



Empowering your journey

# EUNICE

The Green Tech Company

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[www.eunice-group.com](http://www.eunice-group.com)



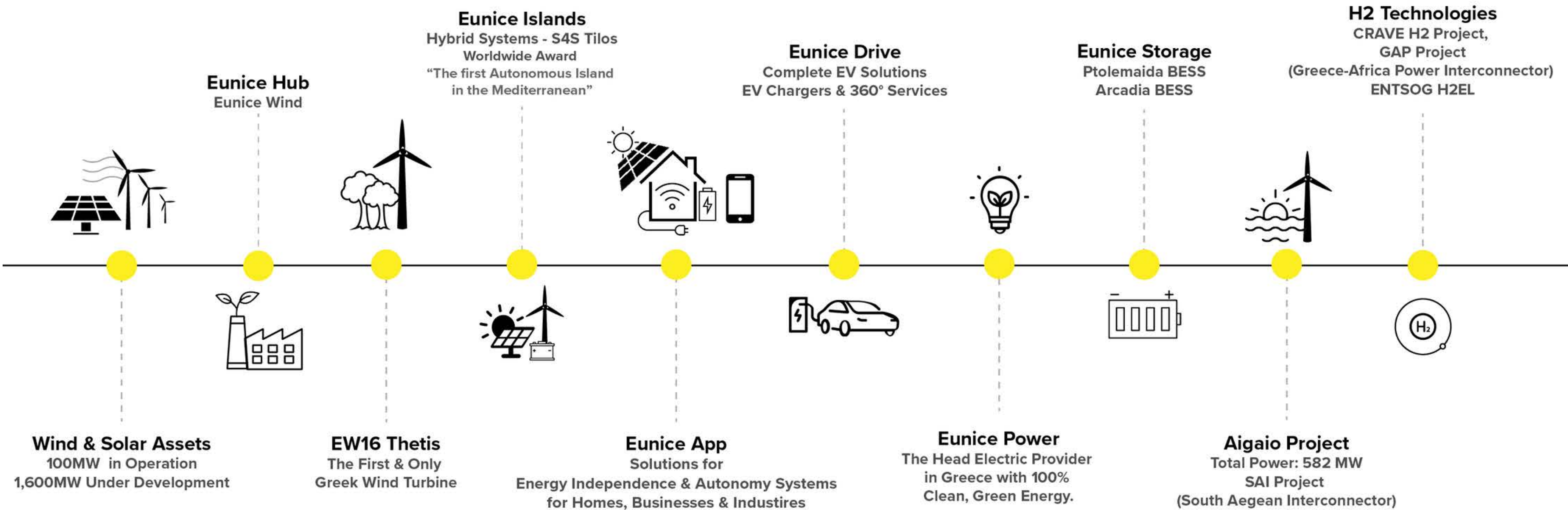
# WE ARE EUNICE

## Smart Green Living For All

100%  
GREEN TECH  
COMPANY

100MW  
OPERATING  
RENEWABLE  
ENERGY ASSETS

1,650MW  
PROJECT  
PIPELINE





A hand is shown pointing towards a complex digital network graphic. The graphic consists of numerous white dots connected by thin white lines, forming a web-like structure. A prominent yellow curved line sweeps across the upper left portion of the image. The background is a dark blue gradient with some lighter blue geometric shapes and bokeh light effects.

**EUNICE**

# Empowering Your Journey

## **OUR VISION**

A world where every individual is a NetProsumer, every household is energy autonomous and every state is energy independent.

## **OUR MISSION**

To provide innovative green tech solutions, empower humanity towards a smart green living, and eternally paving the way for Energy Democracy.



