

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

**F1 | BEST PRACTICES COLLECTION**

Best Practice Name:	Academia ADENE
Code:	PO_MX_OT_09

Best Practice Description:

Type:	<input type="checkbox"/> Action for improvement in the EE	<input checked="" type="checkbox"/> Training experience (*)
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Description:	<p>ADENE – Agência para a Energia, is the Portuguese national energy agency, a non-profit organisation with public and private capital. The mission assigned to ADENE is to "promote activities of public interest in the energy area and to be the interface with other sector policies".</p> <p>ADENE has a strong presence in the area of training, ensuring a quality offer and an adequate training of trainees. With this, ADENE enables the training of specialists and technicians in the areas of renewable energy, and energy efficiency in buildings, industry and transportation.</p> <p>ADENE while managing entity of the Energy Certification System and Indoor Air Quality (SCE), invested primarily in the training of qualified experts for the thermal regulations of buildings (RCCTE, RSECE). About 1600 of the active experts were formed by ADENE.</p> <p>ADENE also offers a wide range of additional training for skill enhancement in the areas of renewable energy, interior lighting of buildings, HVAC systems and hot water heating, ventilation and indoor air quality.</p> <p>This “Academy” has provided training in the area of power management, which is an instrument of excellence for the training of technicians on the proper management of energy as well as for performing diagnostics and analysis of energy consumption.</p> <p>In terms of international training ADENE established some important partnerships, namely with the Efficiency Valuation Organization or the Mexico Green Building Council. This way it can provide, for example, the course for certification of Measurement and Verification Professionals or the course for LEED Green Associate.</p> <p>Thus the "Academia ADENE" is a centralized source and an entity of excellence for the training of technicians specializing in energy efficiency and renewable energy.</p> <p>ADENE has an offer of about 37 training courses for engineers and technical engineers, architects, energy managers of buildings, sustainability and energy consultants, designers and installers.</p>
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Location:	Lisbon	Country:	Portugal
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Type of building:	<input type="checkbox"/> Tertiary	<input type="checkbox"/> Residential	<input checked="" 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 type="checkbox"/> Construction	<input type="checkbox"/> Maintenance	<input type="checkbox"/>	Use		
	<input type="checkbox"/> Energy generation and distribution		<input checked="" type="checkbox"/>	Other		
	<input type="checkbox"/> Replacement or implementation of renewable energies		<i>Training</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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Product and services</b> have been improved	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Jobs</b> have been created	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sustainable financial models</b> have been applied	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Agreements or <b>collaboration models</b> 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):

<b>ENERGY EFFICIENCY IMPROVEMENT (EE)</b>	When the Qualified Experts issue a Certificate (RCCTE or RSECE) they also do a list of improvement proposals that the owner should apply to the building or dwelling in order to enhance the energy efficiency and reach a better Certification Level. So these experts' inputs are really valuable for the potential improvement of the energy efficiency on certified buildings. All of the training available is designed in a way to improve the energy efficiency, through the design, control and management of the facilities and solar and electric installations.
<b>FINANCIAL COVERAGE</b>	Some of the training actions, such as installation and design of solar installations, are funded by QREN.
<b>EMPLOYABILITY POTENTIAL</b>	You have to be a Qualified Expert in order to issue RCCTE and RSECE certifications, which are mandatory. Therefore, with that course in particular, the employability potential increases. ADENE "employs" several experts as lecturers on their training actions.

<b>OTHER</b>	
<b>DIFFICULTIES</b>	Very diverse target audience

Agents involved in this experience:

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

<b>GAPS</b>	
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(\*) **RR\_BB\_FF\_NN**

**RR** Country: **CY** (Cyprus), **FR** (France), **GR** (Greece), **IT** (Italy), **MA** (Macedonia), **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...**