

SELF CONSUMPTION OF RENEWABLE ENERGY BY HYBRID STORAGE SYSTEMS

SCORES

SCORES combines and optimizes the multi-energy generation, storage and consumption of local renewable energy (electricity and heat) and grid supply, bringing new sources of flexibility to the grid, and enabling reliable operation with a positive business case in Europe's building stock.

The SCORES concept is based on a hybrid system combining effectively and efficiently solutions that harvest electricity and heat from the sun, store electricity, convert electricity into heat, store heat, and manage the energy flows in the building.

DEMONSTRATION

Demonstration of the integrated hybrid energy system takes place in two real buildings representative of different climate and energy system configurations for 3 cases, in Southern Europe (France) without a heat grid, and in Northern Europe (Austria) with and without a heat grid.

- 1 Agen (FR)
- 2 Gleisdorf (AT)





GOAL


The main goal of the SCORES project is to demonstrate in the field the integration, optimization and operation of a building energy system including new compact hybrid storage technologies, that optimizes supply, storage and demand of electricity and heat in residential buildings and that increases self-consumption of local renewable energy in residential buildings at the lowest cost.

PARTNERS



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