

Companies connection to energy efficiency

The company fulfills a bridging function between the oil refining and chemical industry on the one hand and companies within the construction industry on the other.

Latexfalt is a production, sales and product development organization for bituminous, polymer-modified and synthetic binders.

Steam system

The company has a special installation, based on two gas fired thermal oil boilers for several processes and to produce steam by a steam generator. For the storage of bitumen and production of, among other things, emulsions, temperatures above 150 degrees are required. This is achieved by two thermal oil boilers. Part of this thermal oil is used for steam production via a steam generator. With this steam, trailers are cleaned from emulsion residue.

Steam system problems identified

The problem is the high cost of cleaning 50 lorries from emulsion residue every year

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

Saving measure	Energy saved	Costs saved [€/year]	Investment costs [€]	Economic Indicator PBT	NEBs
Isolation: boilers, pipes, valves	6.840 m ³ gas	1.368,-	5.000,-	3,7	Climate, Safety
Pressure reduction	2.000 m ³ gas	400,-	0	0	Safety
Warm water production with heat pumps	11.310 m ³ gas	2.262,-	10.000,-	4,4	Part of a bigger programme
Further investigation to optimize tankcleaning and recovering the emulsion	57.092 m ³ gas	11.418	costs for research: 15.000,-	at the moment: unknown	

The Netherlands

Chemical Industry

Emulsions for asphaltting roads

Total (estimated) Investment
Ca. € 30,000

Total (Estimated) Savings
Ca. € 15,500 p/year
Ca. 2,435 GJ p/year

Non Energy Benefits
Climate safety
Safety

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

All the proposed actions will be carried out in the next 4 years.

Involvement of internal stakeholders

The following positions were represented in the internal team: Head technical department, facility manager. Production manager and member of the management team; General manager. Approved audit