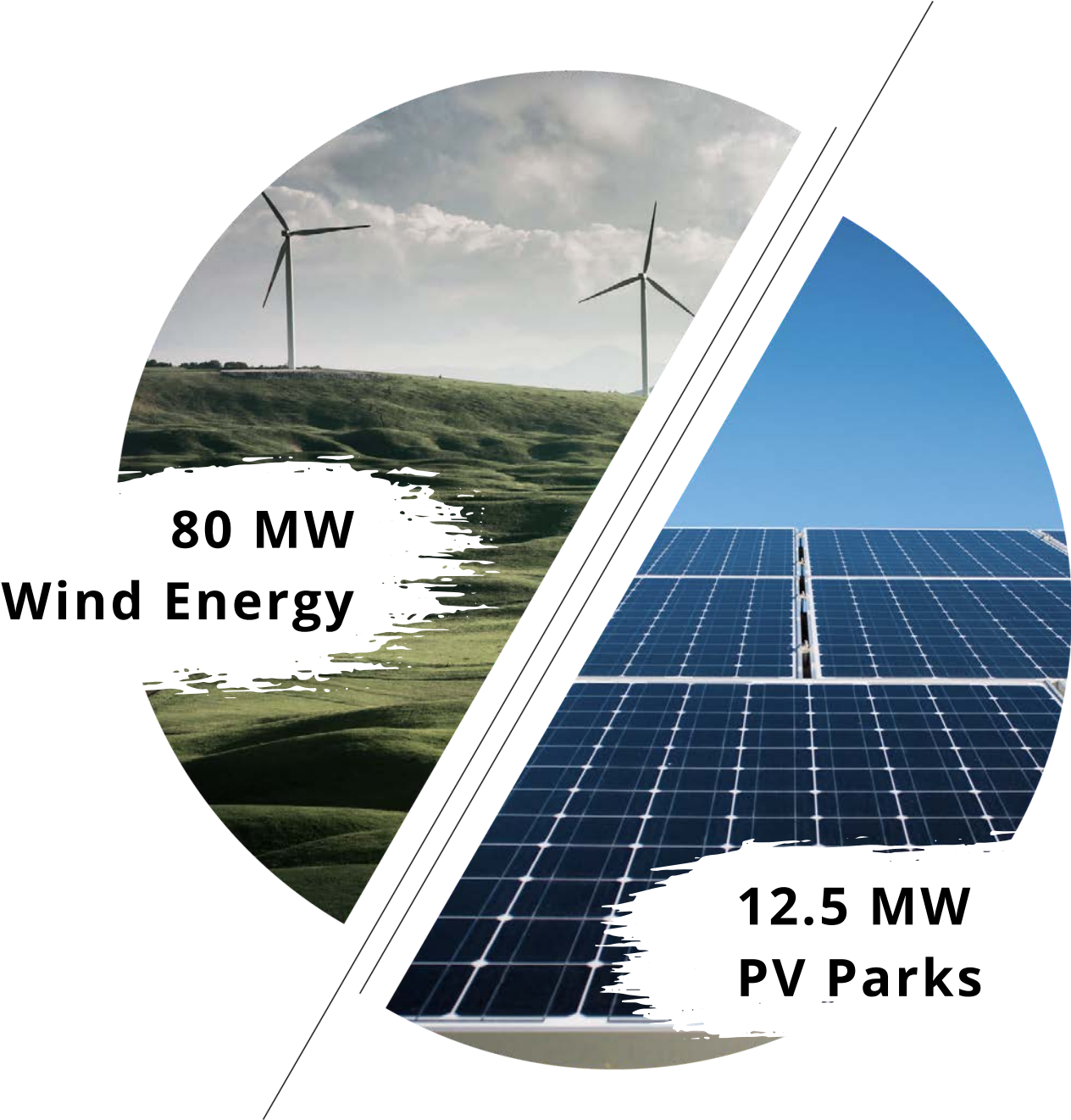
# Operating Assets

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# Green Production



**EUNICE**





# S4S

## Tilos Project

**The first autonomous island in the Mediterranean**

- 800kW wind turbine;
- 160kW photovoltaic solar panel park;
- Battery capacity 2.4MWh;
- 1MW Battery inverter;
- In house EMS system;
- In house SCADA System.

