

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

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	Comprehensive renovation of collective housing										
Code:	FR-RE-CO-29										
Best Practice Descripti	on:	:									
Туре:	Χ	Action for improvemen	it in th	ie EE			Train	ing ex	cper	rience (*)	
Description:	Rehabilitation of 3 residential buildings R 10 (ground floor + 10 floors) - 125 units: • Energy audit prior to organizing the project. • Wall insulation from the outside: 20 cm glass wool + wooden cladding • Roof insulation: 10 cm polyurethane • Replacement of joinery										
	 Renovation of heating network (emission, regulation): replacement or radiators operating at temperature 40/60 °C. Returns are favored at 30/40 °C for condensation. Renovation of gas condensing boiler Production of solar hot water and solar photovoltaic electricity: 36 so panels on the roof with storage heating. Creation of a glycol network in rubbish storage shed and gas heating backup. Hygro-adjustable ventilation Class B 					olar n					
Location: Contact (team):		X-EN-PROVENCE				Cou	ıntry:			FRAN	√ICE
Type of building:	8, <u>a.</u>	lexis GRIZARD, PLB énd route de Galice 13090 Aix grizard@plbenergieco 4.42.95.77.90 Tertiary	x-en-P	rovei <u>fr</u>		ntial		-	_	Mixed	
Property:		Public	X							Mixed	
Management:		Public	X					Mixed			
Fields of action:	Χ	Construction		Ma	inte	nan	ce			Use	
	Χ	Energy generation and	distril	outio	n					Other	
X Replacement or implementation of renewable energies					S	olar boiler					
describing in this form The data collection ha	: s b	lowing processes take pl een complete and rigord	ous				ctice t	hat yo	ои а	re Yes	No
Communication and a disseminate this pract		reness processes have b	een d	evel	oped	d to					
Training actions have	bee	en provided									
Product and services	nav	e been improved									
Jobs have been created											
Sustainable financial models have been applied x											

Agreements or collaboration models have been defined between parties	

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

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ENERGY EFFICIENCY Energy consum	Energy consumption decreased by 50%			
IMPROVEMENT				
(EE)				
FINANCIAL - Private	funding including subsidies from the AGIR (Support for			
	nagement of Regional Integration) program of PACA			
	al Council.			
	nd ADEME (Agency for the Environment and Energy			
	ement) financing.			
	of photovoltaic production to EDF (french electricity			
board).	·			
EMPLOYABILITY				
POTENTIAL				
POTENTIAL				
OTHER Awareness of	the project owner (contracting authority) of the			
	f reducing and monitoring energy consumption. In			
	operation, monitoring is carried out directly between the Project Owner			
Contract).	tor with instrumentation and EPC (Energy Performance			
	some residents, and project even stopped after an			
altercation:				
· · · · · · · · · · · · · · · · · · ·	ng radiators, need not to show defects left by old			
	ise the walls and paint jobs are not getting redone.			
	infiltration areas to be treated for each apartment			
	eir original conditions.			
	ventilation duct in each building and need for residents to			
accept a loss of	•			
	t of monitoring sheets for each home allowing each			
	e his remarks during the renovation work, which			
	arantee for quality work.			
	ts who have closed their balconies have at the same time			
caused obstruc replaced.	tion to rainwater, which had to be unblocked and / or			
	n difficulties within the project management regarding			
	nitect vision and performance: real need for constant			
	intect vision and periormance. Tear need for constant			
	gard to cladding.			

Agents involved in this experience:

	Legislation agencies
	Public promoters
Х	Private promoters
	Technical public institutions
	Technicians of the private sphere (professional associations)
	Builders
	Industrial
	Facility Managers (property managers, cleaning companies)

Ene	Energy supply companies			
Use	Users/owners (homeowners association, schools)			
Oth	Other:			
GAPS	Communication needs and needs to educate and make residents aware before the project starts to avoid altercations during the construction. Training and education needs for the project management team and the operating companies to ensure a better coordination of the work.			

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

☑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.