

ETRA I+D CAPACITIES AND INTERESTS

ETRA Investigación y Desarrollo SA

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etra I+D

1. organization and capacities

- 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...)**



1. organization and capacities

MOBILITY

SCALE-UP

USER-CHI
CHARGING YOUR E-MOBILITY FUTURE

PODIUM

AUGMENTED
CCAM

UPPER

MATCHUP

IANOS

xflex

TWIN ENERGY

BALIHT

TRINITY

Europe's Rail
MOTIONAL

eBRT²⁰/₃₀

UNCHAIN

EBENTO

R2D2

RAETORIAN

Twin AIR

SYNERGY

STREAM

ECOLOOP

POP-ART

SAFETY4RAIL

PERIVALLON

SYNERGIES

COMMUNITAS

opentunity

SECURITY and ICT

ENERGY

1. organization and capacities

ENERGY

GENERATION

TRINITY 


R2D2

 SYNERGY

HELIOS-R

DISTRIBUTION



opentunity


R2D2

 SYNERGY

STREAM

ÉTER

CONSUMER/ ENERGY COMMUNITIES

 EBENITO  ECOLOOP

opentunity

 COMMUNITAS

 SYNERGIES

BALIHT 

TWIN  ENERGY

BESOS

2. Topics of interest in calls 2024

Topic	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	AI 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

Topic	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	
HORIZON-CL5-2024-D3-01-16: Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems	
HORIZON-CL5-2024-D3-01-13: DC and AC/DC hybrid transmission and distribution systems	
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	

Internal discussions on going.
Open to discuss possible collaborations