

Companies connection to energy efficiency

The company has been committed to sustainable meat production management since the beginning, also with special focus in food quality and sustainability. It was one of the first food industries holding a certified ISO 9001.

Steam system

The steam generation is provided by steam boilers 1.100 kW fed with natural gas from the grid. Main consuming processes are meat baking and cooking with steam, which keeps the nice taste and flavour of this food.

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)

Two main steam energy management measures were proposed to the company with overall savings estimated in 150 MWh/year:

- Economizer for the boiler for heat recovery and increase efficiency: Simple PayBack: 7 years
- Process control improvement to adequate steam production to the steam demand: Simple PayBack: 2 years

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

By the time of Steam_UP project the process control improvement has been partially implemented with very good results. The economizer is likely to be delayed due to pay-back period.

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

The key NEBs reached are related to CO₂ emissions mitigation and better process management maintaining or even increasing the high product quality.

Involvement of internal stakeholders

The company has a tradition of improvements in energy efficiency and product quality. Since the project start the production manager was involved in the project to gain the most benefit from the audit and auditors knowledge. The assessment will continue after the project end to follow-up the measures proposed and support the company in energy efficiency matters.



Spain

Meat production

Processed Meat

900 employees

Total proposed investments

€ 40.000

Total Savings estimated

150 MWh

Non Energy Benefits

Production quality

CO₂ reduction

Better overall energy management