

CASE STUDY

Siteworks Team Constructs New Gas Infrastructure to Power New Yorkshire Power Generation Site

SERVICE: Gas Connections & Infrastructure
for Combined Heat and Power (CHP)

PROVIDER: National Gas Metering

Overview

National Grid Metering's Siteworks team delivered a full scope of works to provide this power generation customer with the gas infrastructure required to construct their 23,000kW power generation site.

Scope of Works

To achieve this, we provided a full turnkey package comprising:



A new gas connection and supply



Gas service



Meter module



Concrete base



Bespoke kiosk



Outlet pipework

This new gas infrastructure will supply three new gas turbine engines, generating 5MW of energy to be fed into the electrical distribution network.

Delivery

To achieve the necessary gas connection, our GIRS design team submitted a design and secured authorisation from the gas network to connect a new 250mm polyethylene (PE) Medium Pressure gas service, 14m in length, to the existing parent network—an 18-inch Spun Iron Medium Pressure gas main.

The concrete base was constructed to the specific design requirements to seat the new 56m Medium Pressure rotary meter module, housed within a bespoke Kingsley Plastics kiosk.

We then installed the outlet pipework, which was entirely below ground and made of polyethylene (PE), consisting of 38m of 250mm and 17m of 125mm PE, with three separate above-ground risers fitted with 100mm termination gate valves to feed the three new turbine engine gas inlets.

Our metering service partner then fully commissioned the new meter module and Elcor Plus logger before handing the site over to the customer.

INTERESTED IN POWERING YOUR OPERATIONS WITH CHP?

Talk to us about future-ready gas infrastructure:

CALL: 0121 210 3763

EMAIL: siteworks@nationalgas.com

WEB: metering.nationalgas.com