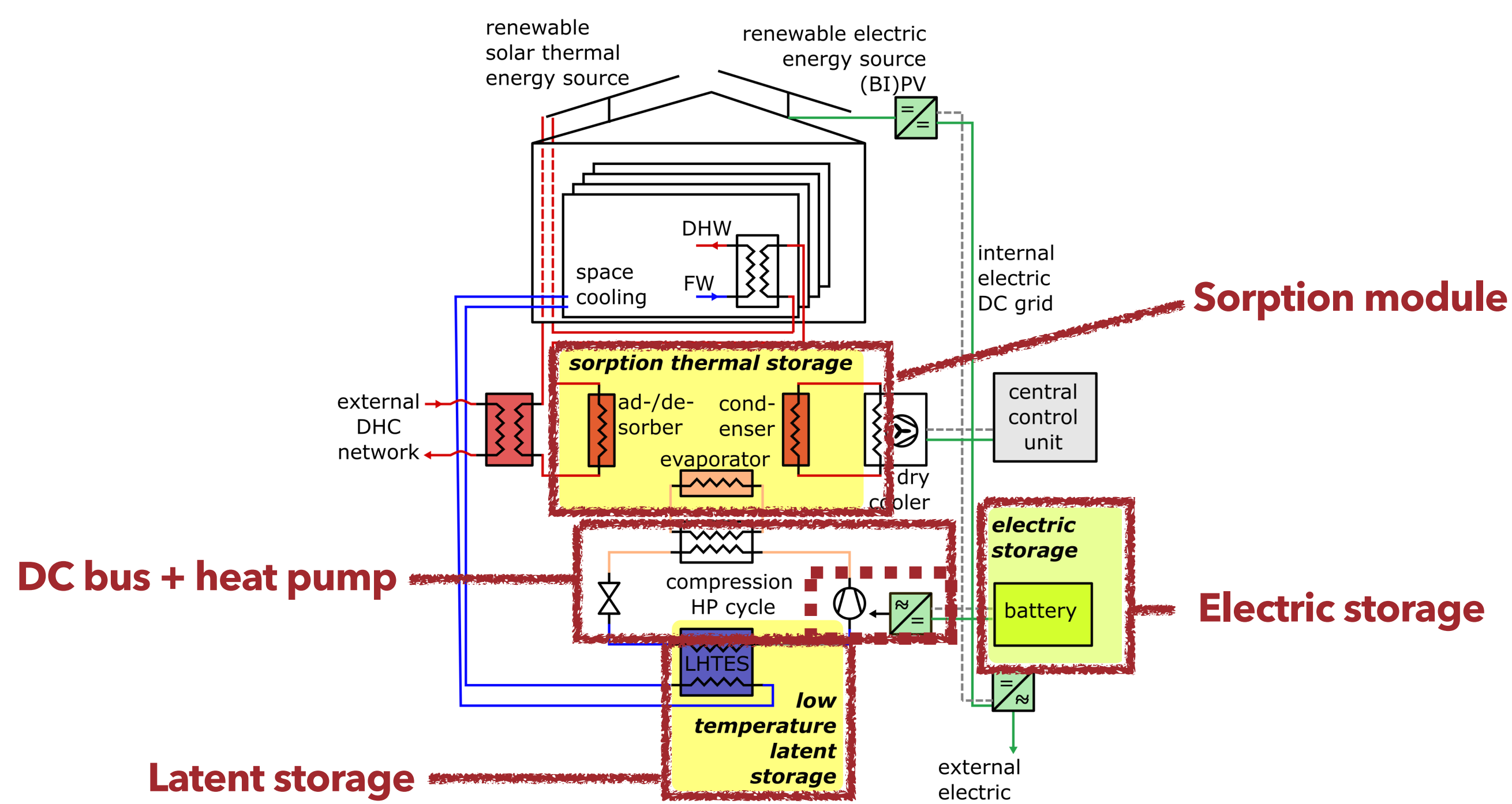


INTRODUCTION

HYBUILD is a four-year project that started in October 2017, with an overall EU contribution of 5,995,840 € in the framework of the H2020 programme. The consortium consists of 21 partners from 9 European countries coordinated by COMSA. HYBUILD will develop two innovative hybrid storage concepts: (1) For the Mediterranean climate primarily meant for cooling energy provision; (2) For the Continental climate primarily meant for heating and DHW production. The hybrid storage concepts are based on innovative components such as a compact sorption module, a high-density latent storage, reversible vapour compression heat pumps and a DC-bus interconnection. The whole systems will be properly managed by advanced controls and Building Energy Management Systems (BEMS). The developed solutions will be validated in three different demo-sites located in France, Spain, and Cyprus.

