

Companies connection to energy efficiency

The company has a strong commitment with environmental, quality issues as well as energy efficiency. This SME has a tradition of work focused on the regional level as well as international expansion.

Steam system

The steam generation is provided by steam boilers 760 kW fed with diesel oil from a storage deposit, and it was detected the option to use natural gas by enlarging the medium pressure line close to the factory. Main consuming processes are meat baking and cleaning processes.

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 some 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 special focus in steam production, and with the following results:

- A new steam boiler with higher efficiency and with fuel switching, as the current one is a rather old oil boiler (working well but technology obsolete and using diesel oil): the simple PayBack is 5 years
- Burner renovation with natural gas (instead of diesel oil) by bringing gas pipeline to the factory but substituting only the burner, not whole boiler: the simple PayBack is 4 years, considering the need of bringing the gas pipeline to the surrounding of the factory.

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

By the time of Steam_UP project the company has limited available resources due to internal adjustments. It is likely it will be commissioned by 2019 following the schedule of the management.

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 improve as much as possible the energy and process.

Involvement of internal stakeholders

The company has a tradition of improvements in energy efficiency and product quality with great efforts. 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

Meat

50 employees

Total proposed investments

€ 170.000

Total Savings estimated

60 MWh

Non Energy Benefits

CO₂ reduction

Better overall energy
management