

Infoday Horizon Europe: Convocatòries 2024 del Clúster 6 (Alimentació, bioeconomia, recursos naturals, agricultura i medi ambient) i Clúster 5 (Clima i Energia)

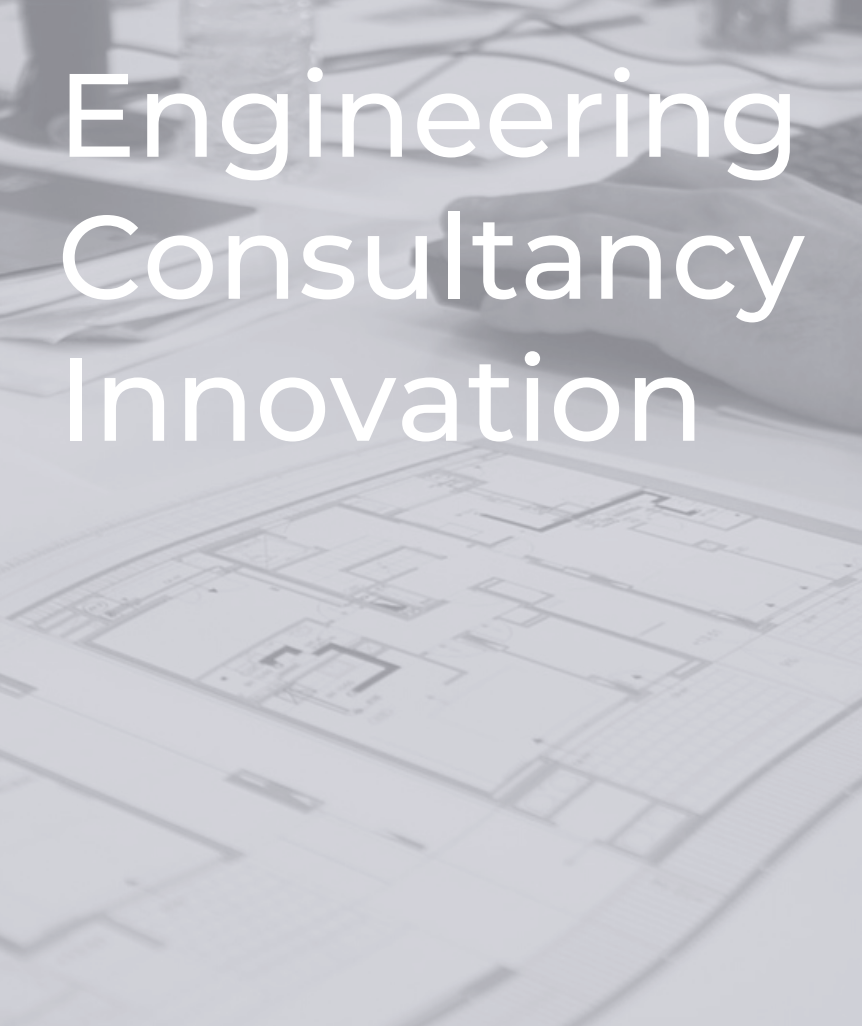
wattega

ARC^{BCH}

ENGINEERING & INNOVATION

Research & Innovation

Esther Izquierdo Martínez
Sòcia de WATTEGA
Directora d'Innovació



Engineering
Consultancy
Innovation

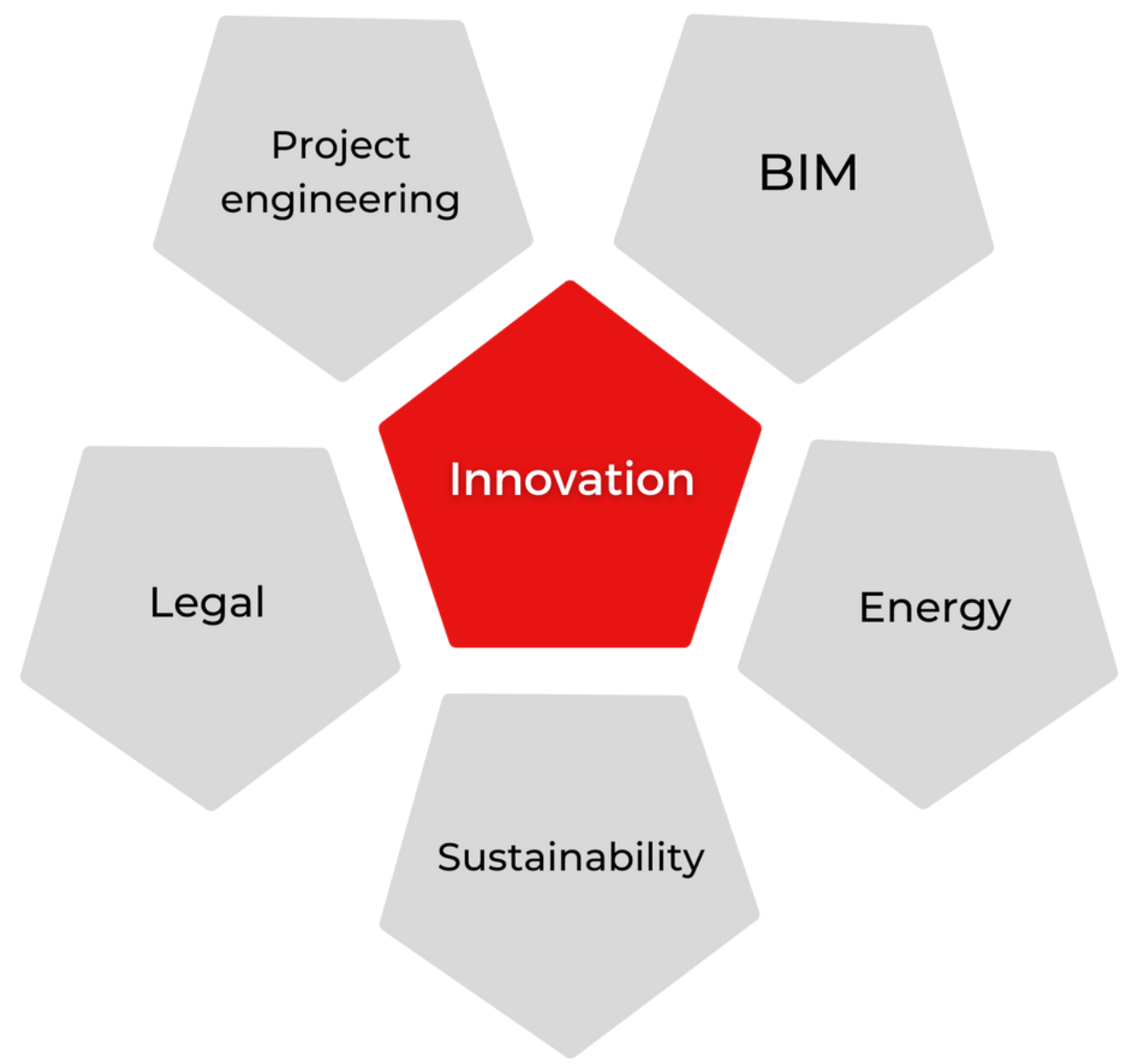


we are **WATTEGA**

Together for engineering and sustainability

We are a merger between **ARCbcn**, an engineering firm that specializes in highly complex installations and innovation projects, and **ERF**, an independent energy, environmental, and sustainability consultant.

From the beginning of 2023, we have been collaborating with the purpose of developing a competitive business project that allows us to leverage the expertise and integrated processes from both organizations in order to carry out more creative and diverse projects and services.



About R&I

We believe that Research and Innovation drive growth that make the transformation of our society possible.

We look to a future of sustainability and digitalization in which people are the key to making it happen, supported by our philosophy based on open innovation and an international vision.

