

CONSTRUCTION METHOD STATEMENT

Land at Baglan Energy Park, Chosen Industrial Park,
Briton Ferry, Neath SA11 2HZ

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1.0 Introduction

- 1.1** This CMS outlines the approach for constructing a 30MW Battery Energy Storage System (BESS) at Chosen Industrial Park, Briton Ferry, Neath, SA11 2HZ. The document provides an overview of the construction process, key activities, environmental considerations, and health and safety measures to ensure compliance with planning requirements and industry best practices.

2.0 Project Description

- 2.1** The proposed 30MW BESS will be located at [Site Address]. The development will include:

- Battery enclosures and associated infrastructure
- Power conversion systems (PCS)
- Control and monitoring systems
- Site access roads and perimeter fencing
- Grid connection infrastructure

3.0 Construction Programme

- 3.1.1** The construction is expected to take approximately 6-12 months, with key phases as follows:

- **Site Preparation** – Clearing, ground levelling, and access road formation.
- **Civil Works** – Foundation installation, drainage, and concrete slabs.
- **Battery & Equipment Installation** – Delivery and positioning of battery enclosures, inverters, transformers, and electrical systems.
- **Grid Connection & Commissioning** – Electrical connections, testing, and system integration.
- **Final Inspection & Handover** – Quality assurance, safety inspections, and operational handover.

4.0 Access and Traffic Management

- Construction access will be via Brunel Way
- A Traffic Management Plan will be implemented to minimize disruption.

- Deliveries will be scheduled to avoid peak traffic hours.
- **Parking for site operatives and visitors** will be designated within the site to minimize impact on public roads.
- **Loading and unloading of plant and materials** will take place in designated areas within the site boundary.

5.0 Site Preparation and Groundworks

- Excavation for foundations and cable trenches will be undertaken.
- Environmental protection measures (e.g., silt fencing) will be in place.
- **Storage of plant and materials** will be organised in secure, designated areas within the site to prevent obstruction and maintain safety.

6.0 Environmental Protection Measures

- Dust suppression techniques such as water spraying.
- Noise control measures, including restricted working hours.
- Spill prevention and containment for hazardous materials.
- **Wheel washing facilities** will be provided at the site exit to prevent dirt and debris from spreading onto the public highway.
- **Measures to control the emission of dust and dirt** during construction will include regular damping down, covering of stockpiles, and vehicle speed restrictions on-site.

7.0 Construction Activities

7.1 Foundation Works

- Concrete foundations for battery enclosures and transformers.
- Drainage installation to prevent water accumulation.

7.2 Electrical and Mechanical Installation

- Battery modules, PCS, and transformers will be craned into position.
- AC and DC cabling will be laid and connected to the grid infrastructure.
- Earthing and safety systems will be installed.

7.3 Security and Fencing

- **Erection and maintenance of security hoarding** around the site. The site is not in an area with pedestrian footfall and therefore, decorative hoardings will not be used.
- Installation of perimeter fencing and CCTV systems.
- Access control measures for security.

8.0 Waste Management

- **A scheme for recycling/disposing of waste** from demolition and construction will be implemented, ensuring compliance with waste regulations and prioritizing recycling.
- Segregation of waste streams such as metal, concrete, timber, and hazardous materials will be undertaken.
- Regular waste collections will be scheduled to maintain a tidy site.

9.0 Health and Safety

- Compliance with CDM Regulations 2015.
- Toolbox talks and site inductions for all personnel.
- PPE requirements (hard hats, high-visibility clothing, gloves, etc.).
- Emergency response plan in place.

10.0 Monitoring and Compliance

- Regular site inspections and audits.
- Compliance with planning conditions and local authority requirements.
- Environmental monitoring (noise, air quality, waste disposal).

11.0 Conclusion

11.1 This Construction Method Statement provides an outline of the construction activities, environmental considerations, and health and safety measures for the 30MW BESS. The project team will ensure adherence to all relevant regulations and best practices to minimize impacts and deliver a successful installation.