### Awards

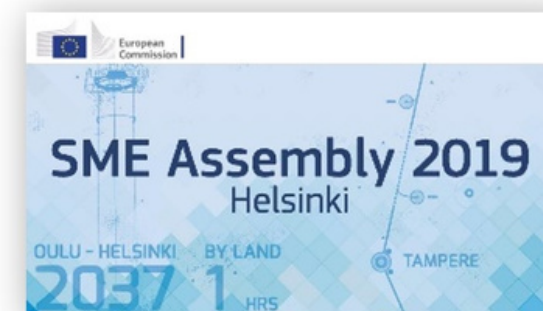
2017



2017



2019

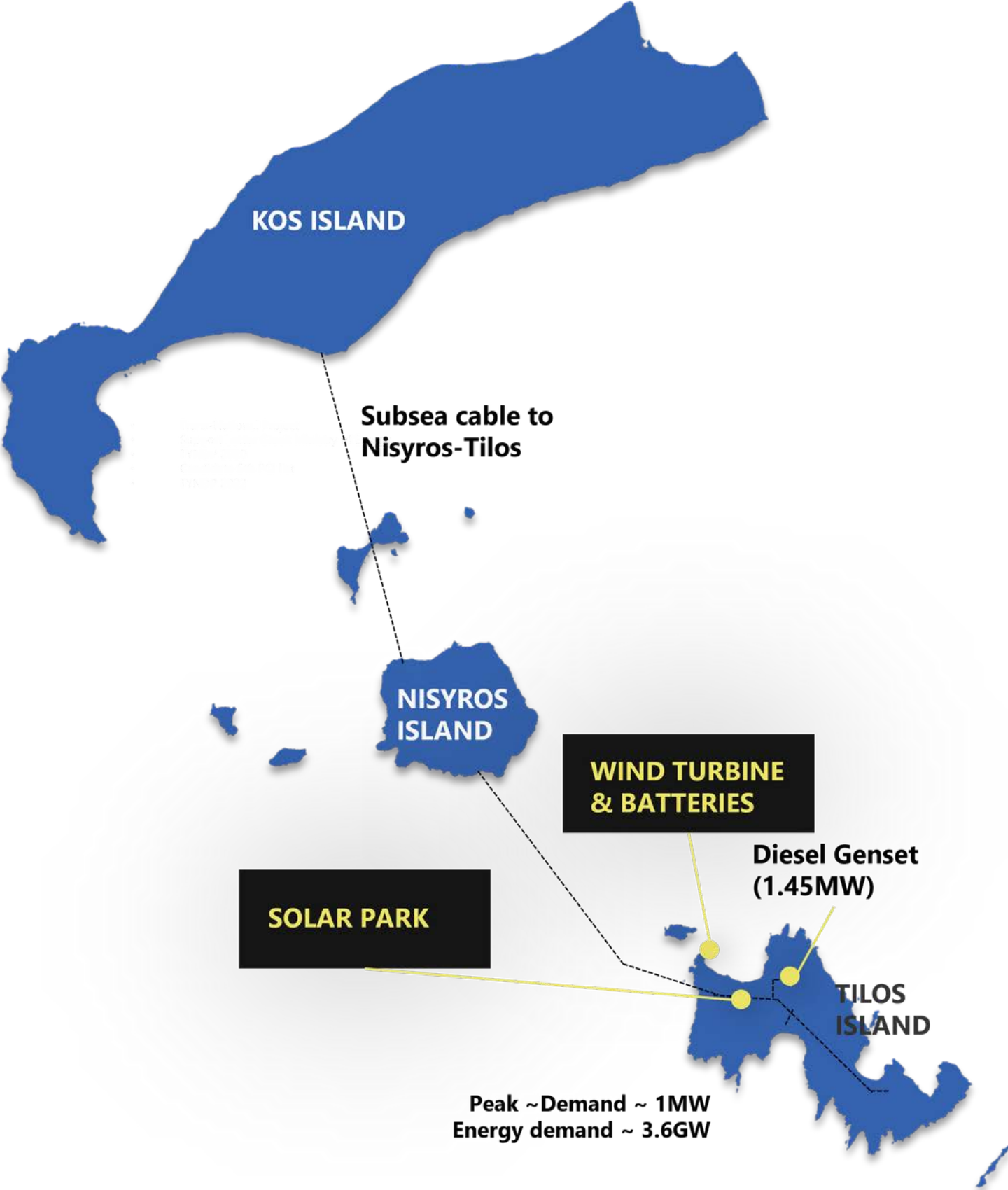


2020





# ■ TILOS Project – Grid Connection & Electricity Demand





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# Renewable Energy Pipeline

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# New Project Development

## Wind Parks

- 01
- **Lakonia A**
  - 46.2MW

- 02
- **Lakonia B**
  - 33.6MW

## PV Parks

- 03
- **Thraki**
  - 8MW

- 04
- **West Macedonia**
  - 37.44MW

- 05
- **Central Greece**
  - 193.96MW

- 06
- **Western Greece**
  - 115MW

- 07
- **Thessaly**
  - 122.30MW

## Aegean Project

- 08
- **23 Aegean Islets**
  - 582MW

## Battery Energy Storage Systems (BESS)

- 09
- **Ptolemaida BESS - Arcadia BESS**
  - 250MW - 250MW

## Hybrid Stations - Green Islands

- 10
- **Anafi, Donousa, Fournoi, Leros**
  - 0.1MW, 0.12MW, 0.99MW, 5.1MW





# Aigaio Project

- A world scale, **582MW** wind project, located on islets of the Dodecanese Islands and the Cyclades;
- Optimally positioned to utilize effectively both SAI & GAP.

**582MW**

Total Installed  
Capacity

**138**

Wind Turbines  
Installed on islets

**1.5**

**BILLION €**  
Total Investment



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# BESS Projects





# BATTERY ENERGY STORAGE SYSTEMS

- Optimal energy buffer for effective utilization of large scale RES, SAI & GAP;
- Direct Connection on the 400kV system;
- Li-ion battery energy storage.

**250MW**  
Rated Power

**1000 MWh**  
Installed Capacity

**230**  
€ Mio  
Total Investment

- Included in the new version of the Europe's Ten-Year Network Development Plan (TYNDP 2020) by ENTSO-e;
- Part of 16 large projects of the "Plan for Just Development Transition", officially announced on the 9th September 2020.

PTOLEMAIDA BESS





# BATTERY ENERGY STORAGE SYSTEMS

- Optimal energy buffer for effective utilization of large scale RES, SAI & GAP;
- Direct Connection on the 400kV system;
- Li-ion battery energy storage.

**250MW**  
Rated Power

**1000 MWh**  
Installed Capacity

**230**  
**€ Mio**  
Total Investment

ARKADIA BESS





# H2 Projects

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## ■ Crete Aegean H2 Valley



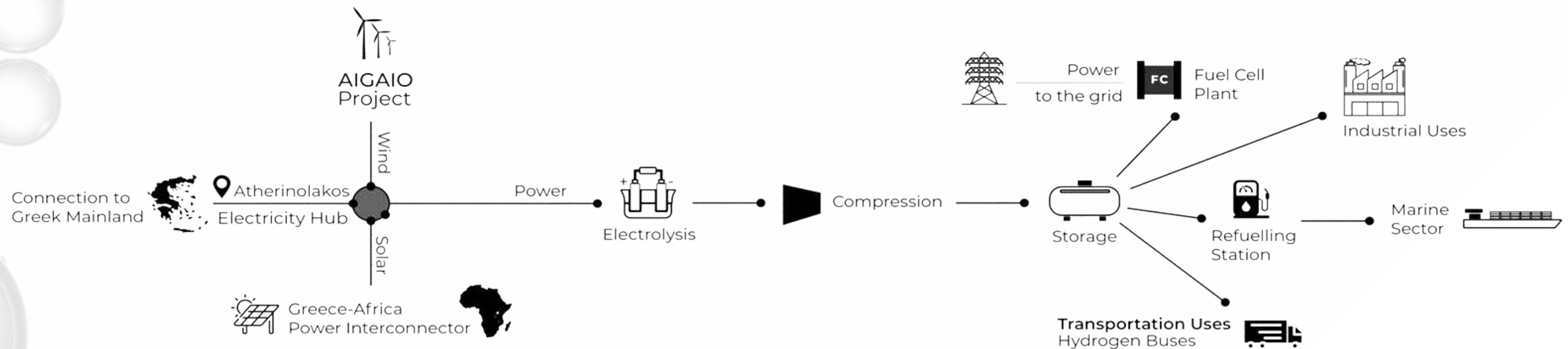
**Green hydrogen will be produced with alkaline electrolyzers near the port of Atherinolakos, and will be used a) for electricity production with PEM fuel cells, and b) as fuel for transportation buses.**

Future applications for green H<sub>2</sub> as a fuel, are seen in maritime (green marine H<sub>2</sub> fuel) or in power production at refurbished power plants.

