

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

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	Comprehensive energy efficiency rehabilitation – Olivier Cadart
Code:	FR_RE_CO_18

Best Practice Description:

Type:	<input checked="" type="checkbox"/> Action for improvement in the EE	<input type="checkbox"/> Training experience (*)
-------	--	--

Description:	<p>Transformation, in the old city center, of an old hotel into social housing (12 apartments building) with a tourism office, a medical center and a bank agency on the ground floor.</p> <ul style="list-style-type: none"> • Thermal insulation on the inside of the walls giving onto the street • Addition of a south-facing conservatory (with no wall insulation) on the side facing the courtyard • Loft insulation • Double glazing wooden joineries • Mechanical ventilation: single flow • Collective solar heater (with calorie count) • Programming timer in each flat • Measuring, for each flat, of electricity and domestic hot water consumptions.
--------------	---

Location:	Annot	Country:	France
-----------	-------	----------	--------

Contact (team):	Olivier Cadart Architecte 6 place de la Pignotte, Avignon 84000 +33 4 90 85 12 78
-----------------	---

Type of building:	<input type="checkbox"/> Tertiary	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Mixed
Property:	<input type="checkbox"/> Public	<input type="checkbox"/> Private	<input checked="" type="checkbox"/> Mixed
Management:	<input type="checkbox"/> Public	<input type="checkbox"/> Private	<input checked="" type="checkbox"/> Mixed
Fields of action:	<input checked="" type="checkbox"/> Construction	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Use
	<input checked="" type="checkbox"/> Energy generation and distribution		<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Replacement or implementation of renewable energies		Solar thermal sensors

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

	Yes	No
The data collection has been complete and rigorous	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Communication and awareness processes have been developed to disseminate this practice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Training actions have been provided	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Product and services have been improved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jobs have been created	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sustainable financial models have been applied	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Agreements or collaboration models have been defined between parties	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Positive impact tested in the following fields (add quantitative data if you have):

ENERGY EFFICIENCY IMPROVEMENT (EE)	Improvement of energy efficiency by at least 20%.
FINANCIAL COVERAGE	
EMPLOYABILITY POTENTIAL	
OTHER	<ul style="list-style-type: none"> • The operation was the object of articles in the local newspapers and was highlighted by the <i>Direction Départementale des Territoires et de la Mer (DDTM)</i> (Departmental Management Of Territories and Sea) • It was also the object of exchanges between the teams working on the project and the solar panels producer. • Good collaboration between prime contracting and construction companies: particularly between design offices and shell work and plumbing companies (solar hot water) • Surface has been gained by digging under the building • Some architectural elements revealing the historical memory of the site have been preserved and highlighted
DIFFICULTIES	Some demolition work and asbestos removal was first necessary.

Agents involved in this experience:

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

GAPS	<p>Training needs:</p> <ul style="list-style-type: none"> • Inter-trade collaboration for project's coherence: <ul style="list-style-type: none"> ○ Between architects and engineering consultancy offices (= between architectural design and equipments) ○ Between engineering offices and companies • Regarding new technologies and products to have some suggestions fitted to the specific situation, instead of standard answers (rarely perfectly adapted), including training for building control offices • Regarding the environmental quality of buildings, particularly for project owners and building control offices
-------------	--

(*) 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.