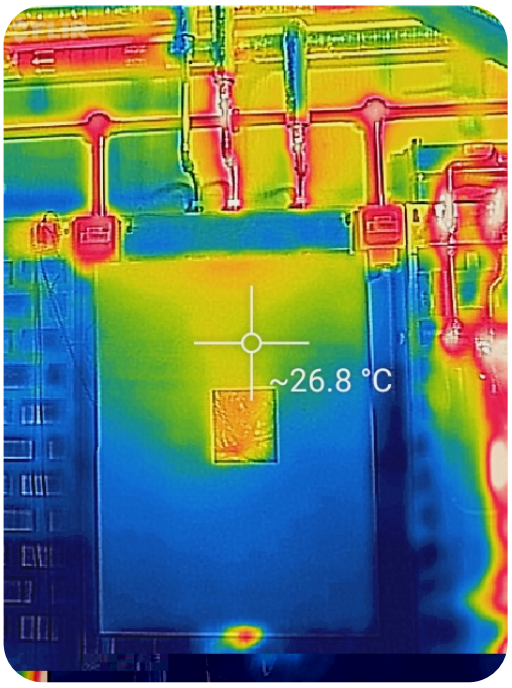
Thermal INTEGRATION Ltd

0845 241 1441 // www.heatweb.com

HIU Reconditioning

Consultancy Services

It is surprising to some how much the efficiency of existing district heating systems can be improved simply by a few improvements to the existing HIUs. Improving insulation, modifying the control valves, and correctly commissioning a system are just some of the measures we can deploy that have a directly measurable impact on plantroom efficiency.



There are very few UK based HIU manufacturers, and none have the experience we do, so when we look at many of the HIUs that have been installed over the past decade we can immediately see what's wrong - we made some of the same mistakes many years ago. This puts us in the perfect position to work out the best ways to improve them, if possible, and to manufacture any assemblies needed for service engineers to make modifications.

In short, if you have an inefficient district heating system, let us have a look and advise what's possible.

Case Study: HIUs in London

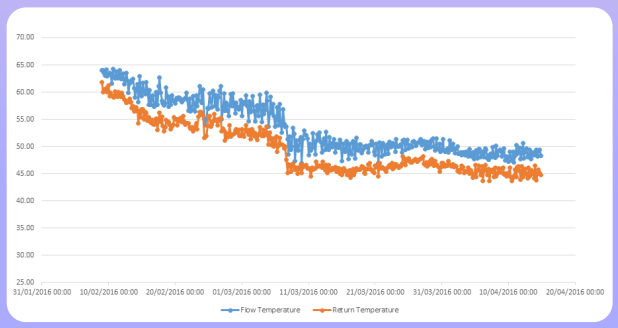
As part of a DECC funded project we were called upon to use our expertise in HIU design to analyse existing HIUs in London properties that have been poorly performing. The end result has been a dramatic improvement in efficiencies.

Initially, return temperatures to plant were seen to be only a few degrees below the flow temperature. The client needed to know why, and what could be done about it.





Following site inspections, we were able to swap-out one of the guilty HIUs, taking it back to the factory where we were able to test out all sorts of possible improvements. The aim was to arrive at the best value for money approach to improve the performance of the other HIUs on the sites, short of simply replacing the HIU entirely.



The end result was a combination of measures we could demonstrate to work as desired. We then managed the contracts on site to modify systems with the results that primary return temperatures dropped consistently as works went on. Once we had finished, the primary returns had dropped nearly twenty degrees.