

THERMAL IMPACT GROUP LTD

STEAM SPECIALISTS

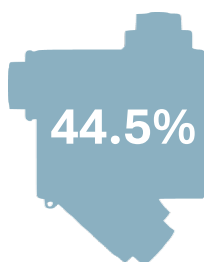
This case study was carried out at an:
Animal Feed Mill
Located in Belfast, Northern Ireland

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 TIG's technologies. 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. TIG's device was then fitted, the bucket test was repeated to compare efficiencies and TIG's device 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.

Device Lifespan



A lifespan of TIG's devices estimated at 10 years minimum.