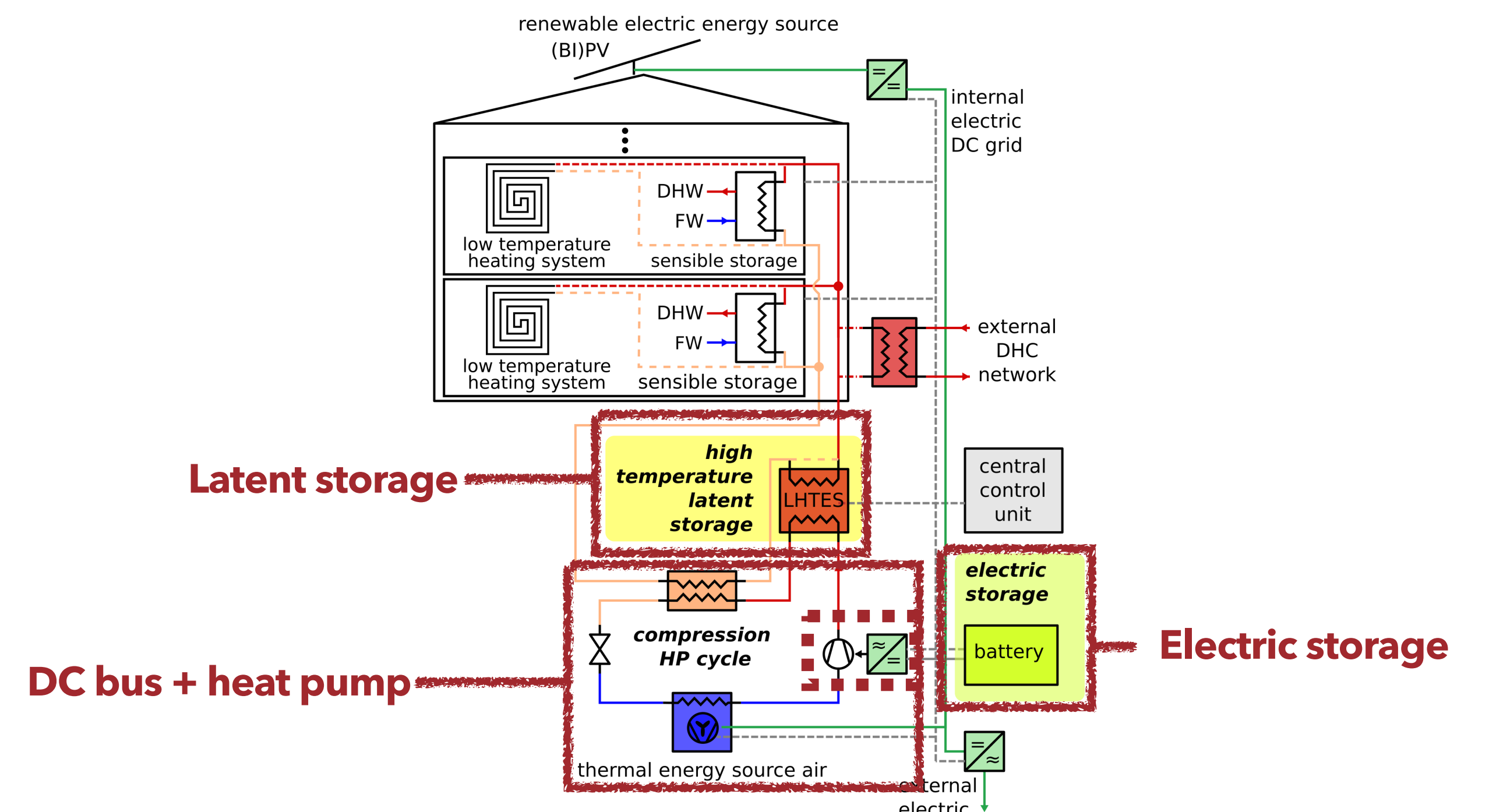
MEDITERRANEAN CONCEPT

Implementation of Fresnel solar collectors and PV panels connected to an innovative DC-driven heat pump that integrates a sorption and a latent thermal energy storage, and an electric energy storage. Main objective is to provide cooling in Mediterranean climate residential buildings.

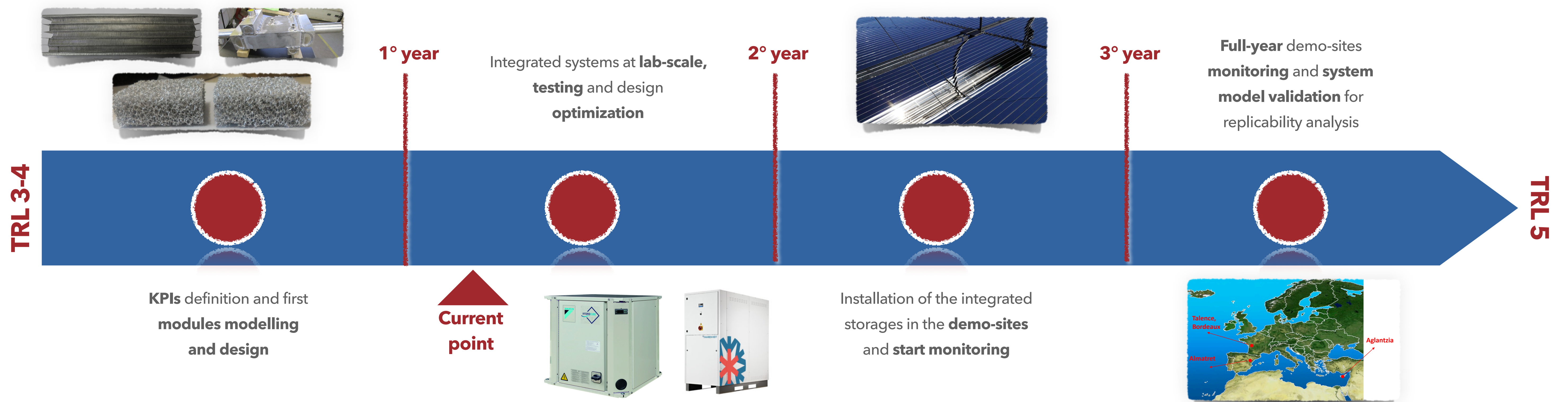


CONTINENTAL CONCEPT

Implementation of PV panels connected to an innovative DC-driven heat pump that integrates a latent thermal energy storage and an electric energy storage. Main objective is to provide heating and DHW in Continental climate residential buildings.



IMPLEMENTATION



PROJECT PARTNERS



PILOT SITES

Bordeaux
France



Aglantzia
Cyprus



Almatret
Spain