Some of our projects:

 **HYPERGRYD**

 **HYSTORE**
Hybrid Services from Advanced Thermal Energy Storage Systems

 **GEOTECH**

 **PLUGCHAIN**
ENERGY TECHNOLOGY

 **PLATDΔT II**

 **SMARTCEL**

 **SPEA**

 **μTIC**

 **POLÍGONOS 4.0**

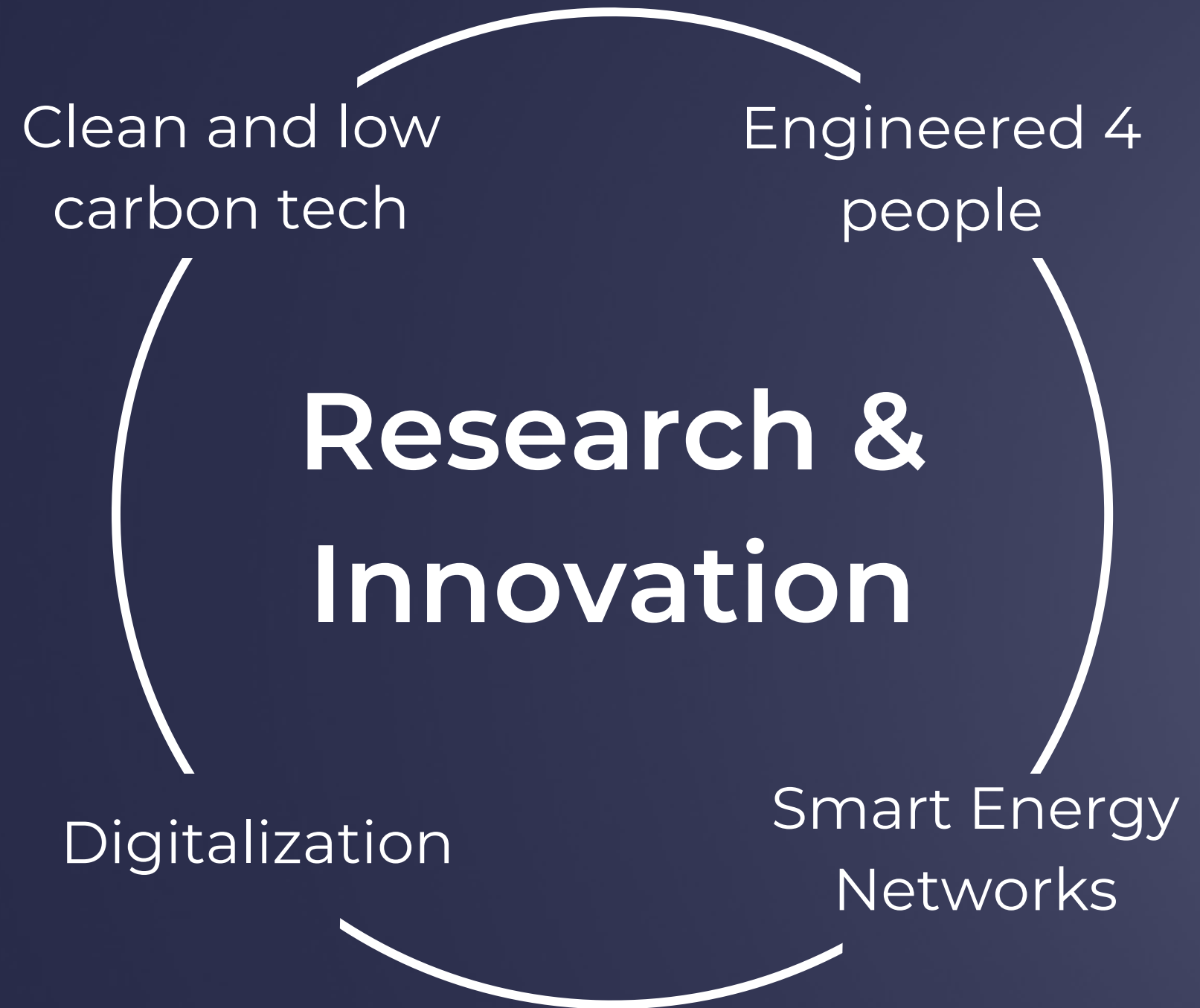


