

SYNERGY

Unleashing Big Energy Data Value



Introducing a Big Data Platform for trusted data sharing and insightful data analytics



25
Partners



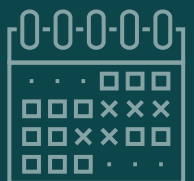
9
Countries



5
Demo sites



9.9M
Funding



42 Months
Duration

CONTEXT & OBJECTIVES

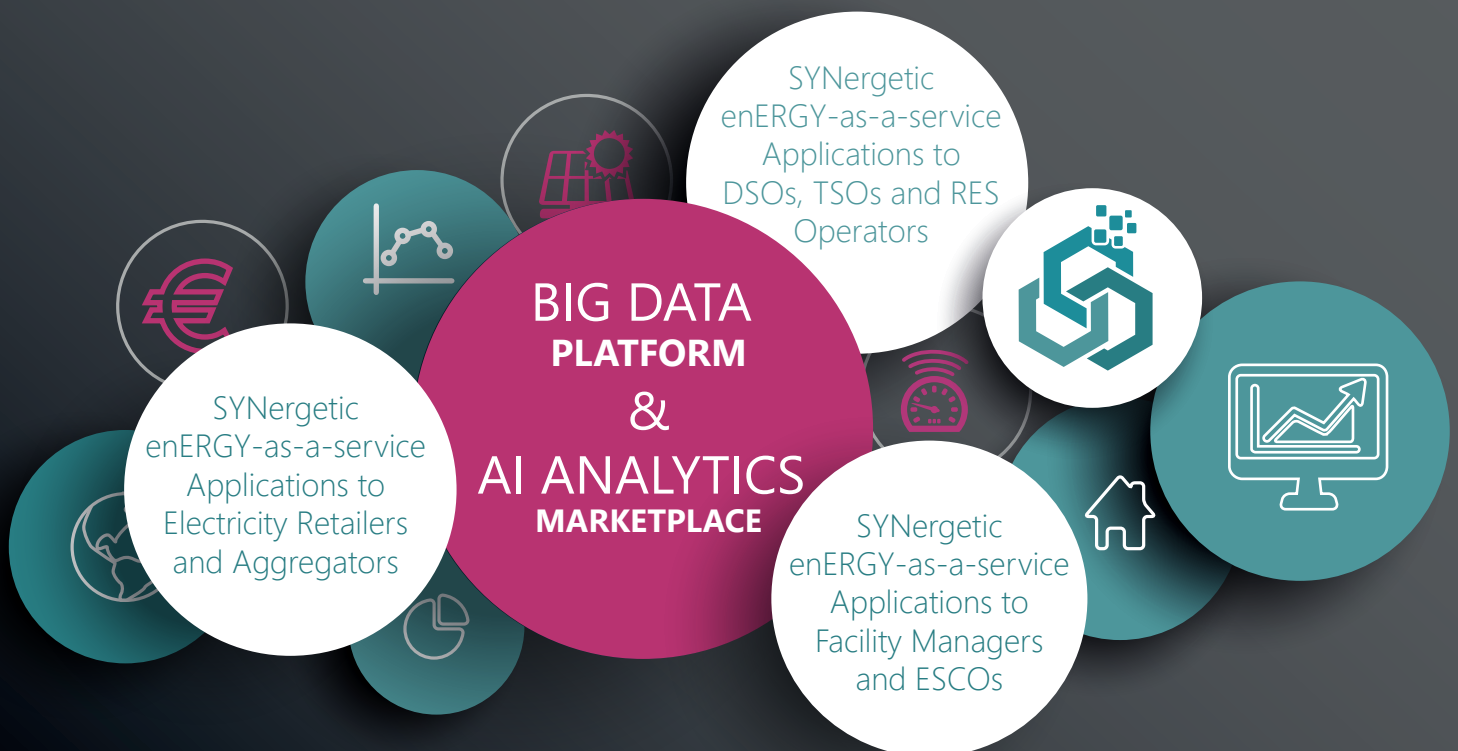
The SYNERGY project is implementing data-driven innovation and collaboration potential, across currently diversified and fragmented electricity actors. The project is working on delivering a platform that will act as a multiplier of the “combined” data-value that can be accrued, shared, and traded.

A new approach is proposed that focuses on real-time data sharing against traditionally bilateral contracting applied in the electricity sector. This innovative approach, enables holistic optimization of the operation of electricity networks and the energy performance of their constituent components (RES plants, buildings, districts).

The holistic and collaborative approach in the SYNERGY project comes as a response to the need for “end-to-end” coordination between the electricity sector stakeholders – not only in business terms but also in exchanging information between them.

