



**LIFE14 Climate Change Adaptation CCA/IT/000939**

**DELIVERABLE - Installation of Notice Boards at  
partner e stakeholders premises**

Number of the associated action: E1

**LIFE HEROTILE**



Reporting Date  
<31/10/2015>



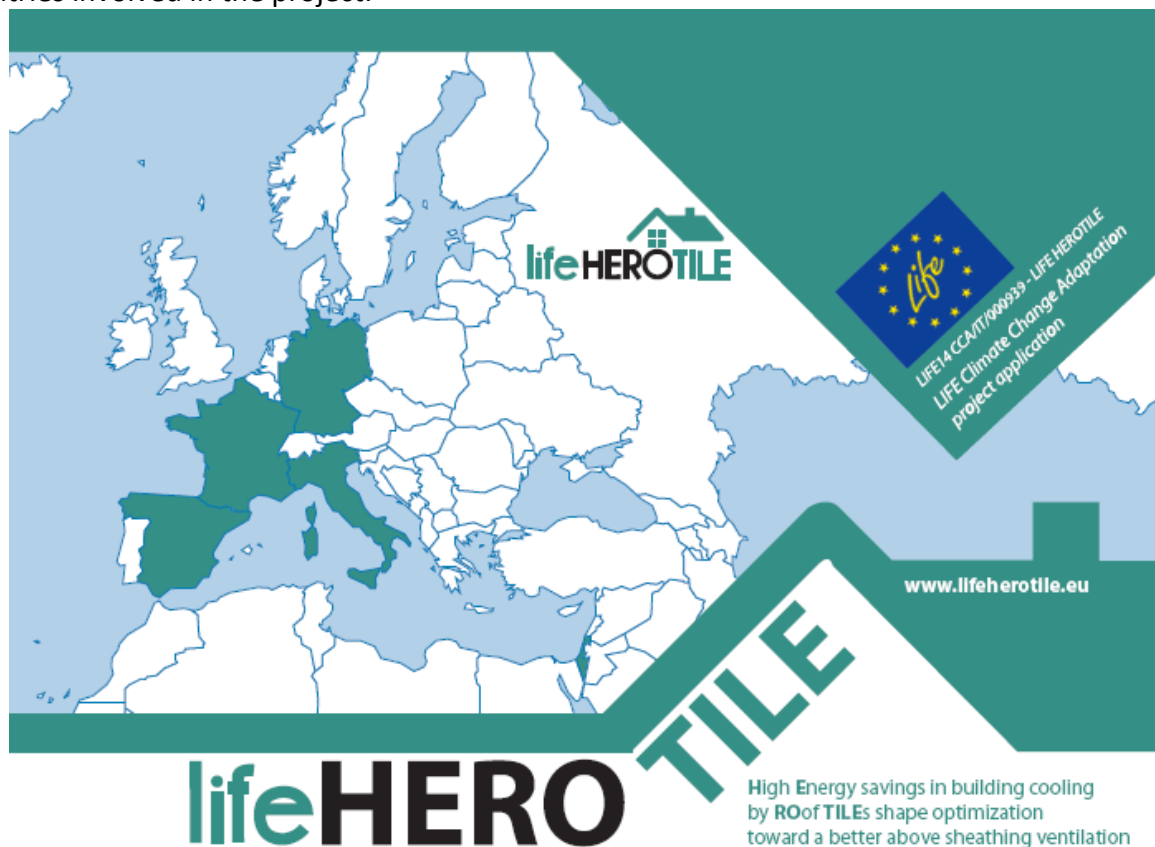
With the contribution of the LIFE financial instrument of the European  
Community

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## 1. GRAPHIC OF THE NOTICE BOARD

The notice board was realised in A0 or A1 format, using the logo colours and the map of the countries involved in the project.



### PROJECT FRAMEWORK

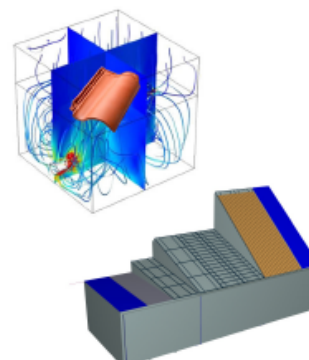
Life HEROTILE is supported by the European Commission through the Life programme with a grant up to 1.5 million euro under contract number LIFE14 CCA/IT/000939. The project started on the 1st August 2015 and has a duration of 3 years with a total budget of 2.5 million Euros. The research will facilitate the development and implementation of energy savings approaches, mainly at Mediterranean Region, and will contribute to climate change mitigation with technologies and systems suitable for being replicated, transferred or mainstreamed.

