



ETRA I+D CAPACITIES AND INTERESTS

ETRA Investigación y Desarrollo SA

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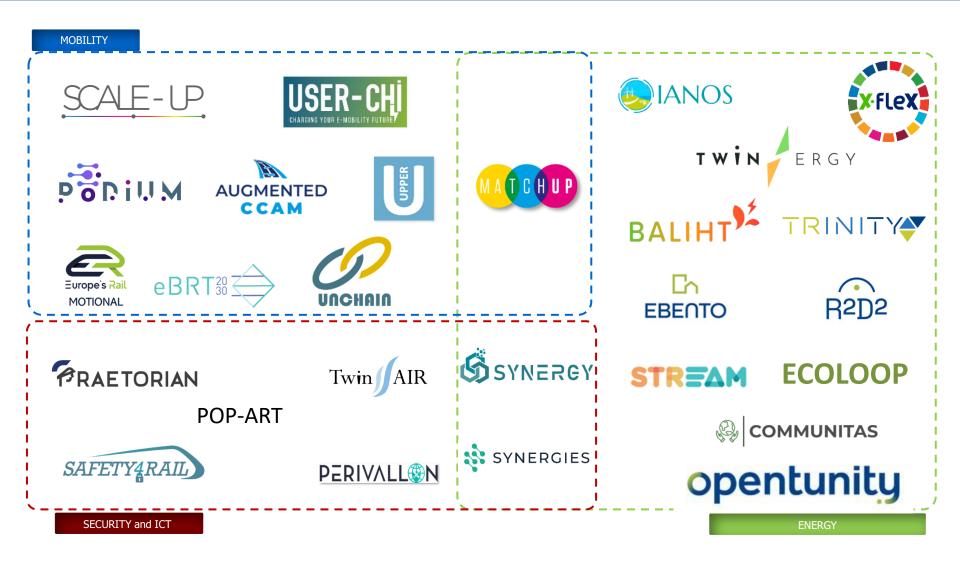
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- ETRA Investigación y Desarrollo. S.A. (ETRA I+D) is the hi-tech unit within ETRA Group, one of the leading industrial groups in Spain.
- With 2,000 employees around the world, ETRA is a large business group dedicated to putting at the service of society the most advanced technologies in the areas of smart energy, mobility, security and communications.
- ETRA provides smart solutions for the entire energy value chain, from generation to transport, distribution, retailing and active consumption of electricity.
- With more than 60 FP7, H2020 and HE projects, more than 20 coordinated, ETRA I+D is ranked among the **top 1% most innovative companies in Europe.**
- ETRA I+D is leading the ranking of Spanish companies in the field of energy RTD in Europe (e.g., X-FLEX, OPENTUNITY, TRINITY, EBENTO, R2D2...)

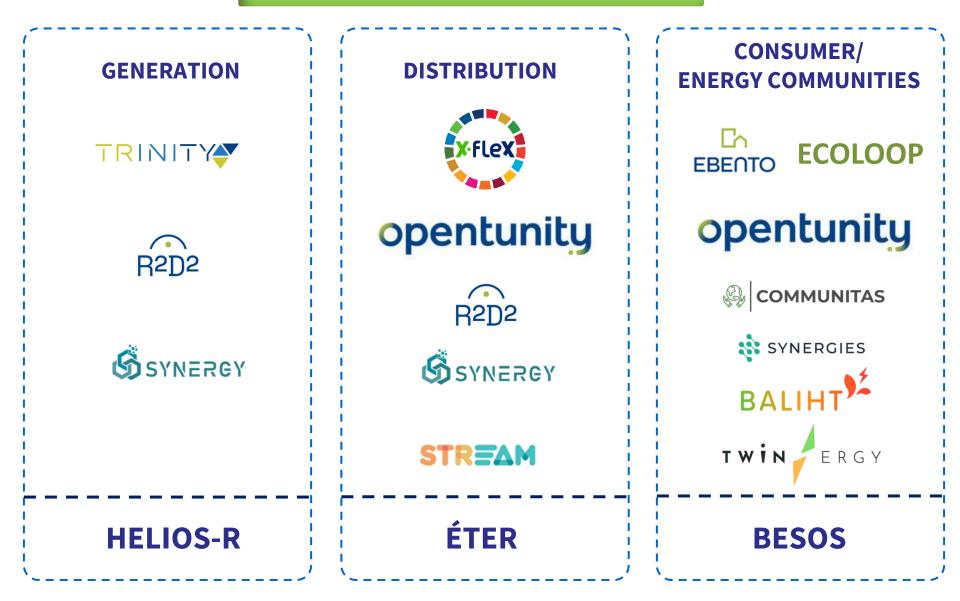


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ENERGY



2. Topics of interest in calls 2024

Торіс	Experience and Contribution
HORIZON-CL5-2024-D3-01-12: Energy Management Systems for flexibility services	Core of ETRA I+D projects and developments
HORIZON-CL5-2024-D3-01-17: Development and integration of advanced software tools in SCADA systems for High, Medium and Low voltage AC/DC hybrid systems	Core of ETRA I+D projects and developments
HORIZON-CL5-2024-D3-01-16: Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems	For storage management systems ETRA has its own EMS capable to incorporate new functionalities and communication with different elements.
HORIZON-CL5-2024-D3-01-13: DC and AC/DC hybrid transmission and distribution systems	Software to manage and control transmission and distribution (previous projects experience)
HORIZON-CL5-2024-D3-01-11: AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market	Al expertise on the use of new techniques for predictive maintenance (Grid, PV systems)
HORIZON-CL5-2024-D4-01-02: Smart grid-ready buildings	Projects linked with smart grids and buildings considering them as a new actor for providing flexibility to the grid

2. Topics of interest in calls 2024

Торіс	Project idea and partners sought
HORIZON-CL5-2024-D3-01-12: Energy Management Systems for flexibility services	
HORIZON-CL5-2024-D3-01-17: Development and integration of advanced software tools in SCADA systems for High, Medium and Low voltage AC/DC hybrid systems	Internal discussions possible Internal discussions Internal discussions
HORIZON-CL5-2024-D3-01-16: Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems	discussions pos
HORIZON-CL5-2024-D3-01-13: DC and AC/DC hybrid transmission and distribution systems	Internatio collabor
HORIZON-CL5-2024-D3-01-11: AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market	
HORIZON-CL5-2024-D4-01-02: Smart grid-ready buildings	