

### Companies connection to energy efficiency

The environmental sustainability of this industry is one of the key issues, which addresses the growing demand of society to consume healthy but produced under criteria of social responsibility and environmental sustainability. The company has a strong commitment with environmental, quality issues as well as energy efficiency.

### Steam system

The steam generation is provided by heat recovery boiler and steam boilers fed with natural gas adding 16.000 kW. Main consuming processes are ovens dedicated to meat baking.

### 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)

The overall steam system has been improved in the last years with good results and main measures were implemented. A steam energy management measure was proposed to the company which supports the use of steam:

- A new sludge dryer plant to remove water from the sludge and reduce the cost of transport to treatment plant by using residual steam during the periods of low process steam consumption. This will also reduce needs of transport (NEB): the estimated pay-back: 2 years

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

By the time of Steam\_UP project the company is developing improvements in several energy systems. It is likely sludge plant improvements will be performed in period 2019-2020.

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

The key NEBs proposed are related to CO2 emissions mitigation and improve in competitiveness. Reduce in transport of sludge will also support CO2 reduction.

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



Spain

Food sector

Meat

150 employees

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Total proposed investments

€ 1.600.000

Total Savings estimated

Sludge dryer

Non Energy Benefits

CO2 reduction

Competitiveness