

## **Case Study, Sonic Driver Ltd, Ultrasonic clamp-on flowmeter, Business Centre, Heating System, near Derby.**

Over Christmas 2017 a Sonic Driver Ltd fixed installation, wall mounted flowmeter was installed in the Biomass boiler room supplying heating for a Business Centre.

The flowmeter was configured as a heat meter by the use of thermocouple probes configured as auxiliary inputs. These probes measured inlet and outlet water temperature and this information along with measured mass flow rate of water passing through the system was used by the flowmeter to calculate heat quantity.

For a 6 week period the flowmeter measured and recorded both water flow and heat quantity.

This extended site trial provided much useful information for on-going product development and put the flowmeter control unit and its sensors through a full range of environmental conditions in what was a hot, humid atmosphere with piping up to 85 degrees centigrade.