

THERMAL IMPACT GROUP LTD

STEAM SPECIALISTS

This case study was carried out at a:
Whisky Distillery
Located in Scotland

Study

Thermal Impact Group received an order to fit 3 steam traps in one of the UK's largest White Spirit Distillery Still Houses. These were to replace existing Mechanical Steam Traps. TIG's devices were monitored for a period of 3 months. During which time, the following data was collected from the clients SCADA / data trending system:

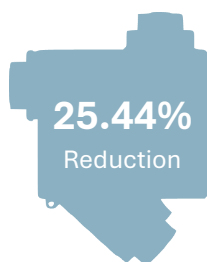
1. Number of Distillations
2. Total Steam Used per Week
3. Total Steam Used per Day
4. Total Steam per Distillation

These results were compared to the performance of the existing Mechanical Traps, and the following observations were made:

1. A 25.44% reduction in steam consumption per distillation
2. A steam saving of 6.7 tonnes per distillation
3. A direct cost saving of £3,461.33/week

Results

Energy Usage



A reduction of 25.44%
in steam consumption.

Steam Savings



A steam saving of 6.7
tonnes per distillation.

Financial Savings



An actual annual
saving of £173,067.

Device Lifespan



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