

Companies connection to energy efficiency

The company holds an environmental and energy management target, supported by a modern signals, which allows both process and energy optimization. Also, new processes include equipment with best technologies available to improve the energy efficiency and reduce the environmental impact, reducing residues.

Steam system

The steam generation is provided by steam boilers and heat recovery with total 40 MW fed with heavy fuel. 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, focused on process improvement and energy management.

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.

- Develop an Energy Management System ISO 50001 to improve the current energy management: Pay-back estimated for first step of the ISO 50001 in 1 year.
- Improvements in steam distribution accessories (particularly a valves maintenance and substitution) 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 measurement equipment as proposed to start the process for Energy Management System. Also some improvements in the valves have been implemented or will be done in 2018.

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



Spain

Food sector

Milk production

150 employees

Total proposed investments

€ 270.000

Total Savings estimated

1.400 MWh/y

Non Energy Benefits

CO2 reduction

Global production
performance

Competitiveness