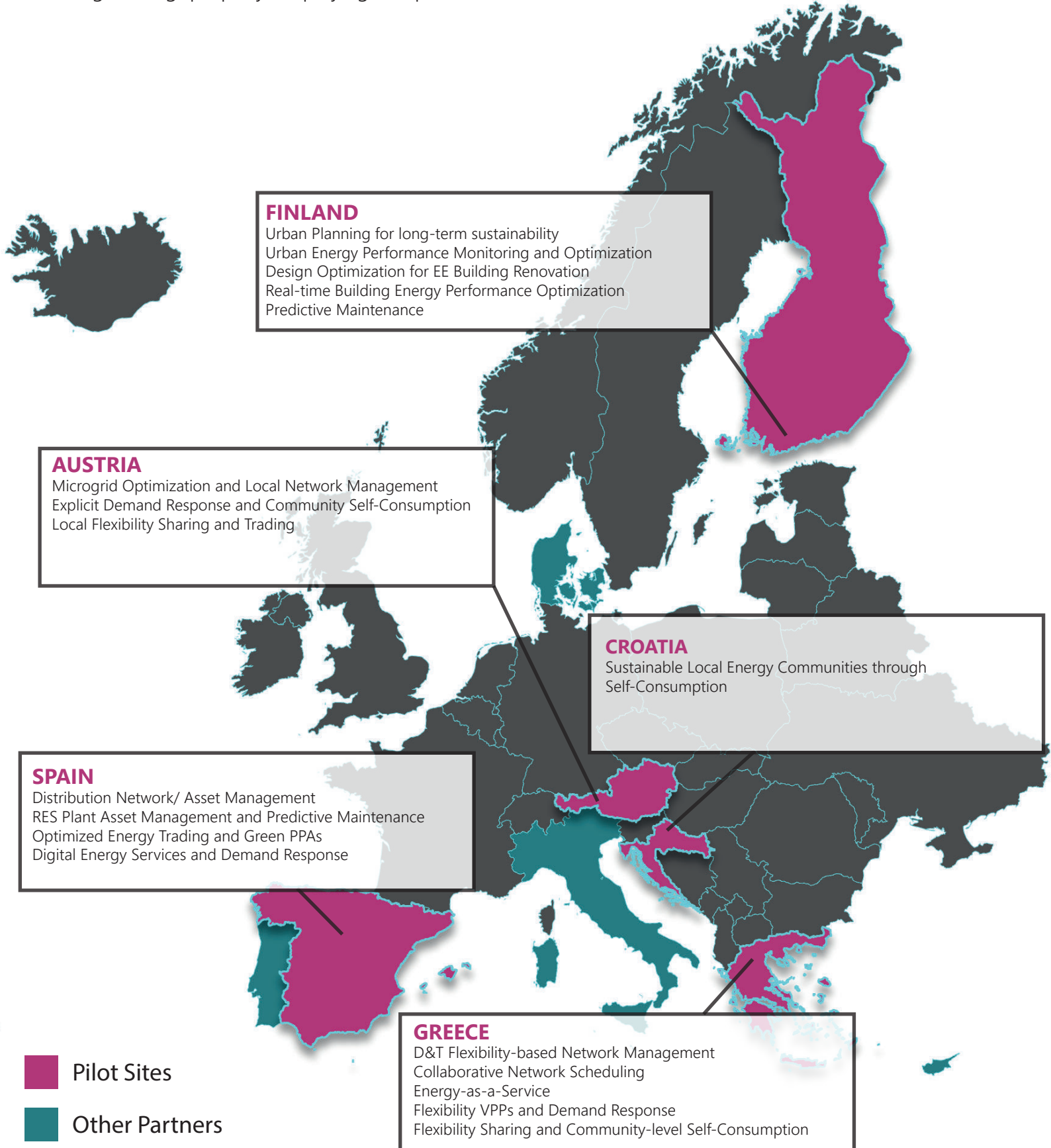
- Deliver a novel Big Data platform powered by energy-related data that effectively addresses the complexity of the energy/electricity sector.
- Deliver an innovative, secure, privacy-preserving, and IPR respecting multi-party data exchange and sharing framework.
- Enable the delivery of added value energy services that satisfy emerging stakeholders needs across the value chain (DSOs, TSOs, RES Operators, Electricity Retailers, Aggregators, Facility Managers and ESCOs).
- Bring forward novel collaborative business models driven by big data sharing and analytics services.
- Deliver a reference big data platform architecture and implementation for the electricity data value chain, validated through a set of representative, large-scale, demonstrators.
- Promote the adoption of the SYNERGY solution as a next-generation Big Data Platform for data sharing-based EaaS applications.

SYNERGY Reference Architecture: A High-level Glimpse



5 DEMO SITES

SYNERGY results will be extensively validated in 5 large-scale demonstrators located in Greece, Spain, Austria, Finland, and Croatia. The demonstrator cases have been carefully selected to address emerging needs of the majority of the electricity value chain stakeholders (spanning TSOs, DSOs, Retailers, Aggregators, ESCOs, RES Operators, Facility Managers, Local Energy Communities, Construction Companies, and Prosumers). The demonstrator cases will deliver significant impact in technical, economic, environmental, and social terms and, ultimately, promote novel business model and service innovations based on data (intelligence) sharing/trading (properly simplifying complicated and meshed interactions between value chain actors).



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PROJECT PARTNERS

PROJECT COORDINATOR



TECHNOLOGY PROVIDERS



(Technical Coordinator)



DEMO PARTNERS



INNOVATION ACCELERATORS



(Dissemination & Communication Leader)



(Open Call Manager)

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