News**letter** #1

January 2026 Edition

ENERGENIUS
Smart Energy Solutions for a Better Tomorrow
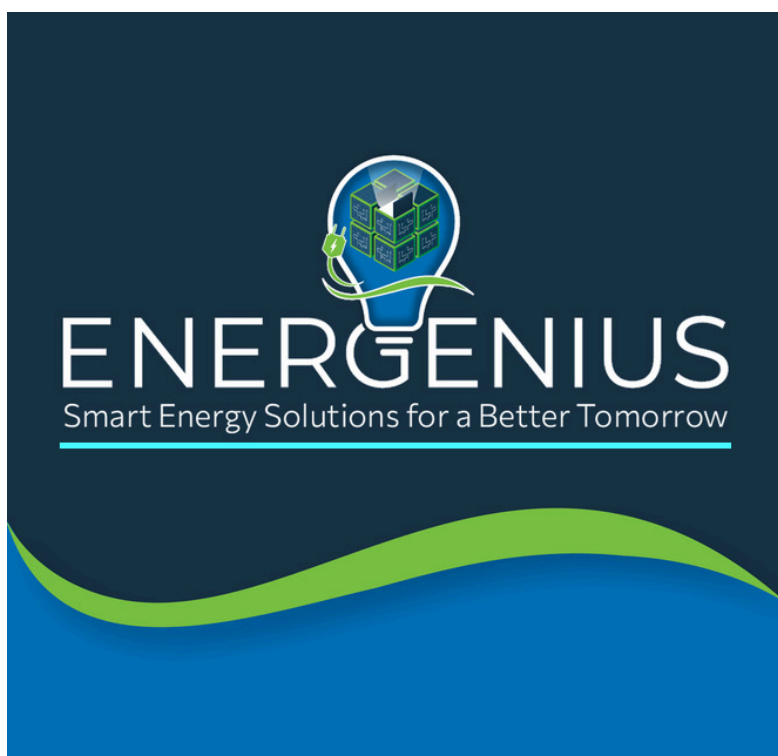
Innovation Pillars

- **AI - Powered Guidance**
- **Gamified Learning**
- **Digital Twins for Buildings**
- **Community Engagement**

ABOUT

ENERGENIUS is a Horizon Europe project empowering people to understand, learn, and actively shape their energy choices accelerating the green energy transition, towards a more inclusive and sustainable future.

PARTNERS

ENERGENIUS brings together 17 partners across 10 EU countries and validates its solutions through 10 demonstration sites using the Leaders–Learners–Listeners (3L) methodology.

VISION

Enabling **every citizen** to save energy and make sustainable choices across energy and daily life, by using smart digital experiences that turn cross-sector data into meaningful actions.
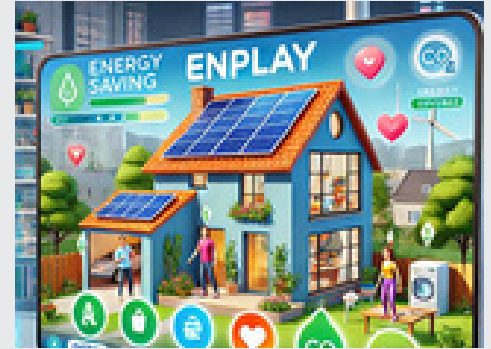
Core Tools at a Glance

S2DT Scan to Digital Twin

The quick and user-friendly tool to **create 3D models** of living spaces in less than 5 minutes to achieve better energy management.
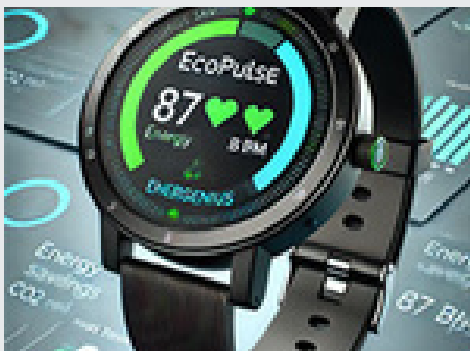

GURU AI Advisor

The **AI-powered Decission Support System** with personalized guidance for energy savings & renewable investments.

EN PLAY Gamified Experience

Learn **to save energy by playing,** testing energy strategies in a fun, interactive environment and play into user's premises with S2DT.

EcoPulse Smartwatch

A wearable that tracks your health metrics and delivers smart notifications and alerts, seamlessly connected with energy insights.

PANORAMA Dashboard

Visualizing energy use, CO_2, savings and **efficiency impacts** in real time from EU-level benchmarks to pilot-level performance.

ENMARKT Marketplace

A vibrant **marketplace** where users **redeem ENERGENIUS Coins** for sustainable products and services, inspiring eco-friendly actions.

Tools Prototypes

EN PLAY

A hands-on and ready to play prototype of ENPLAY that turns energy decisions into player's actions. Including the Survival mode experience.

Modular systems, dynamic events, upgrades and S2DT-generated environments keep the game adaptive, engaging and user-driven.

GURU
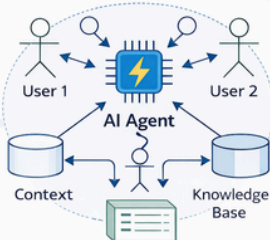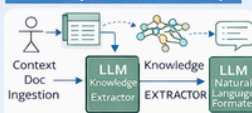
Introduced a first demo of the AI-powered decision support tool, combining knowledge from multiple languages and countries to answer energy efficiency questions and to validate the performance with real scenarios.

