

MARIE TRAINING PROGRAM FOR IMPROVEMENT IN ENERGY EFFICIENCY (EE) OF EXISTING BUILDINGS

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	Energy rehabilitation at a lower cost made possible by internal wooden framing.
Code:	FR_RE_CO_19

Best Practice Description:

Type:	<input checked="" type="checkbox"/> Action for improvement in the EE	<input type="checkbox"/> Training experience (*)
Description:	Energy rehabilitation of a 6 apartments building of 4 levels located in a conservation area of Avignon (building previously abandoned and squatted.) <ul style="list-style-type: none"> • Rehabilitation with a modification of the structure using heavy concrete elements would have required special foundations, unaffordable for the contracting authority. The rehabilitation was made possible by a lighter solution that did not require such foundations: wood framing (including floor framing) bearing thermal insulation from the inside, hung to the existing masonry walls. • Insulation of vertical walls by projection of cellulose wadding + panels of cellulose wadding (air space between masonry and wood frame) • Roof modification and insulation with cellulose wadding • Creation of an inner courtyard to create natural lighting 	

Location:	Avignon	Country:	France
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Contact (team):	Olivier Gaujard, Gaujard Technologies SCOP 10 avenue de la Croix Rouge AVIGNON 84000 +33 4 90 86 16 96
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Type of building:	<input type="checkbox"/> Tertiary	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Mixed
Property:	<input type="checkbox"/> Public	<input checked="" type="checkbox"/> Private	<input type="checkbox"/> Mixed
Management:	<input type="checkbox"/> Public	<input checked="" type="checkbox"/> Private	<input type="checkbox"/> Mixed
Fields of action:	<input checked="" type="checkbox"/> Construction	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Use
	<input type="checkbox"/> Energy generation and distribution		<input type="checkbox"/> Other
	<input type="checkbox"/> Replacement or implementation of renewable energies		

Please, evaluate if the following processes take place in the Best Practice that you are describing in this form:

The data collection has been complete and rigorous	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Communication and awareness processes have been developed to disseminate this practice	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Training actions have been provided	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Product and services have been improved

<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Jobs have been created

<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Sustainable financial models have been applied

<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Agreements or **collaboration models** have been defined between parties

<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Positive impact tested in the following fields (add quantitative data if you have):

ENERGY EFFICIENCY IMPROVEMENT (EE)	Improvement of energy efficiency by at least 40%.
FINANCIAL COVERAGE	Minimization of the rehabilitation cost by using a light infrastructure, which does not require specific and expensive foundations.
EMPLOYABILITY POTENTIAL	
OTHER	
DIFFICULTIES	Difficulties for accessing the narrow streets of the old city center.

Agents involved in this experience:

<input type="checkbox"/>	Legislation agencies
<input type="checkbox"/>	Public promoters
<input type="checkbox"/>	Private promoters
<input type="checkbox"/>	Technical public institutions
<input type="checkbox"/>	Technicians of the private sphere (professional associations ...)
<input type="checkbox"/>	Builders
<input type="checkbox"/>	Industrial
<input type="checkbox"/>	Facility Managers (property managers, cleaning companies ...)
<input type="checkbox"/>	Energy supply companies
<input type="checkbox"/>	Users/owners (homeowners association, schools ...)
<input type="checkbox"/>	Other:
GAPS	

(*) **RR_BB_FF_NN**

RR Country: **CY** (Cyprus), **FR** (France), **GR** (Greece), **IT** (Italy), **MT** (Malta), **PO** (Portugal), **SL** (Slovenia), **SP** (Spain)

BB Type of building: **RE** (residential), **TE** (tertiary), **MX** (mixed)

FF Field of action: **CO** (construction), **MA** (maintenance), **US** (use), **EN** (energy generation and distribution), **OT** (other)
(in case of affecting more than one field of action choose the most relevant)

NN Number of the practice: **01, 02, 03...**

(*)IN CASE OF A TRAINING EXPERIENCE:

Course name:	
Duration:	
Web:	
Director/a:	
Who is it aimed:	
Objectives:	
Program:	
Methodology:	

I agree to bring this experience to the database of the MARIE project, which will create a comprehensive training program for improving the energy efficiency of buildings in the area of the Mediterranean.