

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

F1 | BEST PRACTICES COLLECTION

| | |
|---------------------|---|
| Best Practice Name: | Upgrade of energy certificate, through total lighting replacement |
| Code: | EV_BP_TE_MA_03 |

Best Practice Description:

| | | |
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| Type: | <input checked="" type="checkbox"/> Action for improvement in the EE | <input type="checkbox"/> Training experience (*) |
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| Description: | <p>EDP Distribuição office building in Setúbal Main characteristics: Office building, area: 4041,30 m², 1 underground floor, 7 floors above ground floor Description of the objectives: To upgrade the energy certificate from class C to class B- (classes according to ADENE classification – The Portuguese Agency for Energy), a complete replacement of ceiling lighting was implemented, totalizing 963 lamps. The TL-5 and the TL-D lamps were replaced for MASTER ECO TL-5 and TL-D.</p> |
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| Location: | Setubal | Country: | Portugal |
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| Contact (team): | João Hormigo, Director, EDP Valor - Departamento Instalações, Rua Camilo Castelo Branco, 46 2º 1050-045 Lisboa, 00351 210015614, joao.hormigo@edp.pt |
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| | | | |
|-------------------|--|---|--------------------------------|
| 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 type="checkbox"/> Mixed |
| Management: | <input type="checkbox"/> Public | <input type="checkbox"/> Private | <input type="checkbox"/> Mixed |
| Fields of action: | <input type="checkbox"/> Construction | <input checked="" type="checkbox"/> Maintenance | <input 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 type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" type="checkbox"/> |

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

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|--|---|
| ENERGY EFFICIENCY IMPROVEMENT (EE) | The energy consumption in 2011 was reduced by 4% approximately when compared to the consumption in 2010. In 2011 the energy consumption was 459 841 kWh. |
| FINANCIAL COVERAGE | NA |
| EMPLOYABILITY POTENTIAL | NA |
| OTHER | NA |
| DIFFICULTIES | None |

Agents involved in this experience:

| | |
|-------------------------------------|---|
| <input type="checkbox"/> | Legislation agencies |
| <input type="checkbox"/> | Public promoters |
| <input type="checkbox"/> | Private promoters |
| <input type="checkbox"/> | Technical public institutions |
| <input checked="" type="checkbox"/> | Technicians of the private sphere (professional associations ...) |
| <input checked="" type="checkbox"/> | Builders |
| <input type="checkbox"/> | Industrial |
| <input checked="" type="checkbox"/> | Facility Managers (property managers, cleaning companies ...) |
| <input type="checkbox"/> | Energy supply companies |
| <input type="checkbox"/> | Users/owners (homeowners association, schools ...) |
| <input type="checkbox"/> | Other: |

| | |
|-------------|---|
| GAPS | <i>Needs of training without known offer, related or not with this experience</i> |
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(*) **RR_TT_BB_FF_NN**

RR Region: **CA** (Catalunya), **EV** (Evora), **LA** (Larnaca), **MT** (Malta), **PA** (PACA), **SL** (Slovenia), **UM** (Umbria), **WM** (Western Macedonia)

TT Type of BP: **BP** (project and work), **TR** (training)

BB Type of building: **RE** (residential), **TE** (tertiary)

FF Field of action: **CO** (construction), **MA** (maintenance), **US** (use), **EN** (energy generation and distribution), **OT** (other)

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.