



THERMAL IMPACT GROUP LTD

STEAM SPECIALISTS

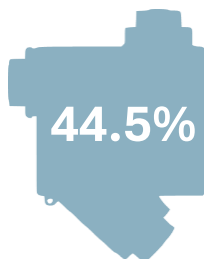
This case study was carried out at an:
Animal Feed Mill
Located in Belfast, Northern Ireland

Study

Thermal Impact Group were asked by an animal feed mill to compile a report on the results from an energy efficiency study between an existing mechanical steam trap and the new CEELOC steam trapping solution. The application selected for the trial was the steam heated coil in a large fat storage tank. The existing mechanical steam trap had its steam and condensate temperatures data-logged for a week. A bucket test was then carried out on the existing trap, which measures the actual energy output in kJ/hr. The CEELOC was then fitted, the bucket test was repeated to compare efficiencies and the CEELOC was then data-logged for a week. The resulting data showed a reduction in energy consumption of **44.5%**.

Results

Energy Savings



Overall reduction in energy usage of 44.5%.

Annual Savings



An annual saving of £1,200 per year per trap.

ROI



A return on investment of 7 months.

CEELOC Lifespan



A lifespan of the CEELOC estimated at 10 years minimum.

