



Westwood Power CHP Site

Project Value: **£620,000.00**

Location: **Westwood Power Margate CHP Site Build**

Project type: **Industrial / Power Generation**

Project Overview

Installation of a new 20MW embedded STOR and peak power gas powered generating facility on land to the east of Strasbourg Street, Westwood Industrial Estate, Thanet, Kent.

The Challenge

This project was located on the coasts of Margate, 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 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.

Lighting

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

Fire and Security

ProGen provided Edina 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 power networks.

The Outcome

The co-ordination of the project was carried out successfully and all electrical services provided on time and on budget. The project was handed over with the client's high expectation met.

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.