

### Companies connection to energy efficiency

Stryhns has been committed to sustainable foods management since the beginning, acting not only out of self-interest but also conforming to the crucial market requirements of ecology and economy. The demand of consumers for eco-friendly foods in this industry has increasingly come to occupy centre stage in the last few years.

### Steam system

The nominal capacity of the steam system, which consists of one boilers, is about 1.6 t/h. The nominal steam pressure is 12.3 bar. In addition, pressure levels of 7.5 bar are used. The boilers use LPG gas as fuel. The main consumers are the smoking oven, hot cleaning water, hot water for smoking oven. Half of condensate returns from the consumers. Most of the free steam goes to obtain the humidity in the smoking oven.

### Steam system problems identified

The steam systems are in good conditions, but Stryhns Langeland want to convert some of the steam systems to district heat. The company is in negotiations with district heating company to get a pipeline out to the factory, but at present, no date has been set.

### Proposed energy saving measure(s), investments, and expected results (in figures)

Since the steam boiler is too large in relation to the current consumption, it has a lot of start and stop. This means that it is not operated particularly effectively and there is a relatively large heat loss from the boiler.

### Implemented proposed energy saving measure, investments and results achieved.

The investment costs for a conversion are estimated to 47,000 € and the payback period will be about two to three years.

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

If they implement the project, Stryhns will increase the overall efficiency of the steam systems and it will leads to a lover CO<sub>2</sub> emissions. It will also reduce the cost of maintenance the boiler and less chemicals and salt to the water treatment system.

### Involvement of internal stakeholders

The management of the company is highly interested in implementing measures to achieve cost-effective energy savings.



Stryhns A/S Langeland  
www.stryhns.dk

5900 Rudkøbing  
Denmark

Foods

Sausages

30 employees

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**Total (estimated) Investment**

**€ 47,000**

**Total (Estimated) Savings**

**€ 15,200 p/y**

**0 MWh/y**

**Non Energy Benefits**

Lower CO<sub>2</sub> emission

Lower maintenance cost

Lower chemicals and salt  
consumptions