

Biogas Products

Biogas Industry Experts



Stainless Steel Fabrications

Client: Emerald Biogas / CNG Services
Location: Newton Aycliffe, UK

Project scope:

To provide a system to raise and maintain a constant biomethane temperature before injection into the grid network.

Biogas Products Ltd installed a tube/shell heat exchanger which used waste heat available on site to heat the biomethane.

Design requirement:

To raise the temperature of 1200m³/hr biomethane flow and maintain a constant set temperature at the outlet of the tube/shell heat exchanger.

Products / Services supplied:

Design, manufacture and install a tube/shell heat exchanger manufactured in 316SS which used waste heat available on site to heat the biomethane.

Design, manufacture and install a hot water pump skid and heat exchanger that picked up surplus heat on site with an electric immersion heater back up system if required.

Outcome:

The system enabled control of the biomethane temperature before injection into the grid.