### THE CHALLENGE

In Mediterranean regions the solar radiation in summer cause an overheating of the building envelope (roof and walls) and then of the indoor and the need for air-conditioning. Passive systems to limit solar effect mainly consist of ventilated facades and roofs. Roof is the most exposed element to solar radiation and this causes excessive heating of the attic and other rooms, so vented tiled roofs could be considered the best solution for passive thermal building insulation in hot and mild climates.

### MAIN OBJECTIVES

- Realize two pilot plants to produce two new types of roof tiles (Marseillaise and Portuguese tiles) with a shape characterized by a higher air permeability through the overlap of the tiles, and then a better energy performances by passive disposal of the solar radiation through under-tile ventilation;
- Two real scale test buildings, with seven different roofs each, will be made to test new tile performances in two different location (Italy and Israel) and two demonstrator buildings located in Mediterranean regions (Italy and Spain) have been chosen to test and quantify benefits of new tiles;
- On the basis of experimental data, will be realize in addition a practical and simplified free-license software for architects and technicians – SENSAPIRO Software Energy SAVings Pitched ROofs, able to predict the energy performance of the same building in changing only the roof configuration.



### COUNTRIES

Italy, France, Germany, Spain and Israel.

### PARTNERS



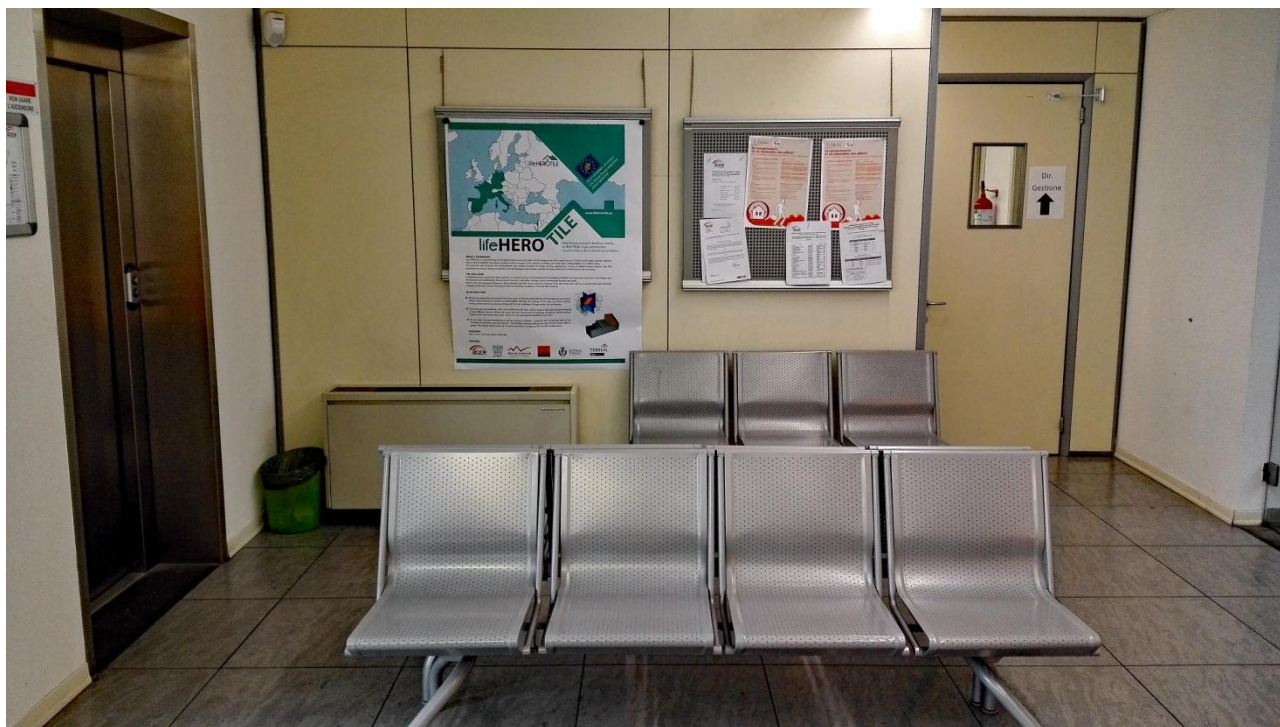
## 2. PICTURE GALLERY

The notice boards was placed at the project partners' premises:

### 2.1. Industrie Cotto Possagno

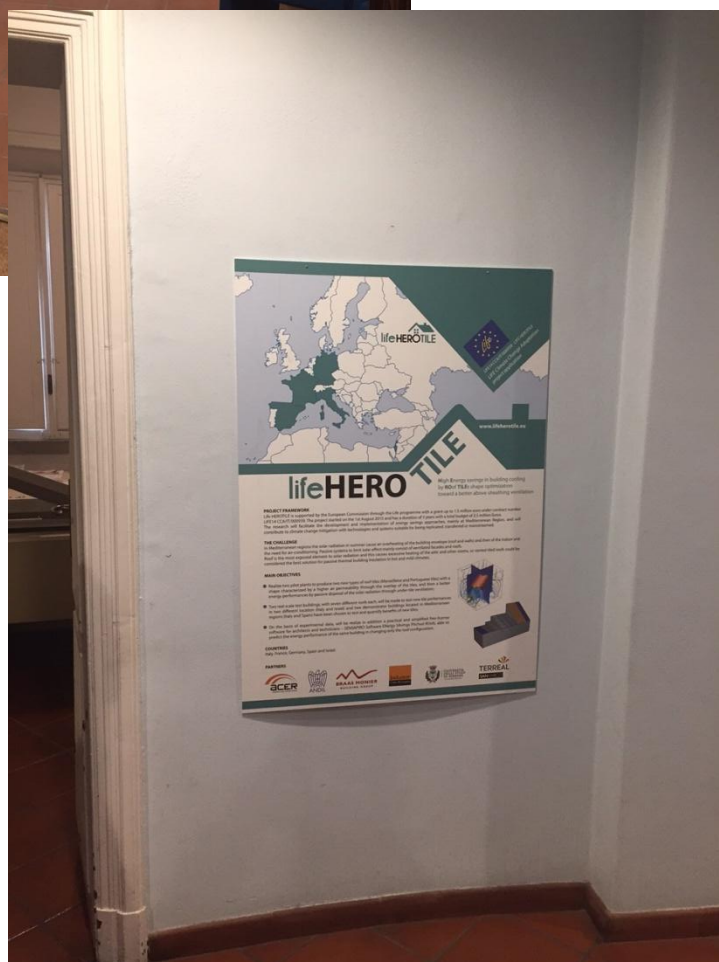


## 2.2. Azienda Casa Emilia Romagna di Reggio Emilia (ACER)





## 2.3. Associazione Nazionale degli Industriali dei Laterizi (ANDIL)

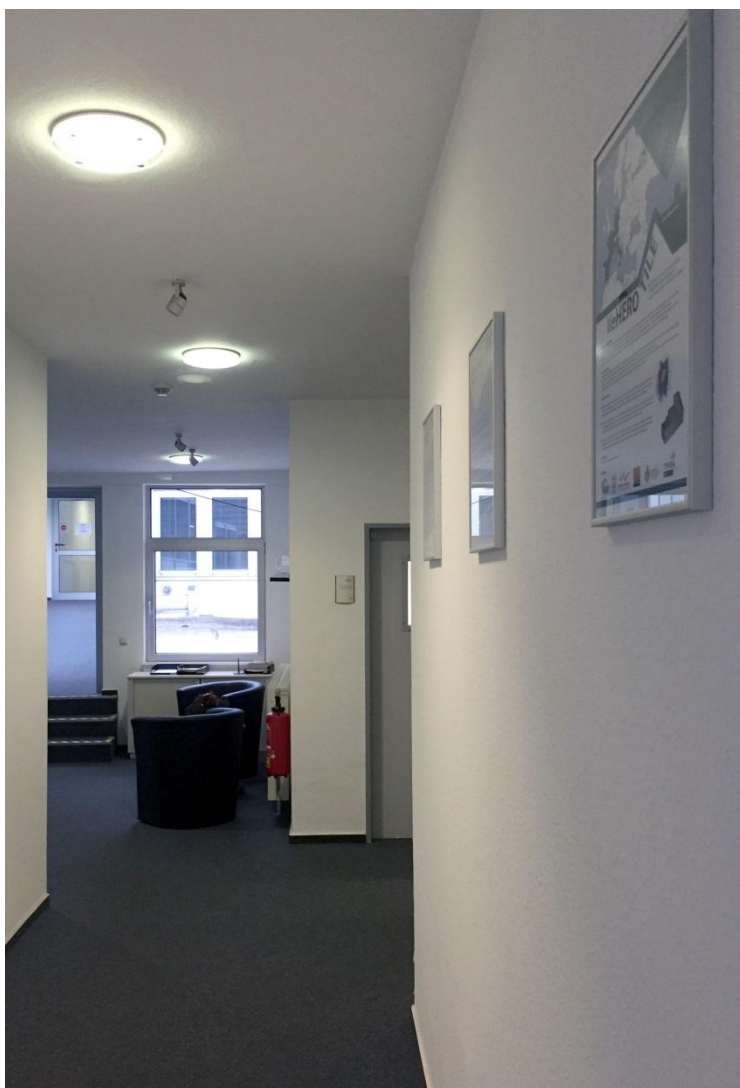


## 2.4. Monier Technical Centre, *part of Braas Monier Building Group* (MONIER TC)

### 2.4.1. Main Entrance to Monier Technical Centre

Poster displayed in prominent position at the entrance to the offices of Monier Technical Centre GmbH in Heusenstamm.

