

Leven Scotland CHP Site Build

Project Value: **£570,000.00**

Location: **Leven Scotland CHP Site Build**

Project type: **Industrial / Power Generation**

Project Overview

Located in Scotland, Leven generation CHP site provides the local electrical network with a 20MWe Short Term Operating Reserve (STOR) site.

The Challenge

This project was located deep in the highlands of Scotland, which provided ProGen with logistical challenges as well as the usual time constraints of getting a CHP site up and running to support the national grid as soon as possible. The site build meant the gas engines were positioned within the building, with all services built on site around them.

The Solution

With all the specialist services needed for the project available in-house, ProGen was commissioned by Edina to provide the full turnkey solution for all HV, LV and control network services to support the project.

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

Co-ordination and Design

ProGen provided a full design of the HV and LV electrical systems, with our in-house design team avoiding 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 and the termination and jointing of the HV cabling.



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.

HV Substation Fit-out

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



Lighting

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

The Outcome

The project was completed to the tight timescales set by the client with all CHP engines supporting the grid on the date required.

Fire and Security

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

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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.

Gas Detection

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