

Companies connection to energy efficiency

The company hold an environmental, energy management and quality policy with specific aims. A major target is the development of the company based in its products quality, the respectful behaviour with the environment and an efficient management of energy. Moreover there is special focus on improvement of the energy efficiency of facilities and equipment and acquisition of energy efficient products and services.

Steam system

The steam generation is provided by steam boilers 45 MW fed with natural gas from the grid. Main consuming processes are pasteurization, raw material pre-treatment and drying.

Steam system problems identified

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

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.

- Installation of a new biomass boiler with better control system, reducing the energy consumption and use renewable energies: Pay-back estimated in 8 years.
- Improvements in steam distribution accessories to improve quality and reduce losses: 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 installing some of the distribution accessories proposed. The installation of the biomass boiler is considered for a close future (2019).

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 improvement of the global production performance and competitiveness of the company, as well as CO2 reduction.

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 production manager were involved in the project to gain the most benefit from the audit and auditors knowledge.



Spain

Food sector

Milk production

200 employees

Total proposed investments

€ 4.200.000

Total Savings estimated

10.000 MWh/y

Non Energy Benefits

CO2 reduction

Global production performance

Competitiveness