One of the first things anyone will see when visiting TC employees. Next to the offices of the Director and the administrative staff.



### 2.4.2. Wind Tunnel Hall



Located in the hall containing the Driving Rain Wind Tunnel that will be used in HEROTile project.

A main point of interest on the tour for any visitor to Heusenstamm, including roofers, architects and planners attending the Braas Monier Roofing Academy

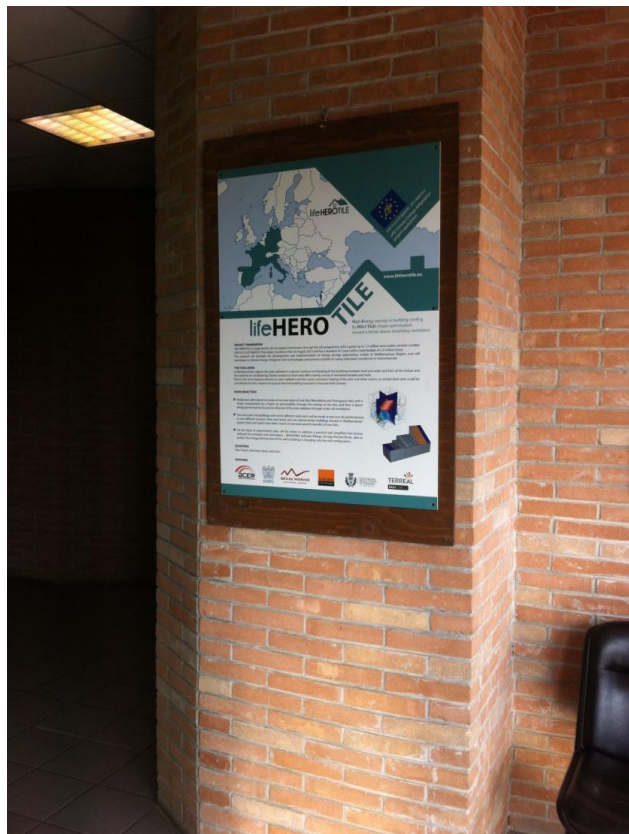
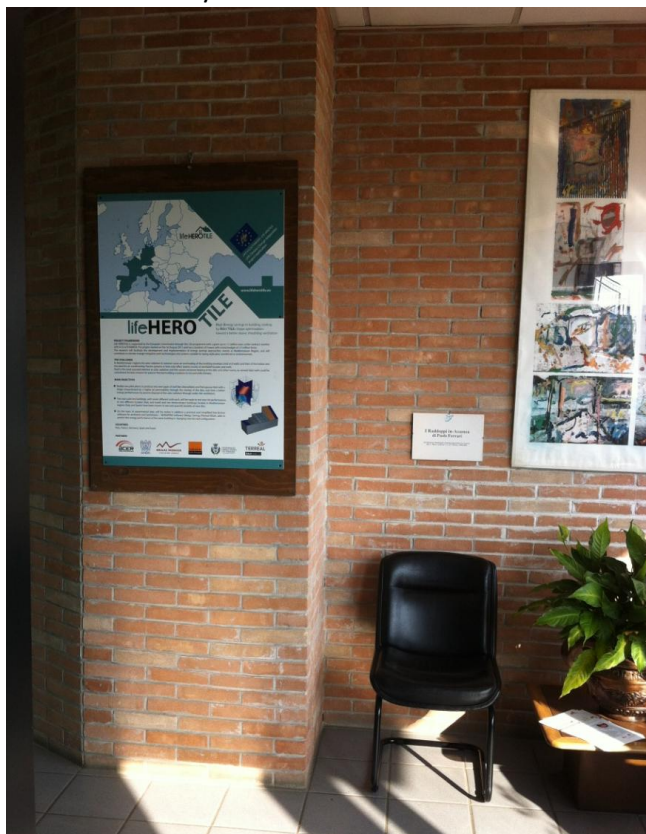


