

CASE STUDY

Gas-Fired Power Station Upgrade in Birmingham Utilising Pioneering Modbus Innovation

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

PROVIDER: National Gas Metering

Overview

A 100-megawatt gas-fired power station required modernisation, with its outdated orifice-plate metering supported by old, maintenance-heavy legacy equipment.

Our role was to remove and replace the outdated equipment and install a new, efficient ultrasonic meter to improve metering accuracy, reduce maintenance costs, eliminate hazards, and make the site as environmentally friendly as possible.



Innovation

E&I engineers rarely get the opportunity to pioneer brand-new technology. In this case, however, we were the first company to implement an innovative Modbus solution—allowing the new meter to seamlessly connect with the supporting flow computer, setting a blueprint for future installations.

Outcomes

The project was completed on time and on budget, delivering key benefits, including:



More accurate metering, ensuring carbon emissions are correctly recorded



Reduced electrical maintenance



Reduced instrumentation maintenance



Elimination of numerous electrical faults



Improved site safety

INTERESTED IN POWERING YOUR OPERATIONS WITH CHP?

Talk to us about future-ready gas infrastructure:

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