

Companies connection to energy efficiency

The company makes use of several different internationally recognised Environmental, Occupational Health and Safety (EH&S) management systems including ISO 14001, OHSAS 18001 and ISO 9001. The company commitment with sustainability and environment care is very high.

Steam system

The steam generation is provided by means of biomass boiler with maximum production of 6 MW.

Steam system problems identified

No major problems were identified in the use of steam, and the focus of the steam audit was in energy distribution system and end users. The company has been developing measures along the last years to improve their steam and heat consumption, as well as to use renewable energy sources.

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

The energy efficiency measures proposed are dedicated to reduce the need of steam in the plant:

- Improvements in steam distribution accessories to improve quality and reduce losses: Pay-back estimated in 1 year
- Energy Monitoring System to check the level of consumption, tendencies and find efficiency measures, and support the energy management in the plant: Pay-back estimated in 1 year

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

By the time of Steam_UP project the company is progressing with the design of the energy monitoring system and also developed some improvements in the heat distribution system.

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, maintaining or increase products quality, and better energy management.

Involvement of internal stakeholders

The company has a tradition of reaching strong environmental targets and product quality, as part of the company strategy and to increase competitiveness. Since the project start the management team lead by the engineering department were involved in the project to gain the most benefit from the audit and auditors knowledge.



Spain

Chemical sector

500 employees

Total proposed investments

€ 65.000

Total Savings estimated

950 MWh/y

Non Energy Benefits

CO₂ reduction

Product quality

Process management