

Companies connection to energy efficiency

Anonymous is dedicated to save energy, electricity as well as natural gas. Anonymous has implemented a energy management system for monitoring and performed an energy audit in order to generate energy saving measures.

Steam system

The nominal capacity of the steam system is about 2 t/h The nominal steam pressure is 10 bar. However, currently the maximum needed pressure level is 5 bar. The boiler uses natural gas as fuel. The main processes that uses the steam is moistening of the dry tobacco, for generating vacuum and for the casing process. 45% of the condensate returns from the consumers, but there are also consumers like moistening that use the steam directly.

Steam system problems identified

The main problems which are found are: A high loss of steam through defective steam traps, the absence or defectiveness of insulation and the possibility to change the steam pressure.

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

The steam measures that are proposed are the technical insulation of valves (see thermographic picture) and pumps and some parts of the steam boiler as well. Repairing defect steam traps and adjustment of the steam pressure.

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

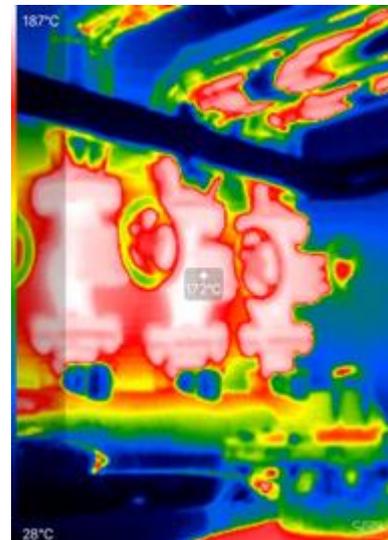
The proposed measures all have a pay back period less than 5 years and will be implemented. The total energy savings sum up till 400 MWh.

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

The project leads to a higher security due to less heat loss and less steam in the condensate system and risk of water blow and also a CO2 reduction due to less demand of natural gas.

Involvement of internal stakeholders

The project involvement in energy efficiency is great. The plant manager, internal affairs- manager and the technical department are all involved in the energy action team of the company.



Anonymous

The Netherlands

Stmulants

Total (estimated) Investment

€ 8,700

Total (Estimated) Savings

400 MWh

Non Energy Benefits

Reduction of natural gas demand

Lower CO2 emission

Higher security