### Partnership



Co-funded by the European Union

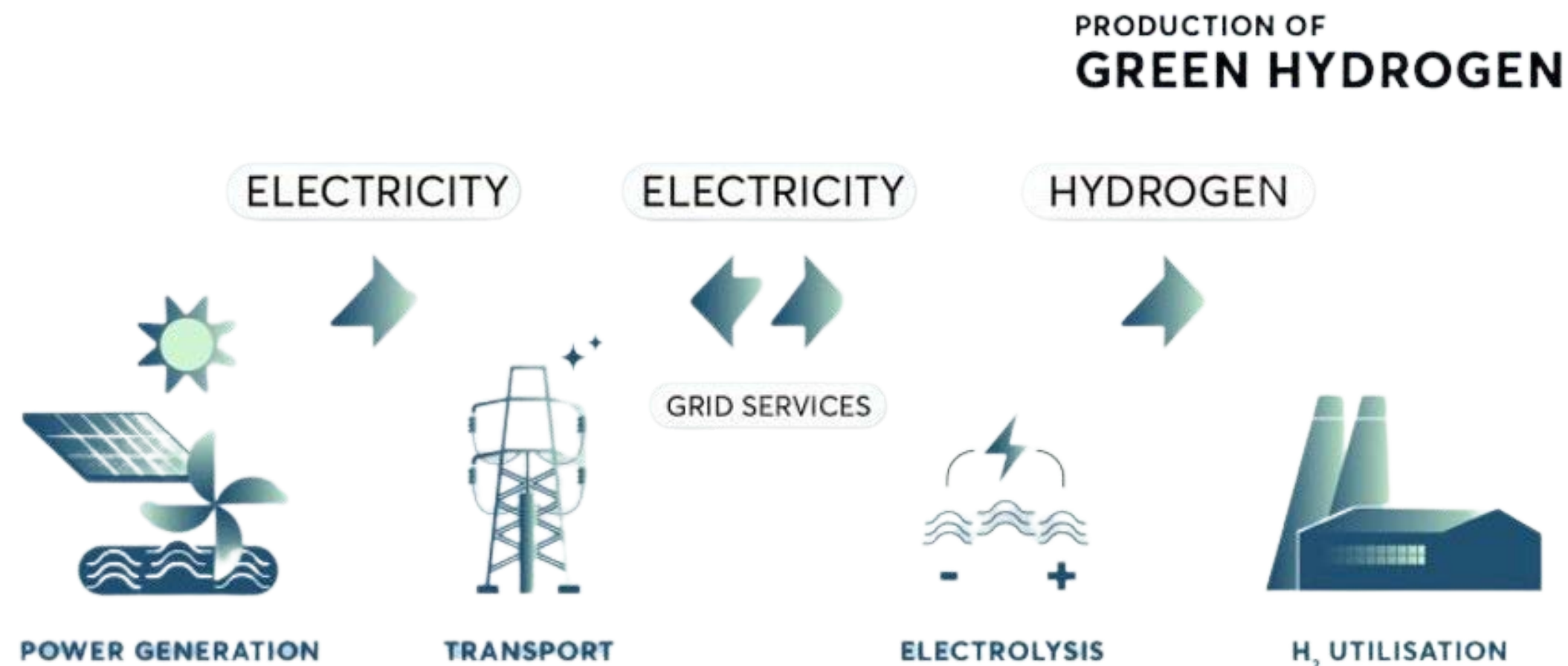




# Zero Emissions Network Energy System 24\_7 ZEN Project

The goal of 24/7 ZEN is to design and build a high-performing 33/100kW scale rSOC power balancing plant and demonstrate its compatibility with electricity and gas grids.

- enhanced materials on the cell level;
- fully operational rSOC system;
- fully integrated, plug and play ecosystem for grid interconnection;
- renewable energy generation;
- transmission system operator; and
- international quality assurance.



## Partnership





# ■ Crete Renewable Energy Valley **Crete Valley**

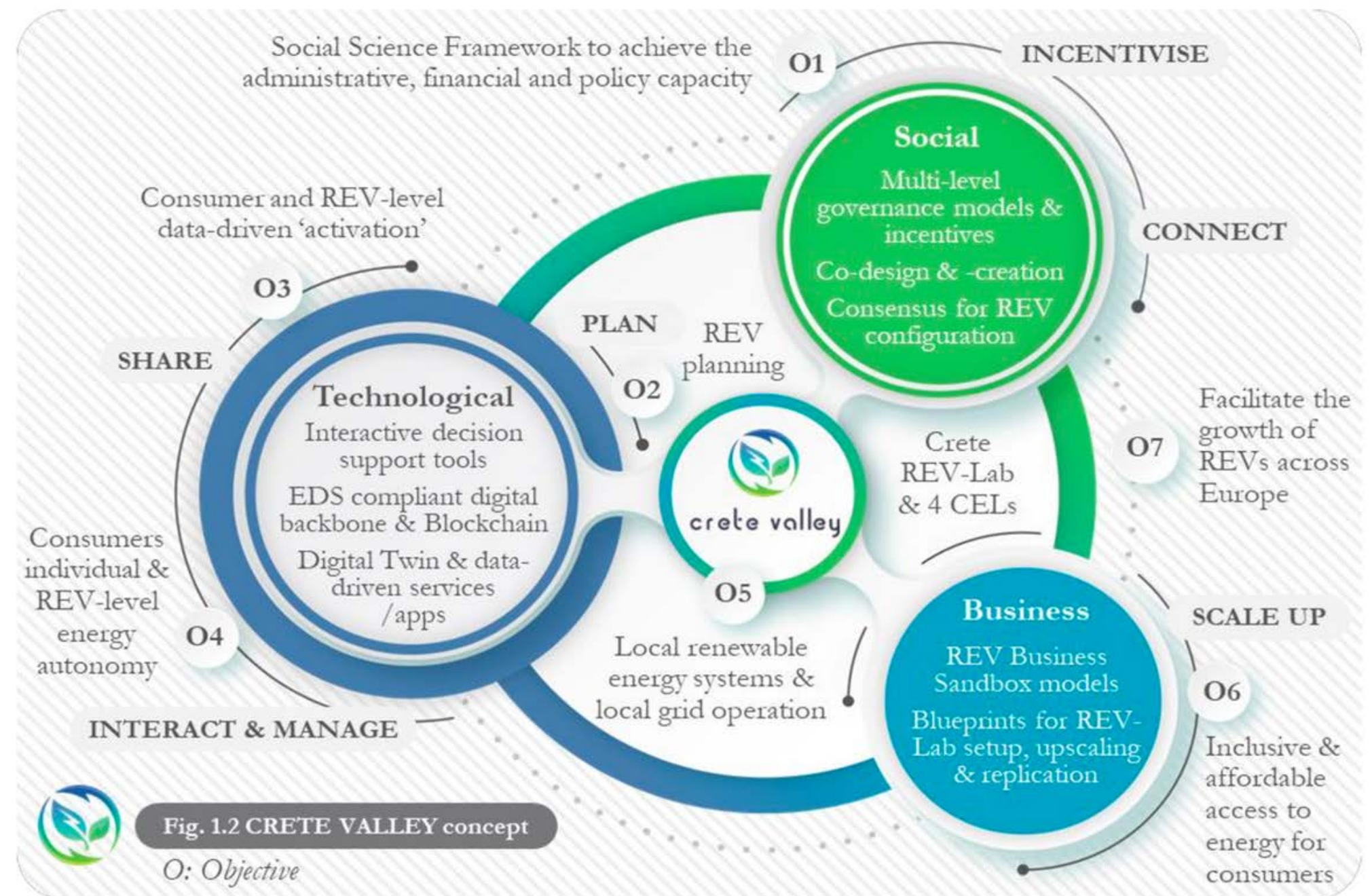
**CRETE VALLEY** aims to create a Renewable Energy Valley 'Living Lab' (REV-Lab) in Crete. It is envisioned as a decentralized renewable energy system that combines:

- leading-edge ICTs technologies;
- Artificial Intelligence;
- DLT/blockchain;
- Augmented & Mixed Reality with social innovation processes of co-design and co-creation by involving stakeholders (including citizens and businesses);
- easy-to-adopt efficient business models.

## Partnership



Consortium is consisted of 43 partners (selected partners are shown above)

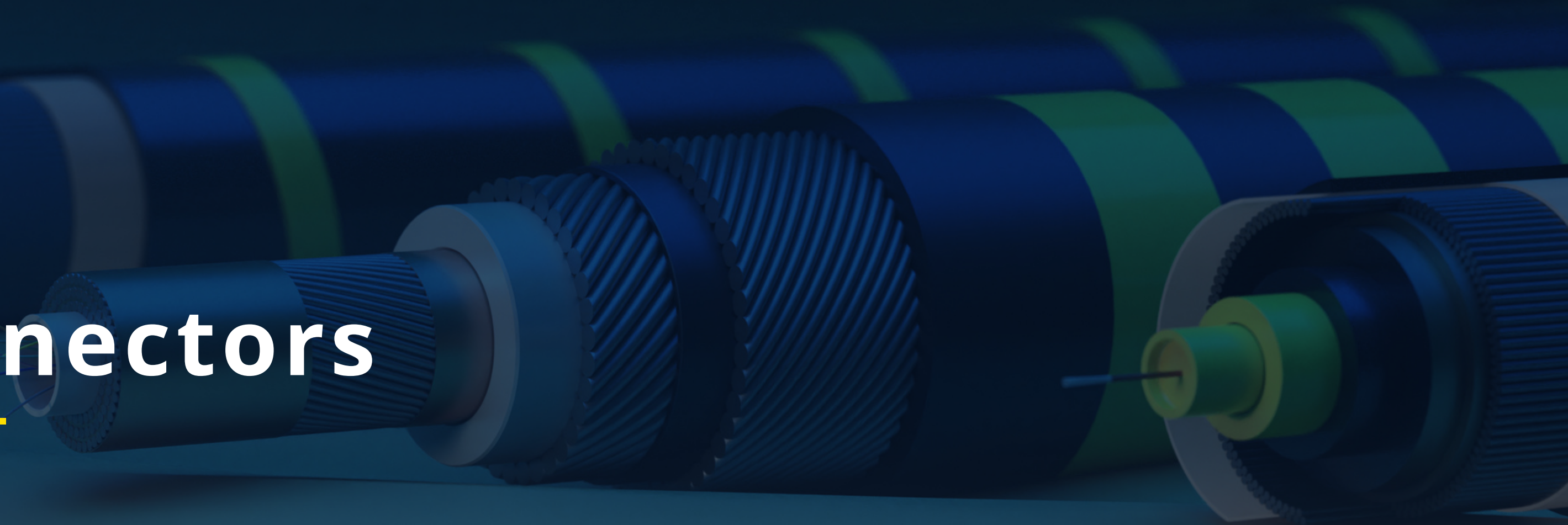




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# Energy Interconnectors

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# EUNICE



**SOUTHERN AEGEAN INTERCONNECTOR**

**A EUNICE PROJECT**

Recognized since 2014, SAI is a Candidate Project for the EU's Important Projects of Common Interest (PCI) list, enhancing energy security, RES adoption, and local growth, with potential links to broader regional initiatives.

- Strategic national interconnector;
- Interconnection of large scale RES generation (Aigaio Project);
- Energy transmission safety.







## ENERGY STABILITY BY FACILITATING INTERCONTINENTAL ENERGY TRANSFER

### GAP PROJECT

**Goal:** Enhance energy stability and generation adequacy in the Eastern Mediterranean Sea area.





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# Wind Turbine Manufacturing



MADE IN GREECE



EUNICE  
GROUP

SN 0002





# ■ Production Unit

**Only Wind Turbine Production Factory in Greece**

## **Eunice Wind**

- Subsidiary of Eunice Energy Group;
- Production and R&D unit;
- Vertically integrated facility.

## **Products**

- EW16 Thetis 50kW wind turbine;
- EV Chargers.