S2DT

Launched the first functional S2DT prototype, featuring LiDAR-based home scanning with real-time 3d building visualization, AI-powered appliance detection and ENPLAY integration.

Meeting Snapshots

General Assembly #1
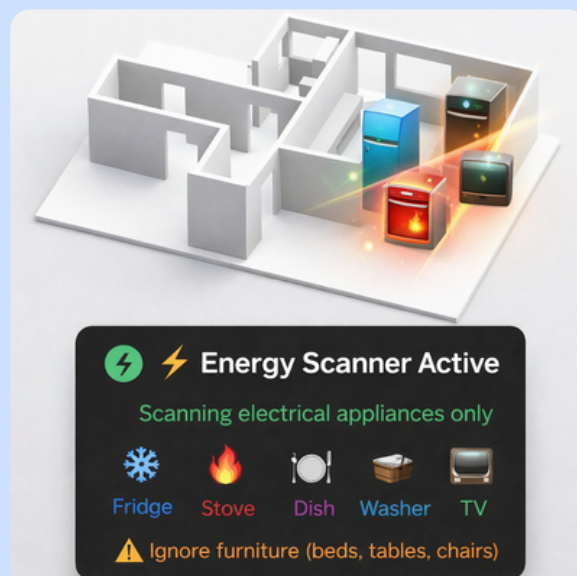
The ENERGENIUS project officially kicked off in Murcia at the headquarters of Voltiva Energy, bringing together project partners to align vision, goals and next steps.

The meeting set a strong pace for a successful project, establishing collaboration and momentum for the 42-month journey ahead, fostering the foundations for development, user engagement and real-life pilots demonstrations.

Sep' 24 - Murcia, Spain

General Assembly #2

The ENERGENIUS partners gathered to advance technical alignment, to demonstrate project tools and to coordinate the pre-pilot implementation phase. The meeting featured two dedicated external stakeholder workshops, strengthening collaboration, driving innovation and enhancing deployment readiness across all work packages.

March 25 - Cluj-Napoca, Romania

General Assembly #3

The ENERGENIUS consortium gathered to review project progress, officially launching the piloting period and demonstrating the project's digital tools, including the smartwatch.

The meeting concluded with a cross-sectoral workshop that brought together key players from the energy, buildings, tourism and public sectors to exchange insights and support real-life deployment.

Sep' 25 - Nea Moudania, Chalkidiki, Greece

Events and Highlights

ENLIT EUROPE 2025

The ENERGENIUS project took part in Enlit, presenting its innovative digital tools in the EU Projects Zone and exchanging ideas with experts and innovators from all across Europe. During the event, the Project Coordinator Mr. Pablo Barrachina participated in a round-table alongside other E-NERGY Cluster projects, highlighting the importance of interoperability and collaboration to deliver citizen-centered energy solutions.

SUSTAINABLE PLACES 2025

At Sustainable Places Conference 2025, ENERGENIUS partners showcased the project's citizen-focused vision through a dedicated workshop led by Pablo Barrachina, Rahul Tomar, and Konstantinos Arvanitis. The session demonstrated how AI, gamification, and digital twin models support energy awareness and participation, with a standout live demonstration of the Scan-to-Digital Twin tool that produced in 3 minutes a fully interactive 3D model of the workshop venue space.

https://energenius-project.eu/

Dissemination Routes

#BRIDGE Brochure Listing

The ENERGENIUS Project was featured in the 2025 Bridge EU Brochure, which showcased leading Horizon Europe projects driving Europe's energy transition.

ENERGENIUS was highlighted for advancing the transition through strong citizen engagement and innovative approaches.

Scientific Publications

The ENERGENIUS research partners, have produced a series of notable publications throughout the project, all of which are publicly available on Zenodo and the project's website.

Read More

ENERGENIUS builds the momentum for a sustainable and inclusive energy future.

Energy Saving Tips

"Save Smarter, Not Harder"

1. High energy prices detected
It's a great time to go out, take a walk, or exercise to reduce indoor energy use for the next hour.

2. Use residual heat when cooking
Switch off the hob or oven a few minutes earlier and let stored heat finish the job.

3. One degree makes a difference
Raising cooling or lowering heating by 1°C can reduce energy use by up to 5–10%.

4. Learn From Others, Share your story
Share tips and progress with colleagues, neighbours, or your community. Collective actions and shared experiences accelerate smarter energy choices.

5. Follow ENERGENIUS on Social Media
Stay connected through our social media to explore, try the ENERGENIUS tools, get smart energy saving insights and actively participate to the ENERGENIUS Community.

https://energenius-project.eu/

Project Partners

VOLTIVA ENERGY

POLITECNICO MILANO 1863

University of Applied Sciences and Arts of Southern Switzerland
SUPSI

Erasmus University Rotterdam

Empa — Materials Science and Technology

UKRAINIAN STATE UNIVERSITY OF SCIENCE AND TECHNOLOGIES

TRANSILVANIA IT CLUSTER

innovatio — thinking out of the box

etra I+D

DIGITAL TWIN TECHNOLOGY

rhoe

WEB RATIO

Evidenze — Knowledge in Health

SERVITLY — DRIVING CONNECTED SERVICES

IDENTIFY

ADVISER

ZENTRIX LAB — Research&Innovation

THANK YOU