

## DEMONSTRATION SITES

The LowUP systems were demonstrated at 5 sites in Seville, Madrid, Badajoz, Setubal and Gipuzkoa. The individual components have been designed and customized for each one of the sites.

### DEMO #1: PILOT OFFICE IN SEVILLE

#### SOLUTIONS

**HEAT-LowUP**

**COOL-LowUP**

#### TECHNOLOGY

Low temperature radiant floor technology provided by RDZ in combination with hybrid solar collectors by ENDEF.

**enDEF** Solar Solutions.

**RDZ**  
invisible heating and cooling

#### DEMONSTRATION CONCEPT

The goal is to use solar energy to heat an office space, using hybrid solar collectors which also produce electricity for the system, with a heat pump as a back-up system for the moments of solar absence.



### EXPECTED RESULTS

The system is expected to achieve thermal indoor comfort with lower temperature respect to actual technology, storing excess of heat efficiently for low solar radiation periods, improving energetic consumption of the system and minimising the architectural impact.