

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

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	SOLAR THERMAL INSTALLATION IN A RESIDENTIAL BUILDING
Code:	SP_RE_EN_01

Best Practice Description:

Type:	<input type="checkbox"/> Action for improvement in the EE	<input checked="" type="checkbox"/> Training experience (*)
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Description:	The project, which has been executed using the model ESCO, consists of a Solar Thermal Installation in a building with 32 housing units. The company is in charge of the investment and maintenance of the solar installation, and in exchange, the neighbours will pay during the following six years the savings this installation will produce. Once the six years have passed, the installation and its savings will be returned to the neighbour community. With this action we can prove that this Community, paying in concept of energy the exact amount as they would pay if the solar thermal installation hadn't been made, will be able to amortize it in six years time with the economical savings generated by the reduction of the fuel consumption (natural gas).
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Location:	Barcelona	Country:	Spain
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Contact (team):	Xavier Boguña Gerent Energia Renovable Solsolar s.l. c/Pere Calders 24 (08339)Vilassar de Dalt 609072891 info@solsolar.cat www.solsolar.cat
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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 type="checkbox"/> Construction	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Use
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	<input checked="" type="checkbox"/> Energy generation and distribution	<input type="checkbox"/> Other
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	<input type="checkbox"/> Replacement or implementation of renewable energies	
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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 type="checkbox"/>	<input checked="" type="checkbox"/>
Communication and awareness processes have been developed to disseminate this practice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Training actions have been provided	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Agreements or collaboration models have been defined between parties	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

ENERGY EFFICIENCY IMPROVEMENT (EE)	During the first year working with the Solar Thermal Installation, the gas consumption has been reduced a 40%, comparing it with the previous historical consumption, due to the energy production of the STI.
FINANCIAL COVERAGE	The investment has been made by our company by bank financing and is recovered through the monthly invoicing of the savings made by the Community.
EMPLOYABILITY POTENTIAL	The STI has given work to 5 people during 7 weeks. We calculate that for every 100.000€ invested with continuity a new workplace could be created.
OTHER	The detected positive impact is of big interest to other communities wanting to introduce the presented model of STI.
DIFFICULTIES	The main difficulty to carry out this kind of action is the investment. In our opinion a public line of financing should be created, in which the guarantee would be the installation and the savings it produces.

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 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 checked="" type="checkbox"/>	Users/owners (homeowners association, schools ...)
<input type="checkbox"/>	Other:

GAPS	
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(*) 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...**