STEAM AUDIT – GE04
FACTSHEET

Company's connection to energy efficiency
In a lightly growing market to keep the own market shares and by optimization of the processes, the energy efficiency and the processes create cost advantages to the competitors. In the foreground is not the expansion, but the optimization. At the same time, it is necessary to counteract the ever increasing energy costs, which represent a large part of the overall costs. A lot of energy is consumed in a laundry. It is important for the owner to be environmentally conscious. This starts with the selection of the processes up to the energy efficiency of the plants and the energy input.
There is no energy management system implemented yet.

Steam system
Essential steam applications are: washer, dryer, ironing. Frame data of the steam system:

- energy consumption for steam generation: 244,871 cbm natural gas p/y
- installed thermal power of the boiler: 2.77 MW (construction year: 2014)
- steam production: 3.4 GJ p/y
- Annual utilization rate of steam generation: 29.5%

Steam system problems identified
There is an economizer and an air preheater installed. The exhaust gas losses are minimal. The boiler is very good isolated. The control losses only amount of 0.5-1%

Proposed energy saving measure(s), investments, and expected results (in figures)
The steam system is efficient and relatively new. So there are no energy saving measures proposed they could lend to an higher level of energy efficiency.

Implemented proposed energy saving measure(s), investments and results achieved (in figures)
There are no energy saving measures implemented yet.

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

Involvement of internal stakeholders
There is no energy management system and no regular optimization implemented at the company, but the management has installed a new and efficient steam system in 2014. As one result of the steam up audit, the management will implement a set of key figures of the steam system for continuous monitoring and optimization

Germany

Laundry Service

151 Employees

Total (estimated) Investment
€ 0

Total (Estimated) Savings
€ 0 p/y
0 MWh p/y

Non Energy Benefits
Non existent