

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

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	Labeling of a refurbishment program – “Label Rénovation énergétique Promotélec – Mention BBC Effinergie” (label for buildings, whose very low energy needs contribute to reduce GHG emissions by 4 by 2050).
Code:	FR-RE-CO-14

Best Practice Description:

Type:	<input checked="" type="checkbox"/> Action for improvement in the EE	<input type="checkbox"/> Training experience (*)
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Description:	<p>The Promotélec association established a technical prescriptions book allowing contracting authorities which respect this frame of reference to obtain the “Label Rénovation énergétique Promotélec” label.</p> <p>- Supporting the contracting authority: Knowing that a good quality renovation is not something that can be improvised, the label requires the contracting authority to be supported by an energy performance professional to start the project. The mission of the professional is to:</p> <ul style="list-style-type: none"> • Visit the dwelling and make a thermal assessment with the 3CL method (Housings’ Conventional Consumption) and ThCex method (energy performance of buildings with a living surface superior to 1000 m²), in order to measure the energy performances of the dwelling and simulate the impact of the refurbishment program. • Check the electric safety of the dwelling and have it checked out. • Formulate a comprehensive renovation offer, respecting the technical prescriptions book of the Promotélec label. • Assist the contracting authority in filing its labeling application. <p>- Security, energy consumption and housing quality certification:</p> <ul style="list-style-type: none"> • At the end of the refurbishment, Promotélec Services make an on-site inspection in order to ensure that the renovation has been made in compliance with the technical prescriptions book, and that the energy performance respects the levels required by the label.
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Location:	Nice	Country:	France
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Contact (team):	Pascal Carrez – Regional Delegate Promotélec pascal.carrez@promotelec.com - 0675750210		
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Type of building:	<input type="checkbox"/> Tertiary	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Mixed
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Property:	<input type="checkbox"/> Public	<input checked="" type="checkbox"/> Private	<input type="checkbox"/> Mixed
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Management:	<input type="checkbox"/> Public	<input checked="" type="checkbox"/> Private	<input type="checkbox"/> Mixed
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Fields of action:	<input checked="" type="checkbox"/> Construction	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Use
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	<input type="checkbox"/> Energy generation and distribution	<input type="checkbox"/> Other
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	<input type="checkbox"/> Replacement or implementation of renewable energies	<i>Which ones?</i>
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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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Product and services have been improved	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jobs have been created	<input checked="" type="checkbox"/>	<input 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)	<p>The project consisted in renovating a residential bloc of 18 dwellings in Nice. After the refurbishment, the energy efficiency improvement exceeds 20% and the conventional energy consumption is 61 kWh $E_p/m_{\text{net floor area}}^2/\text{year}$.</p> <p>The refurbishment program:</p> <ul style="list-style-type: none"> - Thermal insulation from the outside of the walls: 10 cm of insulating material - Thermal insulation from the inside of the walls: 4 cm of insulating material - Thermal insulation of the walls facing unheated corridors: 8 cm of insulating material - Roof insulation: 10 cm of insulating material - Installation of a gas condensing boiler - Low temperature radiators - Installation of thermostatic taps on radiators + programmer <p>This renovation allowed to obtain the “Effinergie renovation” label.</p>
FINANCIAL COVERAGE	
EMPLOYABILITY POTENTIAL	No job creation may be directly attributed to the construction program, however it creates additional revenues for companies appointed to the rehabilitation market and, as such, allowed companies to pursue their development.
OTHER	Improvement of occupants’ comfort.
DIFFICULTIES	To obtain the “Label Rénovation énergétique Promotélec – Mention BBC Effinergie”, it is required to pass an airtightness test. Companies had some troubles obtaining sufficient airtightness. Necessity to guide companies in their upskilling with energy renovation practices.

Agents involved in this experience:

<input type="checkbox"/>	Legislation agencies
<input type="checkbox"/>	Public promoters
<input checked="" type="checkbox"/>	Private promoters
<input type="checkbox"/>	Technical public institutions
<input checked="" type="checkbox"/>	Technicians of the private sphere (professional associations ...)
<input type="checkbox"/>	Builders

	Industrial
	Facility Managers (property managers, cleaning companies ...)
	Energy supply companies
	Users/owners (homeowners association, schools ...)
	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:	<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.