



SORPTION STORAGE  
LATENT STORAGE  
ELECTRICAL STORAGE

Zeolite Aluminium heat exchanger  
Refrigerant/PCM/Water heat exchanger  
Direct Current Controller

# HYBUILD

## Innovative compact hybrid storage systems for low energy buildings

- Coordinator : COMSA
- Project Start : October 2017
- Duration : 4 years
- Total budget: 6M€

Energy storage is a key component in providing flexibility and supporting renewable energy integration in the energy system and can efficiently contribute to the decarbonisation of buildings.

HYBUILD will develop two innovative compact hybrid electrical/thermal storage systems with solar thermal and PV for stand-alone and district connected buildings controlled by an optimisation-based Building Energy Management System.

HYBUILD aims at developing cost-effective and environmental-friendly solutions, while ensuring comfort conditions in residential buildings located in two different climates: Mediterranean climate where cooling is critical; and Continental climate where a stronger focus is put on heating demand.



HYBUILD storage solutions will be demonstrated across 3 pilot sites.

- Bordeaux France



- Aglantzia Cyprus



- Almatret Spain



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