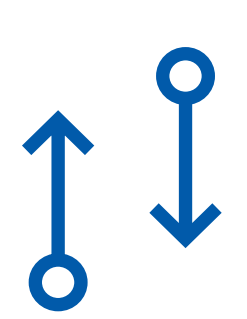




Data-driven Residential Energy Carrier-agnostic Demand Response Tools and Multi-value Service

Dedalus is a 3-year project that aims at designing, developing, and demonstrating a demand-response ecosystem for residential buildings. This ecosystem optimizes and manages automated demand response and caters to all energy carriers.



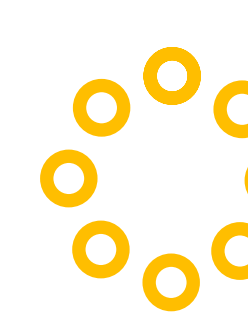
Business level

- 15%** Increase in the energy-efficient of the pilot buildings, and cheaper energy bills for residents thanks to DR
- 15%** Cost reduction of the overall energy system
- >25%** Reduction of demand response transaction costs after 5 years



Technological level

- 12%** Smart residential asset types ready for demand response after 3 years
- >=7** New aggregation models and data-driven services
- >=2** Digital twins to facilitate consumer activation and market participation



Social level

- 45%** Increased share of energy consumption data by active consumers after 5 years
- >18-20%** Carbon emission reduction in the areas of the 7 pilots
- 15-20%** Increased share of aggregated flexibility achieved by piloted assets

During the project, the Dedalus framework is applied, implemented, and validated in 7 real-life pilots across Europe.



DISCOVER
MORE:
www.dedalus-horizon.eu



@DEDALUS-EUproject



@DEDALUS-EU



@DEDALUS-EU



@DEDALUS-EU



Meet our Partners



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the Granting Authority. Neither the European Union nor the granting authority can be held responsible for them.