behind ENFLATE.....	2
ENFLATE Webinar .....	2
ENFLATE @ Events.....	3
Contact.....	3

### PROJECT DETAILS

**Timeframe:** September 2022 - August 2026

**Budget:** €14,314,162.00

**HORIZON EUROPE—  
Innovative Actions:**  
€ 7,686,305.00



Co-funded by  
the European Union



<https://www.linkedin.com/showcase/enflate/>



<https://twitter.com/enflateproject>



<https://www.youtube.com/@enflate5366>

## Meet The Minds Behind ENFLATE

**Publication series:** In this series, we introduce ENFLATE experts who are shaping the energy transition in Europe through research, innovation and practical solutions. Below, we present their latest publications and contributions to the development of flexible, sustainable energy systems.

**Loss Prevention Symposium: Stefan Spitzer** from the European Institute of Innovation and Technology recently presented his research on hydrogen carrier safety at the Loss Prevention Symposium in Bologna. His study, 'Risks from Hydrogen Carriers: Safety Characteristics of the LOHC System Toluene/Methylcyclohexane', emphasises the importance of safe handling practices when using the same tanks for both substances.

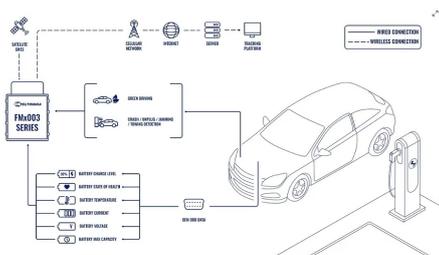
**EEM25 – 21st European Energy Market Conference:** At the EEM25 conference in Lisbon, ENFLATE expert **Joëlle Clot** presented her research on household flexibility and local electricity markets. She offered innovative approaches to grid stability and demand optimization. This work highlights ENFLATE's commitment to creating smarter, more flexible energy systems.

**EEEIC 2025 Conference:** At the conference in Crete, **Katerina Drivakou**, an expert from the ENFLATE project, presented her research on EU policies that promote grid flexibility. She offered insights into creating smarter, more adaptable energy systems across Europe. **Maria Fotopoulou** (CERTH) also chaired a panel on distributed energy resources, storage and smart grids. As moderator, she presented the ENFLATE project, highlighting its European demonstration sites, digital twin architecture, consumer-focused flexibility markets, and synergies with Horizon projects such as OneNet, CoordiNet, SmartNet, and INTERFACE.

## Driving the Future: ENFLATE Webinar Showcases Intelligent and Sustainable Mobility

On 17 September, ENFLATE showcased AI-driven fleets, wireless EV charging and data-powered insights. These innovations are the development of intelligent, sustainable and efficient European mobility.

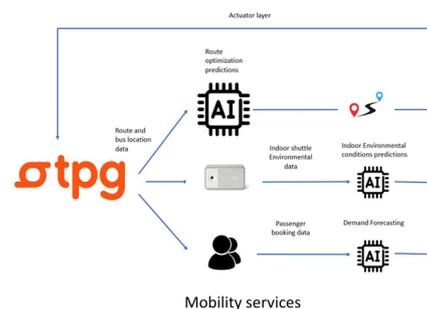
INTIS is developing a wireless charging system that enables electric vehicles to power up automatically simply by stopping above a coil in the road. The system is efficient and unobtrusive, and can be used by cars, buses and fleets alike. For ENFLATE, this means lower costs, healthier batteries and smarter infrastructure that can connect vehicles to the energygrid, making electric mobility more reliable and convenient.



Teltonika is helping fleets meet stricter EU CO<sub>2</sub> rules with smart management solutions that cut fuel use by 10–15%, lower emissions, and improve safety. With millions of devices already in use, their eco-

driving technology can save operators significant costs while supporting compliance with new regulations such as LSWA III in Switzerland. For ENFLATE, these tools are key to making logistics cleaner, more efficient, and better prepared for the future of sustainable transport.

CERTH presented its work on optimising energy use in public transport through the use of advanced AI and digital twin technologies. In Geneva, their system ensures that electric shuttles serve passengers on time while minimising energy consumption by scheduling smart charging and maintaining healthy batteries. Real-time dashboards and forecasting tools support drivers and fleet operators in making efficient route decisions and saving energy. These solutions are essential for demonstrating how intelligent mobility services can reduce costs and make on-demand transport more sustainable and reliable in the ENFLATE project.





## 2nd Review Meeting in Gothenburg

Our second review meeting took place in Gothenburg, Sweden. During the two-day meeting, project partners presented updates from the six demonstration sites in Skiathos, Appenzell, Láchar, Kungsbacka, Sofia and Geneva. They highlighted innovations such as consumer-driven market tools, cross-vector flexibility mechanisms and non-energy services in healthcare and mobility. During a site visit to EKSTA's smart district heating system in Kungsbacka, we saw real-world examples of flexibility and sustainable infrastructure, including central boilers, pellet silos, a live dashboard for residents and a hybrid energy setup that supplies 300 flats and 90 houses with solar panels.

## 6th Plenary Meeting in Thessaloniki

We are delighted to announce that the EN-FLATE consortium's sixth plenary meeting will take place on 3 and 4 November 2025 in Thessaloniki, Greece. This two-day event will bring together all project partners to review progress on each work package, share insights on technical developments, and discuss updates from the pilot sites.



NOVA (Greece) - Coordinator

UBITECH ENERGY (Belgium)

ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS (Greece)

ARTELYS (France)

FUNDACION CARTIF (Spain)

ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON (Greece)

EUROPAISCHES INSTITUT FÜR INNOVATION - TECHNOLOGIE EV (Germany)

REGULATORY AUTHORITY FOR ENERGY (RYTHMISTIKI ARHI ENERGIAS) (Greece)

DIACHEIRISTIS ELLINIKOU DIKTYOU DIANOMIS ELEKTRIKIS ENERGEIAS AE (Greece)

INDEPENDENT POWER TRANSMISSION OPERATOR SA (Greece)

UNIVERSITY OF PIRAEUS RESEARCH CENTER (Greece)

DIMOS SKIATHOU (Greece)

EPEX SPOT (France)

MONTAJES ELECTRICOS CUERVA S.L. (Spain)

TURNING TABLES SOCIEDAD LIMITADA (Spain)

AYUNTAMIENTO DE LACHAR (Spain)

EKSTA BOSTADSAKTIEBOLAG (Sweden)

IVL SVENSKA MILJÖINSTITUTET AB (Sweden)

NODAIS AB (Sweden)

BLOKS ZDRAVNI I SOTSIALNI GRIZHI EOOD (Bulgaria)

YUGOIZTOCHNOEVROPEYSKA TEHNOLOGICHNA KOMPANIA OOD (Bulgaria)

ELECTRODISTRIBUTION GRID WEST AD (Bulgaria)

ELEKTROENERGIEN SISTEMEN OPERATOR EAD (Bulgaria)

FACHHOCHSCHULE ZENTRALSCHWEIZ - HOCHSCHULE LUZERN (Switzerland)

ST. GALLISCH-APPENZELISCHE KRAFTWERKE AG (Switzerland)

CENTRALSCHWEIZERISCHE KRAFTWERKE AG (Switzerland)

TRANSPORTS PUBLICS GENEVOIS (Switzerland)

UNIVERSITE DE GENEVE (Switzerland)

Hitachi ABB Power Grids Ltd. (Switzerland)

TECH INSPIRE LTD (United KINGDOM)

### Contact us:

[info@enflateproject.com](mailto:info@enflateproject.com)