



THERMAL IMPACT GROUP LTD

STEAM SPECIALISTS

This case study was carried out at a:
Drinks Manufacturing Plant
Located in Ireland

Study

Thermal Impact Group were asked by a Drinks Manufacturer in Ireland to explore the feasibility of installing CEELOC Steam Traps on site. The site was surveyed, and three processes were identified for a trial. Data was collected from the three Mechanical Traps over several days. Three CEELOCs were then installed on the same processes and the data and condensate temperatures compared.

1. It was found that the original float trap on the process was consistently peaking at 115°C, indicating that there was energy passing into the condensate return.
2. In general, it was found that the CEELOCs were discharging condensate at an average of 18°C lower, which was calculated to equate to a 15% gas saving.

Results

Gas Savings

15%

Overall Plant
Reduction in Gas.

ROI

7
Months

7-month payback with
continued savings
thereafter.

Annual Savings

€67,000
per year

An estimated yearly
saving of 67 thousand
euros.

CEELOC Lifespan

10
Years Min.

A lifespan of the
CEELOC estimated at
10 years minimum.