

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 1.75 t/h. The nominal steam pressure is 6 bar. In addition, pressure levels of 4 bar are used. The boilers use natural gas as fuel. The main consumers are the washing machines, blossoming of vegetables, and cooking among others the salads. Most of the condensate returns from the consumers.

Steam system problems identified

The steam systems are in good conditions, but after Stryhns Gråsten had a suspicion that the boiler was too large relative to the consumption, it was what the audit was about.

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

The analysis showed that the boiler fits the need for steam. When steam was needed for the main process, the boiler was almost fully loaded. Early optimization has been made on the steam system by lowering the pressure when the large steam volume is not required for the main consumer.

Implemented proposed energy saving measure, investments and results achieved.

As there was no need for changes to the boiler plant and the consumer there is no investment.

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

The ongoing energy optimization of the production and the steam plant that takes place at the company results in a reduction of the consumption of chemicals and salt and CO₂ emissions.

Involvement of internal stakeholders

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



Stryhns A/S Gråsten

www.stryhns.dk

**6300 Gråsten
Denmark**

Foods

Salads

65 employees

Total (estimated) Investment

€ 0

Total (Estimated) Savings

€ 0

0 MWh/y

Non Energy Benefits

Lower CO₂ emission

Lower maintenance cost

Lower chemicals and salt
consumptions