 **BODEGAS SOSTENIBLES 4.0**

 **insiga**
Sistemas Inteligentes de Gestión de Autoconsumo Colectivo de Polígonos Industriales 4.0

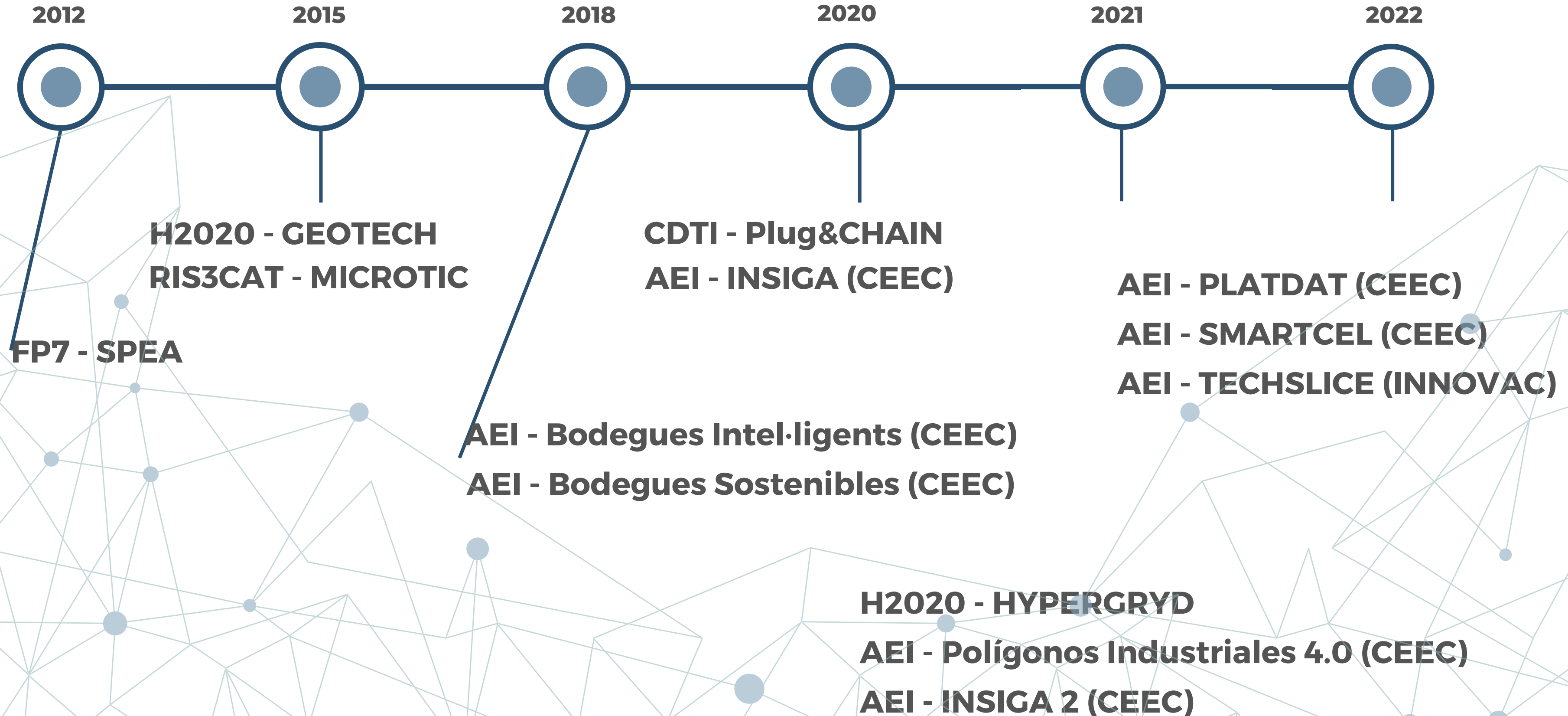
17 Projects
2 Project coordination
1.75M€ Total funding

