

Biogas Products

Biogas Industry Experts



Stainless Steel Fabrications

Client: AEL Biogas

Location: Lincs, UK

Project scope:

The existing gas cooling system installed was not working efficiently and the Client was experiencing major problems with the CHP generator shutting down and then difficulty getting it started again.

Biogas Products Ltd installed a secondary tube/shell heat exchanger which used hot water from the engine to heat the biogas.

Design requirement:

To raise the temperature of 750m³/hr biogas flow by 15C using surplus hot water from the CHP generator.

Products / Services supplied:

Design, manufacture and install a tube/shell heat exchanger manufactured in 316SS which required modification of the existing gas pipework system. Hot water pipes were installed from the heat exchanger and connected into the generator hot water system.

Outcome:

Biogas temperatures were able to be controlled all year round and problems with the engine failing and difficult to start were negated.

