



Ener-G
SERVICES

BATTERY ENERGY STORAGE
SOLUTION IN ABERDEEN

CASE STUDY

2023

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SCOPE OF WORK

Ener-G Services Limited were contracted to carry out electrical engineering work at a Battery Energy Storage Solution (BESS) project in Aberdeen.

The site consisted of 28 battery storage containers which required the installation of 70 PCS auxiliary power supplies using SWA cables from their designated battery energy storage container.





PLANNING

Ener-G Services has a firm understanding that renewable projects are at the forefront of successful projects in the UK.

Our challenge as Ener-G Services employees was to apply the quality management system (QMS) without compromising in the Innovation Management System (IMS) for electrical installation.

Following on from our involvement with BESS projects, a series of discussions were carried out with all relevant parties on how to improve the reduction of down time and increase installation efficiency on BESS project moving forward.

Common ground was established, and an agreement that more time is required in the planning of installation methods.

Top management, following the evidence-based decision making, agreed to invest time in the production and issuing of quality documents to plan for future BESS electrical installation.



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SUMMARY

Over the course of the project, Ener-G Services designed and installed:

- Specialist Containment arrangements for various cabling
- LV power supply for PCS Units
- Communications Cabling
- Direct Current wiring
- Extrenal Earthing arrangements

The cables were required to be pulled through ducting, dressed onto cable trays, glanded, and terminated.

Quality remained a priority with all cables being tested and reported on.

Once fully operational, the Battery Energy Storage Solution will be used to provide electricity to a grid nearby.



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