

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

**F1 | BEST PRACTICES COLLECTION**

Best Practice Name:   
 Code:

Best Practice Description:

Type:  Action for improvement in the EE  Training experience (\*)

Description:

Location:  Country:

Contact (team):

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 type="checkbox"/> Construction	<input checked="" type="checkbox"/> Maintenance	<input checked="" type="checkbox"/> Use
	<input type="checkbox"/> Energy generation and distribution		<input type="checkbox"/> Other
	<input type="checkbox"/> Replacement or implementation of renewable energies		<i>AIR SOURCE HEAT PUMP</i>

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

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

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

<b>ENERGY EFFICIENCY IMPROVEMENT (EE)</b>	<i>The following actions have been applied</i> 1. Replacement of an old oil fired boiler with an Air-Water Heat Pump (16KW – 3,21 COP) 2. Thermal insulation (5cm and 8cm thick graphitated EPS) installation to non insulated walls
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	<p>3. Replacement of existing window glazing (single glazed) with double glazing of U=1W/m<sup>2</sup>K</p> <p>The results after 4 months of upgrade application are remarkable. It is estimated that energy saving will reach 209kWh/m<sup>2</sup>/year (66,9% compared to initial state). Regarding cost saving, energy bills have reduced to 1/3 (for the last 4 months) due to the upgrade and it is estimated that the total cost saving will reach 3,500euros (compared to an initial 5000 euros estimation)</p>
<b>FINANCIAL COVERAGE</b>	The upgrade is partially funded (70% of initial budget) By Greek Ministry of Energy (Energy Efficiency Improvement In Residential Building Program)
<b>EMPLOYABILITY POTENTIAL</b>	<i>How many jobs have been generated as a result of this experience? What is the potential employment? In the case of training, has been tracking people formed? How many people have been employed because of the training? The programs include practices in enterprises or institutions? It has been proved that this training has meant a real professional job?</i>
<b>OTHER</b>	The energy efficiency upgrade has raised owner's energy saving awareness in practice as cost saving results are remarkable and noticeable.
<b>DIFFICULTIES</b>	The multi-step program process (involving Ministry of Energy, Bank Institute, contractors) has delayed the overall construction time of the project

Agents involved in this experience:

	Legislation agencies
	Public promoters
	Private promoters
	Technical public institutions
x	Technicians of the private sphere (professional associations ...)
	Builders
	Industrial
	Facility Managers (property managers, cleaning companies ...)
	Energy supply companies
x	Users/owners (homeowners association, schools ...)
	Other: Energy Assessor – Energy Consultant
<b>GAPS</b>	<i>Needs of training without known offer, related or not with this experience</i>

(\*) 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:	<i>Training hours/ECTS</i>
Web:	
Director/a:	
Who is it aimed:	<i>Profile of trainees</i>
Objectives:	<i>What enables this training?</i>
Program:	
Methodology:	<i>Format (face-to-face, on-line), structure of sessions, visits, case studies, evaluation systems, dynamic sessions, other aspects ...</i>

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.