



Demand Response. Including energy efficiency, demand shifting and shaving. Energy Management with valuable active end-user engagement.



Smartening the Distribution Grid (DG). Renewable Energy Sources (RES) and Distributed Energy Resources (DERs) integration within Virtual Power Plant (VPP) aggregators.



Energy Storage. Direct electricity storage in batteries or conversion to other forms of energy (chemical, hydrogen, etc.)



Electric Vehicle (EV) Integration. Smart, bidirectional EV energy exchange, smart charging and fleet management.



@inteGRIDy_H2020

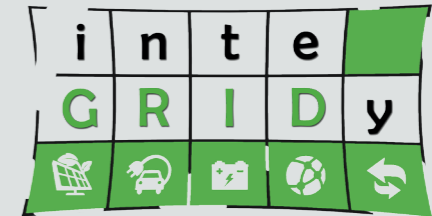


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INTEGRATED SMART GRID CROSS-FUNCTIONAL SOLUTIONS FOR OPTIMIZED SYNERGETIC ENERGY DISTRIBUTION, UTILIZATION STORAGE TECHNOLOGIES



Impact and validation

- ▶ **inteGRIDy** project integrates cutting-edge technologies, solutions and mechanisms in a scalable Cross-Functional Platform of replicable solutions to connect existing energy networks with diverse stakeholders.
- ▶ **inteGRIDy** offers enhanced observability of both generation and consumption profiles, facilitating the optimal and dynamic operation of the distribution grid, fostering the stability of the electricity grid and coordination of distributed energy resources, virtual power plants and innovative collaborative storage schemes within a continuously increased share of renewable energy.
- ▶ **inteGRIDy** innovations will be employed with real customers and energy networks and tested on field in a total of 10 pilot sites, distributed among 8 different EU countries.

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Demonstrators and their location

