



**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 TIG's technologies 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 of TIG's devices 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 TIG's technologies were discharging condensate at an average of 18°C lower, which was calculated to equate to a 15% gas saving.

Results

Gas Savings



Overall Plant
Reduction in Gas.

ROI



7-month payback with
continued savings
thereafter.

Annual Savings



An estimated yearly
saving of 67 thousand
euros.

Device Lifespan



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