



## Irwell CHP Site Build

Project Value: **£650,000.00**

Location: **Irwell CHP Site Build Project**

Project type: **Industrial / Power Generation**

### Project Overview

**ProGen was commissioned by Edina to deliver a full electrical service, including HV, LV, control design and installation, for a new 10MW CHP system within an industrial unit in Bury.**

### The Challenge

ProGen was tasked with providing a full turnkey solution for the HV/LV cabling infrastructure and containment. With the site build installation being indoors, the gas engines were positioned within the building, with all services built around the engines.

### The Solution

ProGen has been providing Edina with turnkey installation services for a number of years, and through working closely with Edina, we have a good understanding of their expectations.

The full extent of ProGen's design and installation responsibility included:

### Co-ordination and Design

ProGen provided full design of the HV and LV electrical systems. Our in-house design team avoided any clashes from other services existing on site.

### HV Infrastructure

ProGen provided the full HV infrastructure for the works, which included HV cable containment and cabling with removal. The termination and jointing of the HV cabling was also provided in house.

### LV Distribution

All LV cabling and containment was also provided within ProGen's package, along with the installation of a new LV switchgear and commissioning.

### Lighting

ProGen provided full cabling and installation of the lighting package throughout the compound area.

### Fire and Security

Progen provided Edina with a full fire and security package, which was supplied and installed to the exact requirements of the specification.



### Gas Detection

ProGen provided a full ATEX gas detection system throughout the gas engine containers.

### HV Substation Fit-out

The new HV substation was fitted out with lighting and power by ProGen to the exact specifications provided by western power networks.

### The Outcome

The project was a success and an excellent example of how ProGen can manage a large complex installation, all in-house.

### Want To Work With Us?

Interested in seeing how you can utilise our services for your own engineering projects? Please don't hesitate to get in touch for a quote.