The hall also contains the Air Permeability rig, paid for by the HEROTile project and displaying the LIFE logo



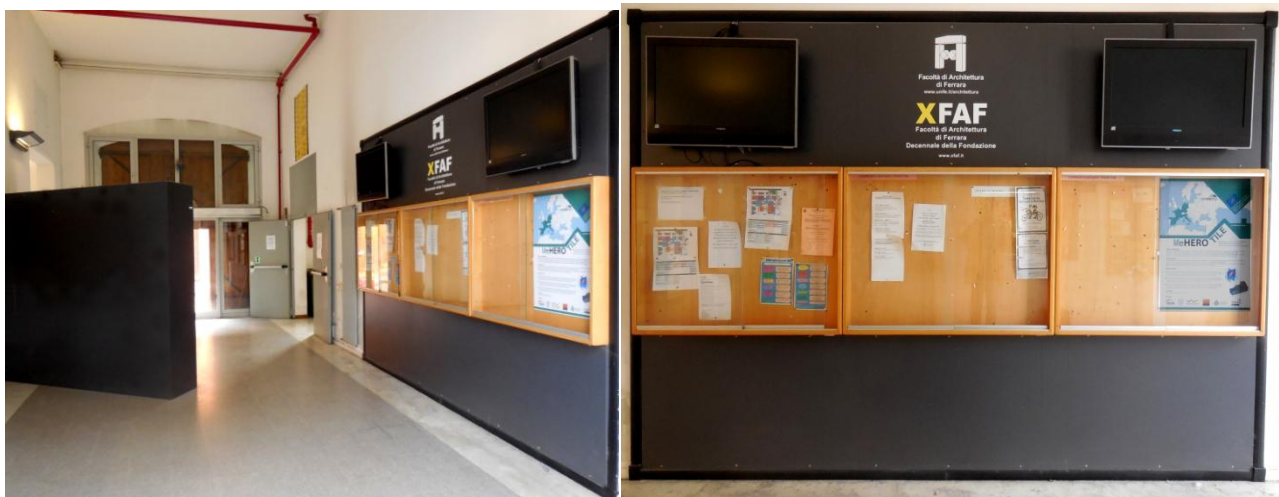
## 2.5. Terreal S.A.S., Sanmarco (TRL)

Installation c/o Noale



Installation c/o Castiglione Fiorentino

## 2.6. Università degli Studi di Ferrara (UNIFE)



Architecture Department: main entrance from Quartieri street



Prof. Michele Bottarelli office, 2° floor



Prof. Giovanni Zannoni office, 2° floor





Tencopolo: entrance from Saragat street



Office 25 (prof. Bottarelli) TekneHub c/o Tecnopolo



### **3. MOCK UP**

Two (2) notice board will be placed at mock up roof sites Possagno (Treviso – Italy) and Industrial Area Yerucham,

### **4. DEMONSTRATOR**

One (1) notice board will be placed at the real-scale demonstrator site with in Correggio (Italy) and one (1) at the realscale demonstrator site in Valencia Spain.