

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

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	"Remote Manager" Project
Code:	PO_TE_US_06

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 Remote Manager consists of the systematic analysis of power consumption profiles through a computing platform developed for the treatment of this information, producing monthly reports with recommendations for implementation of measures that will reduce the electric bill. This is a pilot project focused on reducing the electric bill of the Associates of Lisboa E-Nova, but it has broadened its scope of action to other entities.</p> <p>In Municipal buildings, buildings from Lisboa E-Nova Associated Members or other entities, Lisboa E-Nova promotes the remote management project. The objective of this project is to monitor the electricity consumption patterns from buildings electrically supplied in medium voltage (which can access EDP's telemetry data), analyze the energy consumption profiles and present/discuss the results with the building manager in order to identify intervention opportunities at the energy management system. Remote Management promotes a better management of the building and the adequacy to electricity tariffs.</p> <p>The methodology of the Remote Management is the following:</p> <ul style="list-style-type: none"> - Clarification of the objectives of the Entity involved; - Reception and processing of invoices and loads diagram of the last 12 months; - Introduction of this information in the model calculation and production of a report (without recommendations); - Technical visit to the facility submitting the report. After the visit the recommendations are inserted and the report is concluded; - Monthly, the entity involved sends the invoice and the loads diagram of the last month, and Lisboa E-Nova responds with the full monthly report, and is ready for any technical clarification. <p>Thus, this methodology is characterized by an absence of investment in equipment for measuring by the associate, and an output of savings recommendations based on the abundant information available, but not exploited, on electric consumption. Besides these aspects, the methodology assumes an attitude to promote energy efficiency, involving sectors such as cost control and maintenance on the implementation of "quick wins" proposed by Lisboa E-Nova. By producing monthly reports and posters, we also the company to provide quality and differentiated documents to foster the internal dissemination of the message, values and practices of energy efficiency.</p>
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Location:	Lisbon		Country:	Portugal	
Contact (team):	Miguel Águas – <i>Director Técnico e Financeiro</i> Lisboa E-Nova – <i>Agência Municipal de Energia – Ambiente de Lisboa</i> Address: Rua dos Fanqueiros, 38 - 1º Lisboa Portugal 1100-231 Lisboa Tel: 00 351 218 847 010 E-mail: miguelaguas@lisboaenova.org web @ http://lisboaenova.org/index.php				
Type of building:	<input checked="" type="checkbox"/> Tertiary	<input type="checkbox"/> Residential	<input 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 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>Which ones?</i>		

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 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 type="checkbox"/>	<input checked="" 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)	The measures that have been implemented are mainly at the level of monitoring. For example air conditioning systems that worked in continuous regime and began to function only when necessary, or equipment that were operating at night without any benefit. In no event were applied renewable energies. The impact reached 50% reduction in consumption in the order of the GWh / year, but reductions up to 15% are the most common.
FINANCIAL COVERAGE	No investment. Project developed within the framework of the customer loyalty policy with Lisboa E-Nova Associates. The only investments were related to improvement proposals itemized in the reports we made for the purpose.
EMPLOYABILITY POTENTIAL	The project hired a consultant at 50%. The analysis made indicates that monitoring the "Remote Manager" requires an annual expenditure of around 2 weeks per building.
OTHER	
DIFFICULTIES	The main difficulty is the true commitment of those responsible for

	implementing measures into the buildings, although we've both ends, from very responsible and accountable to stakeholders that show little interest.
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Agents involved in this experience:

	Legislation agencies
X	Public promoters
X	Private promoters
	Technical public institutions
	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:
GAPS	

(*) **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...**