

### Companies connection to energy efficiency

The company has a strong commitment with environmental, quality issues as well as energy efficiency. There are plans to increase sustainability along the years with a clear strategy and plans. It holds ISO 14001, OHSAS 18001 and ISO 9001 management systems.

### Steam system

The steam generation is provided by steam boilers 17.000 kW fed with natural gas. Main consuming processes are paper dryers.

### Steam system problems identified

No major problems were identified in the use of steam, and the focus of the steam audit was in energy consumption and processes improvement. The company has been developing measures along the last years with this aims.

### Proposed energy saving measure(s), investments, and expected results (in figures)

The steam system is used with efficiency and monitoring during production, including strong heat recovery, and only minor measures in the steam system were detected that could improve its management.

The measures proposed are aimed to a new boiler installation and other measures not related to steam but to electric consumers:

- A new steam gas fed boiler to increase plant capacity: pay-back estimated in 5 years
- New led lamps in the warehouses and buildings as a side measure: pay-back estimated in 4 years

### Implemented proposed energy saving measure(s), investments and results achieved (in figures)

By the time of Steam\_UP project the company is developing improvements in led lamps and the new boiler is considered as an interesting measure but still needs further integration in the overall company plans.

### Achieved and/or expected Non Energy Benefits (NEBs) as result of implemented and/or proposed measures and investments involved

The key NEBs are related to CO2 emissions mitigation and increase the energy management.

### Involvement of internal stakeholders

The company has a tradition of improvements in energy efficiency and keeping a high product quality, as part of the company strategy to increase competitiveness. Since the project start the management team lead by the health and safety department were involved in the project to gain the most benefit from the audit and auditors knowledge. The audit results will support the mandatory audit for large companies in Spain.



Spain

Paper sector

170 employees

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**Total proposed investments**

**€ 3.950.000**

**Total Savings estimated**

**2.000 MWh/y**

**Non Energy Benefits**

CO2 reduction

Energy management