## **Green Factory**

40kW Rooftop Solar &  
62kW Battery Storage





# ■ ISO Certificates

	ISO 9001:2015	ISO 14001:2015	ISO/IEC 27001:2013	ISO/IEC 27701:2019	ISO 45001:2018	ISO 50001:2018
Eunice Wind	✓	✓	✓		✓	✓
Eunice Laboratories	✓	✓	✓	✓	✓	
Joltie	✓		✓	✓		
	<div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 9001:2015</div><div>CERT No. 1-030-02-100-01608</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 27001:2013</div><div>CERT No. 1-030-02-270-00193</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 27001:2013</div><div>CERT No. 1-030-02-270-00194</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 27001:2013</div><div>CERT No. 1-030-02-270-00195</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 27701:2019</div><div>CERT No. 1-030-02-277-00032</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 45001:2018</div><div>CERT No. 1-030-02-450-00182</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 27701:2019</div><div>CERT No. 1-030-02-277-00033</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 14001:2015</div><div>CERT No. 1-030-02-140-00342</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 14001:2015</div><div>CERT No. 1-030-02-140-00341</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 9001:2015</div><div>CERT No. 1-030-02-100-01607</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 9001:2015</div><div>CERT No. 1-030-02-100-01606</div></div><div><div>APPROVAL</div><div>SWISS</div><div>CERT</div><div>ISO 45001:2018</div><div>CERT No. 1-030-02-450-00183</div></div></div>					



## The First & Only Wind Turbine Made In Greece

- High reliability;
- AC-DC-AC Converter technology;
- Low noise levels & low maintenance costs;
- Customized SCADA;
- Ideal for micro grids and smart grids;
- Directly connected to low voltage grid;
- Compliance with EU grid code requirements (with optional further adaptations);
- Full and smooth integration and co-operation with the S4S-smart energy management system & Aftonomo by Eunice.

**50 KW**  
Nominal  
Power

**22m**  
Hub Height

**16m**  
Rotor  
Diameter

**200m<sup>2</sup>**  
Swept Area

**Wind Turbine**  
EW16 Thetis



The background features a stylized illustration of an electric vehicle (EV) charging station. A white charging cable with a green connector is plugged into a charging port on the side of a white car. The car's front wheel and tire are visible in the lower-left corner. The charging cable has the word "EUNICE" printed on its green connector. The overall aesthetic is modern and clean, with a focus on the EV charging theme.

**Eunice Drive**



# ■ EV Chargers



2000+  
CHARGER  
UNITS

The largest operators in Greece trust Eunice with the full scope of development of EV charging networks.



# ■ AC Chargers



## Two-Socket Charger

EEG-2S-22P

- Smart Function (OCPP)
- 22kW Power per Socket
- Anti-Vandalism Integrated Structure



## One or Two-Socket Charger Cylindrical

- Smart Function (OCPP)
  - Upgradable from 1S to 2S
  - Innovative Design
  - Ideal for Public Spaces
- Anti-Vandalism Integrated Structure

## One-Socket Charger

EEG-1S-22W

- Smart Function (OCPP)
- 22kW Power per Socket
- Anti-Vandalism Integrated Structure



- Wired or Wireless connection for reliability;
- Weather protected enclosure;
- Surge protection;
- Custom branding available upon request.



# ■ Residential Chargers



**Eunice Home S**  
with Socket

- Designed for Private Parking Areas
- Maximum Power: 22kW
- Integrated Socket



**Eunice Home T**  
with Cable

- Designed for Private Parking Areas
- Maximum Power: 22kW
- Integrated Cable

**Eunice Box C**  
with Cable

- Status LED
- Maximum Power: 22kW
- Integrated Cable



- Always connected through WiFi & Bluetooth;
- Charging through your Smartphone;
- Access Charging with RFID Technology.



# ■ DC Chargers

## DC Compact

Smart Function (OCPP)

Maximum Power: 47kW

Surge Protection Device



## DC Fast

Smart Function (OCPP)

Maximum Power: 240kW

Status Indicator



- WiFi & Ethernet;
- Plug & Charge;
- Access Charging with RFID Technology.



EUNICE



SUSTAINABLE ISLAND - ASTYPALAIA



SUSTAINABLE ISLAND - ASTYPALAIA



SMART ISLAND - KYTHNOS



BLINK HELLAS



DEH BLUE





## Businesses & Other Stakeholders



## You Will Find Us





A EUNICE COMPANY

joltie

[www.joltie.com](http://www.joltie.com)





A EUNICE COMPANY

Joltie is a leading company in the **eMobility sector in Greece**, investing with its own capital funds on building one of the most expanded charging networks in Greece.

Our mission

- make your journey **smoother and cleaner while reducing your carbon footprint;**
- develop a **national EV Charging network;**

The company currently has more than **180 charging points** nationwide, aiming for **600+ charging points until 2024.**