Four Pillars



TIMELINE

Creació departament



TIMELINE



2023

2024

2025

2026

2027

2028

HORIZON -HYSTORE

AEI - PLATDAT 2 (CEEC)

AEI - SMARTCEL 2 (CEEC)

AEI - TECHSLICE 2 (INNOVAC)

Funded by the European Union



HYPERGRYD is a new platform serving as an integrator for the efficient cooperation of renewable energy sources technologies towards the IoT ecosystem of DHC network, delivering a compatible and holistic solution for a network of systems and end-users.



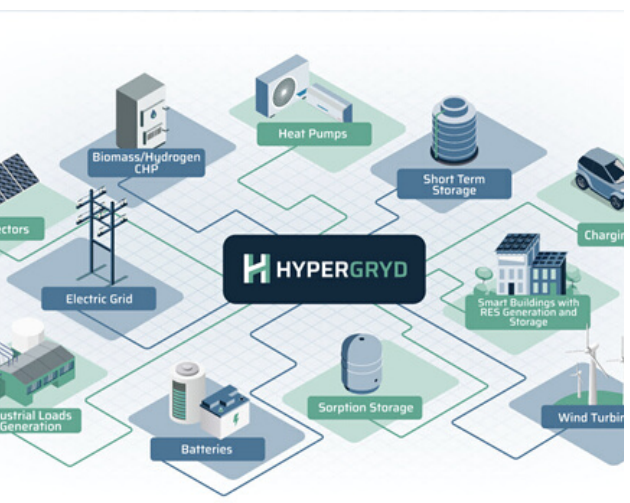
HYSTORE aims at developing and validate an innovative set of TES concepts, based the combination of cutting-edge PCM and TCM solutions.



GEOTECH project aims to stimulate and promote greater utilization of renewable heating and cooling using shallow geothermal GSHP systems through advancement of innovative drilling and ground heat exchanger technologies that are significantly more cost-effective, affordable and efficient than current technology.



The **SPEA**'s goal is to implement a public procurement of creative solutions for energy efficiency in municipal buildings, thereby increasing the demand for innovation in this area and fostering innovation in public services to improve their quality and efficacy.



EU -ROLS



Partner



Coordinator





The **PLATDAT** project intends to establish and develop the technology foundations for the non-intrusive, very granular capture and aggregation of energy data. The device should be utilized to supply energy management apps with real-time telemetry data that originates straight from the infrastructure of the manufacturers where data collecting is currently being consolidated.



The aim of **SMART WINERIES 4.0** is to validate the feasibility of a energy indicators' systems for the wine and cava production sector, which includes both general and specific energy indicators for each stage of the product development process, allowing companies a better understanding of their energy performances and benchmarkin



INSIGA is a tool designed to lower the financial and environmental costs associated with the energy consumption necessary to run industrial operations. Through the related industry, the tool enables users to monitor, optimize, and visualize the use of energy and self-consumption in their facilities through another monitoring module. The tool offers a feasibility study for photovoltaic self-consumption installations in a first module.



POLGONOS 4.0 aims to carry out a feasibility study in order to provide software that enables digitizing and monitoring the energy savings of the industrial fabric for the sector's energy efficiency. It will include dynamic energy indicators that can be updated and submit data to a decision-support system (DSS). This tool will serve as a platform for energy services and the circular economy, assisting businesses in lowering their energy expenses and acting as a catalyst for economic reactivation.

OTHER -ROLS

OWNER



Partner



Technical Coordinator





“Individualmente, somos una gota. Juntos, somos el mar”.
Ryunosuke Satoro, escritor japonés

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