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# Implementation of Eco-design approach

## Laudescher France

In partnership with:

With financial support  
from the EU



## Introduction:

<p><b>Laudescher Industrie</b>  Carentan (50), Z.I. de  Pommenauque</p> <p>Tel: 0033233420952  Email: info@laudescher.com</p>	
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## Type of innovation:

- X Energy
- X Productivity
- X Competitiveness

## Affection by Sector of the innovative solution:

- X Energy
- X Productivity
- X Competitiveness

<p><b>Company's description:</b></p>	<p>Industrial manufacturer of woodpanel for the building, design, and planning.</p>
<p><b>Innovative solutions:</b></p>	<p>To validate its approach in sustainable development implementation, the Laudescher company was certified ISO 14001 in November 2012 and has been awarded the ISO 50001 in February 2013 recognizing the commitment of the company in energy efficiency. All employees of the company have been involved in the research for improvements, in term of environmental impacts but also in the use of workstations, products, etc. This is reflected by the establishment of several approaches: LCA, environmental product Declaration, boiler biomass.</p>

<p><b>Way of implementation:</b></p>	<p>The Lee company has granted an important part to the analysis of Life Cycle (LCA) of its products whose balance sheet is included on the card of environmental product Declaration (DEP) which provides figures and qualitative indicators on the impacts generated by products during their life cycle. Laudescher industry has also installed a new wood chip boiler which allowed full autonomy for heating of all the buildings and a significant energy savings. It uses raw chips. Flame retardant treated wood wastes are routed to a sorting and external valuation center.</p>
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**Outcomes:**

New markets and new products, recycling of production waste and energy efficiency

**Recommendations:**

Make a diagnosis (eco-design, LCA, LCC...), involve the employees, accumulate (waste, energy, design) approaches and meet the constraints of market (cost, functionality, design)

**Conclusions:**

Lee industry has managed to exceed the eco-design approach in particular in involving stakeholders in the production, and by creating a value added for the markets.

**Keywords:**

- X Energy
- X Footprint/blueprint
- X Recycling
- X Cost benefits