A EUNICE COMPANY

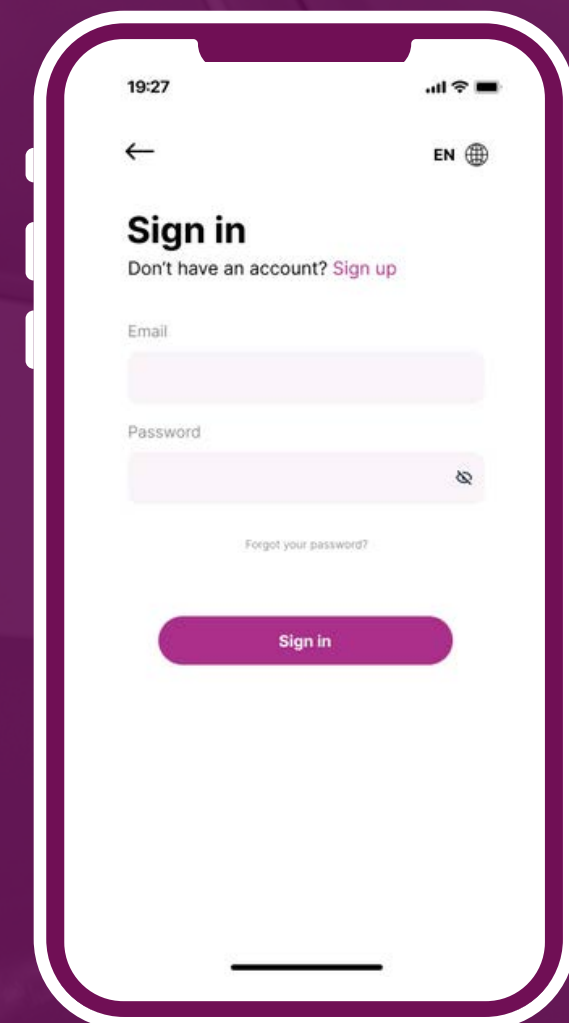
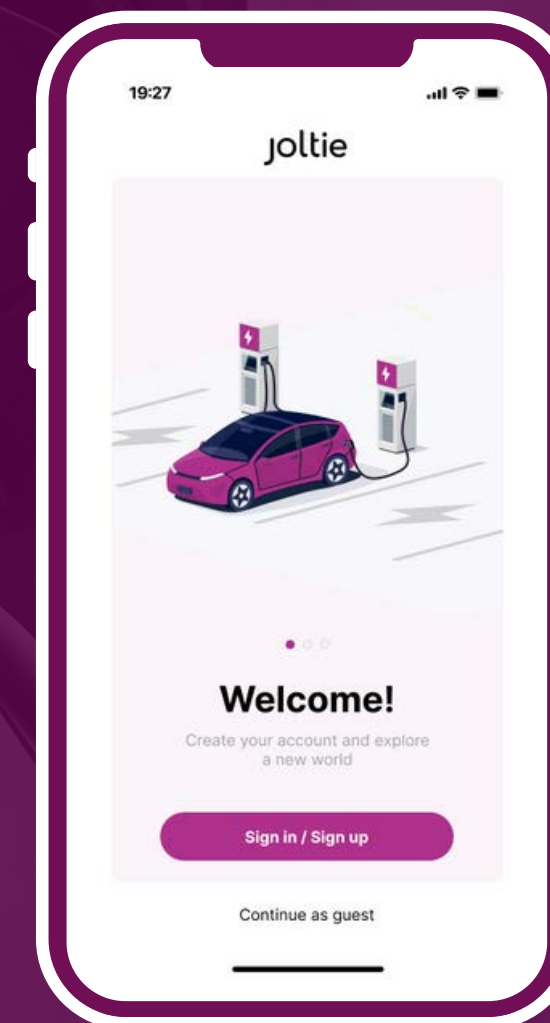
As part of the Eunice Group, we are engaged in the development of electric charger networks in Greece, Cyprus, and Bulgaria. Our chargers, known as Eunice Chargers, are exclusively designed and manufactured in Greece at our group's facilities.

## Key Values

- All in One & Risk-free solution;
- High Quality Equipment;
- 24/7 Customer Service;
- eMobility Roaming Services with interoperability with hundred thousands charging points across EU;
- Expanded EV network in public access areas;
- Sustainability & Environment Protection.

## The App

Download for free through  
Google Play or App Store



We believe that the future is electric, and we are excited to be a part of this revolution.



EUNICE

# Eunice Solutions





# EUNICE Solutions

EUNICE



- **Generation**
- **Storage**
- **Management**

## All-In-One System

**100%**

Meeting the needs of electricity with green electricity  
& zero CO2 emissions

## Cost Savings

Via Net Metering

## Remote control

Of all functions

## Energy independence

In case of power outage

**Producer + Consumer + Network = NetProsumer**



# ■ EUNICE App

## Software + Smart Devices

- Reduce energy & costs;
- Real time information on your energy flow, distribution & consumption;
- Smart alerts and energy saving tips;
- Load scheduling and ability to switch devices on and off;
- Data analysis & optimized energy management.





# Power





# ■ EUNICE Power



## RETAIL:

- The only one supplying the entire customer portfolio with 100% green energy
- Competitive rates and tailor made pricing for commercial and industrial customers.



## THE GREEN FLAG:

- Certifies that its owner consumes electricity generated **exclusively from RES;**
- Ensures that the company has a competitive advantage, confirming its business strategy is **characterized by sustainable development;**
- Can be placed in all packages, stores, vehicles, websites as well as in other marketing and communication assets as a **certification of green corporate activity;**
- Creates a positive impact on consumers, who increasingly prefer products and services that are **environmentally friendly certified.**







# ■ Energy Trading

## Energy Stock Markets

### Energy Trading

- Day ahead Market;
- Intraday Markets;
- Ballancing Markets (Spot Markets);
- 1st and only company to trade battery storage in day ahead market (Tilos S4S – Hybrid Power Station).

### Energy Trading in many European countries

- Greece;
- Italy;
- Germany;
- Bulgaria;
- Hungary.

## Unique Sales Proposition (USP)

- Active presence in the Transnational Electricity Trade
- Participants in the Greek European Exchange for all types of electricity products offered
- Active participants in SEECAO and JAO to ensure monthly and annual PTRs.
- -Support in the preparation and operation of financial and physical delivery PPH.



# ■ Energy Aggregation

## Energy Stock Markets

### 3rd largest RE aggregator in Greece

- Direct asset monitoring;
- Performance forecasting;
- Availability forecasting;
- Advanced stock market trading.

