Investment analysis of the Multiple Benefits

The calculation tool developed in the framework of DEESME allows to analyze Energy efficiency investments including the associated Multiple Benefits (MBs).

Multiple Benefits are not usually included in investment evaluations, due to a general lack of data, methodology and skills.

This tool allows to give a good feedback to companies on the economic return of their energy efficiency investments and the associated MBs.

Some of the Multiple Benefits are relevant for company purposes like the calculation of the carbon footprint or other information needed to complete economic social and environmental sustainability assessments that are increasingly requested to comply with new EU regulations.
The Multiple Benefits of Energy Efficiency
Results from a Bulgarian company audited for the DEESME project

Net Present Value

Results **without** Multiple Benefits
-144,571 €

Results **with** Multiple Benefits
1,256,085 €

Internal Rate of Return

Results **without** Multiple Benefits
-15%

Results **with** Multiple Benefits
1%

Payback time

Results **without** Multiple Benefits
6 years

Results **with** Multiple Benefits
2 years
<table>
<thead>
<tr>
<th></th>
<th>Results without Multiple Benefits</th>
<th>Results with Multiple Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net Present Value</strong></td>
<td>-59,692 €</td>
<td>1,099,459 €</td>
</tr>
<tr>
<td><strong>Internal Rate of Return</strong></td>
<td>0%</td>
<td>0.3%</td>
</tr>
<tr>
<td><strong>Payback time</strong></td>
<td>9 years</td>
<td>3 years</td>
</tr>
</tbody>
</table>
Results from a Bulgarian company audited for the DEESME project

Net Present Value

-327.88 € Results without Multiple Benefits

Results with Multiple Benefits 2,265,503 €

Internal Rate of Return

-11% Results without Multiple Benefits

Results with Multiple Benefits 1%

Payback time

Results without Multiple Benefits > 10 years

Results with Multiple Benefits 2 years
# Results from an Italian company audited for the DEESME project

## Net Present Value

<table>
<thead>
<tr>
<th>Results without Multiple Benefits</th>
<th>440,224 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Results with Multiple Benefits</td>
<td>1,480,908 €</td>
</tr>
</tbody>
</table>

## Internal Rate of Return

<table>
<thead>
<tr>
<th>Results without Multiple Benefits</th>
<th>17%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Results with Multiple Benefits</td>
<td>43%</td>
</tr>
</tbody>
</table>

## Payback time

<table>
<thead>
<tr>
<th>Results without Multiple Benefits</th>
<th>5 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Results with Multiple Benefits</td>
<td>2 years</td>
</tr>
</tbody>
</table>
## Results from an Italian company audited for the DEESME project

<table>
<thead>
<tr>
<th></th>
<th>Net Present Value</th>
<th>Internal Rate of Return</th>
<th>Payback time</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Results without Multiple Benefits</strong></td>
<td><strong>20,494 €</strong></td>
<td><strong>9%</strong></td>
<td><strong>6 years</strong></td>
</tr>
<tr>
<td><strong>Results with Multiple Benefits</strong></td>
<td><strong>334,460 €</strong></td>
<td><strong>57%</strong></td>
<td><strong>2 years</strong></td>
</tr>
</tbody>
</table>
Multiple Benefits identified for SMEs during audits

Environmental benefits:
- Reduced energy consumption
- Reduced carbon footprint
- Increased recycling

Productivity and quality:
- Improved quality and maintenance
- Improved product/service efficiency
- Increased utilisation
Multiple Benefits identified for SMEs during audits

**Employee and customer satisfaction**
- Acquisition of new customers
- Improved stakeholder relationship
- Increased employee and customer satisfaction

**Innovation**
- Introduction of new products/services
- Development of innovations
Discover DEESME 2050!

DEESME 2050 is a continuation of the DEESME project and develops energy efficiency projects in SMEs for European 2050 targets, in the furniture sector.

Follow the project on LinkedIn, Twitter and find all the project’s contents on our website.

Contact

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