

Companies connection to energy efficiency

DFD has been working on energy and environment for many years. The laundry process uses a lot of energy and detergents and the pressure from the environmentally friendly environment in this industry is increasingly helping to optimize the washing process and energy consumption. In addition, the company has obtained a certification to ISO 14001.

Steam system

The nominal capacity of the steam system, is about 1.6 t/h. The nominal steam pressure is 10 bar, but currently the maximum needed pressure level is 3.8 bar. The boilers use nature gas as fuel. The main consumers are the washing machines, the washing line and the drying line. Most of the condensate returns from the consumers, but there are also consumers like the steam dryer that use the steam directly.

Steam system problems identified

Since the company has converted to natural gas in connection with the renovation of boiler rooms and also replaced several steam consuming units with direct natural gas-fired tumble dryer, and they used the condensate to heat the wash water there were no obvious steps to find.

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

The steam system is in a very good condition and several energy efficiency measures have already been implemented during the last years, for example, there was a fuel switch from heavy fuel to nature gas a few years ago and they use the condensate to heat up the wather for the washing mashines. Several of the early steam tumble driers are converted to directly fired gas driers, which means that the steam consumption could be detected.

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

Because of the laundry is has been in a big turn over with new nature gas boiler and new nature gas fired dryer there were no measures to find. There is There are over the time made several initiatives to utilize the steam optimally. As an exampel is that the all the steam pipes is coverd vith new insulation.

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

Because they got a new boiler that can run for 72 hour without watch the payroll are reduced. The CO₂ emission is also reduced due to the fuel switch from oil to nature gas, likewise the destruction of chemicals has been reduced.

Involvement of internal stakeholders

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



De Forenede Dampvaskerier
www.dfd.dk

8370 Hadsten
Denmark

Landry

105 employees

Total (estimated) Investment

€ 0

Total (Estimated) Savings

€ 0 p/m

0 kJ p/m

Non Energy Benefits

Increased production

Improved position