

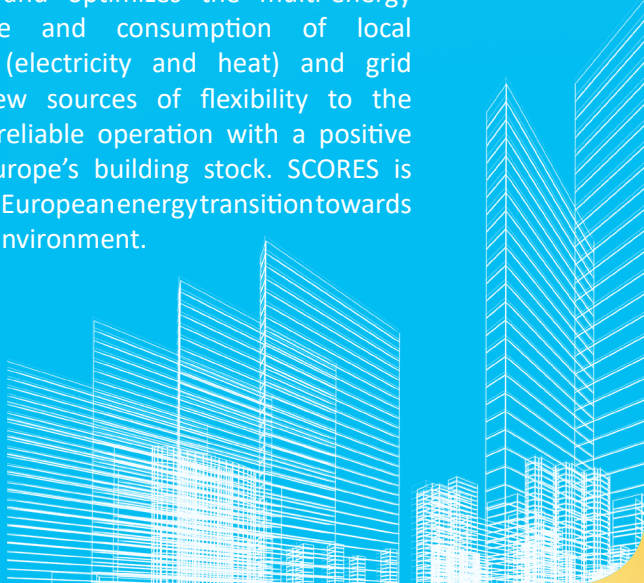


Self Consumption Of Renewable Energy by hybrid Storage systems

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. SCORES is a gamechanger in the European energy transition towards a zero-energy built environment.



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DEMONSTRATION

Demonstration of the integrated hybrid energy system will take place in **two real buildings** representative of different climate and energy system configurations for three cases, in **Northern Europe (Austria)** with and without a heat grid, and in **Middle/Southern Europe (France)** without a heat grid. Through smart combination and optimization on the system level SCORES will evaluate technical, economic and environmental benefits being larger than the sum of their parts.

IMPACT

Impact of the SCORES system will be a broad assessment **covering various economical levels** like individual home owners, housing companies, grid owners, energy companies and governments, ecological issues and also the security of supply /reduced European dependence on fossil fuels originating from instable countries from across the globe.

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