### Unique Sales Proposition (USP)

- High quality and fidelity software
- Online monitoring of project operations ensuring minimization of penalty deviations
- Excellent training and experience of the trader department ensuring accuracy of production forecasts and settling any variations in production forecasts



# R&D Activities





# Human Capital

Our HR department's goal is to empower and nurture our employees, fostering a culture where people are not just valued, but also considered the **heart and soul of our organization**, driving us towards a **shared vision of excellence and success**.

## Our People

120

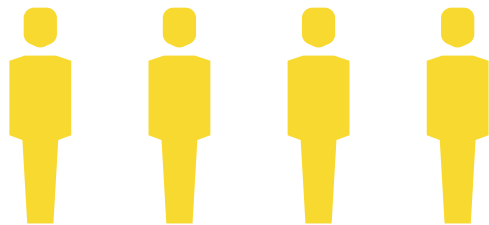
Total Active  
Employees

39

Employees  
Average  
Age

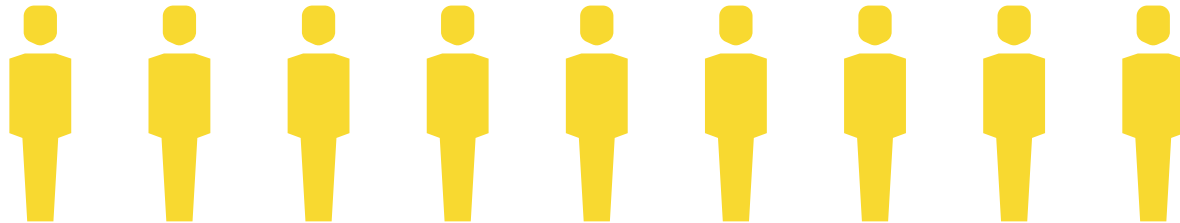
### Age Groups

18-30



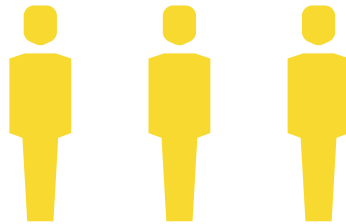
26%

31-45



54%

45+



20%



# ■ EU & National Research & Development Projects

## National Research and Development Projects



### Near-Shore Wind Turbine with Integrated Holistic Control

- Designing an adaptable 50kW offshore wind turbine;
- Enhancing resilience against coastal elements like humidity and sea salt through advanced design and aeroelastic analysis;
- Optimizing construction dimensions;
- Ensures heightened performance and durability in coastal environments.



### Development of Multifunctional Fiber Reinforced Composites with Nano-Modified Matrix Towards Wind Turbine Applications

- Hybrid Nano-Composites (HMS) enhance wind energy components for increased strength and durability with better reliability;
- Developed through a unique method merging glass fiber-reinforced epoxy with carbon-based nanostructures;
- Manufacturing technique tailored for wind turbine use, boosting structural integrity and monitoring capabilities.



### Participation in the Development of Two Novel IoT and Energy Saving Tools for Industrial Applications

- Showcases training and certification for Industry 4.0 tools, focusing on Digital Twin, cyber-security, and circular economy;
- Drives local business innovation via knowledge sharing, networking, and collaboration with Competence Centers;
- Facilitates technology transfer, Industry 4.0 upskilling, and energy/additive manufacturing projects.



### Development of Novel EOSC Services for Emerging Atmosphere, Underwater & Space Challenges

- Innovating thematic services in Underwater, Atmospheric, and Space research sectors with academia and businesses;
- Tackling EOSC roadmap challenges while promoting Open Science practices;
- Advancing business cases, engaging diverse communities, and fostering development in NEANIAS for EOSC's growth.



# ■ EU & National Research & Development Projects

## EU Projects funded by European Commission



Advanced Energy Performance  
Assessment Towards Smart Living in  
Building and District Level

- New business model for energy efficiency and flexibility in commercial rentals;
- Smart energy solutions tested in Spain, Greece, and Ireland;
- Integrated model with advanced services and fair contracts;
- Enhancing trust for wider smart energy adoption.



SmartSPIN

Smart Energy Services to Solve the SPlit  
INcentive Problem in the Commercial  
Rented Sector

- Innovating thematic services in Underwater, Atmospheric, and Space research sectors with academia and businesses;
- Tackling EOSC roadmap challenges while promoting Open Science practices;
- Advancing business cases, engaging diverse communities, and fostering development in NEANIAS for EOSC's growth.

DATA CELLAR

Data Hub for the Creation of  
Energy Communities at Local Level  
and to Advance Research on Them

- Develop public energy dataspace for EU Local Energy Communities (LECs);
- Demonstrate dynamic data hub for updated and reliable data;
- Ensure GDPR-compliant privacy and cybersecurity;
- Enable access to AI models and energy services;
- Establish engaged data sharing ecosystem through DLT-based Marketplace;
- Provide tools for LEC stakeholders' activities.

GEMINI

HiGh fidElity Modelling for  
small wINd turbines

- Develop Smart Energy Performance Certificate using digitized tools;
- Retrieve building info from BIM literacy for as-designed and actual performance;
- New scheme includes water consumption, noise pollution, and acoustics;
- Applicable to building complexes for neighborhood-scale energy certification.

CRAVE H<sub>2</sub>

Green hydrogen will be produced  
with alkaline electrolyzers near the  
port of Atherinolakos.



The goal of 24/7 ZEN is to design and build  
a high-performing 33/100kW scale rSOC  
power balancing plant and demonstrate its  
compatibility with electricity and gas grids.

Crete Valley

CRETE VALLEY aims to create  
a Renewable Energy Valley  
'Living Lab' (REV-Lab) in Crete.

EUNICE



# ■ Partnerships



**SIEMENS**

$\Delta_{EH}$  blue

**SOLAX**  
POWER

joltie

**Deloitte.**

 **asso.subsea**

 **PHOENIX  
CONTACT**



# Memberships





# EUNICE

# Thank You!



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