



Toothill Mannington 33kV Substation (Battery Storage)

Client

Scottish & Southern Energy Networks

Framework & Location

Swindon

Duration

Start: March 2021

Completion: On-going

Infrastructure Requirement

Network Reinforcement

Scope of Works

- Installation of Piles/ Installation of Steel Frame Structure
- Installation of Kingspan Flooring and concrete
- Installation of building envelope (cladding) and building services including earth mat
- Installation of drainage and cable ducts

PROJECT OVERVIEW

Instalcom under the New Connections Framework in March 2021 commenced works on behalf of our Client Scottish & South Electricity Networks (SSEN) to construct a 30MVA 33kV Primary Switchroom to support the development of a battery storage facility which is being completed in two phases.

Phase 1 incorporates the civils works to include the installation of tubular steel driven piles, steel portal frame, hollow rib deck with cast in situ concrete floor and cladding system to exterior roof levels with installation of general building services. Phase 2 comprises the installation and commissioning of switchgear and protection equipment to include integration to the SSEN network.

The project is scheduled to be completed by March 2022 to include all building services.

DELIVERY & INNOVATION

- Successful introduction of COVID-19 Site Operational Procedures (SOPs).
- To prevent delay, we had the building services team start work before the building envelope was completed. This meant that once the roof was secure and safe, we were able to carry out containment routes inside keeping within the planned programme key dates.
- Change in working hours Worked around the Schneider panel modifications being carried out by SSE's contractor, by implementing weekend working to enable third parties to keep their programmes to schedule.

KEY CHALLENGES

- Out of hours working
- Interface with multiple stakeholders
- Availability of cladding delayed due to impact of Covid-19 pandemic on manufacturing, leading to accelerated working to maintain programme
- Restricted working areas and control of vehicle and plant movements
- Working within a live substation



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Instalcom Ltd

FRAMEWORK KPIs

- Regulatory & legislation compliance with no Environmental incidents.
- Implementation of weekend working to enhance progress.
- Successful Compliance with project programme milestone dates.
- Proactive communications with stakeholders and third parties resulting in positive interactions and outcomes.
- Achieve ZERO harm.
- Successful brand promotion of SSEN including installation of timelapse camera on site to record progress of works.



CONTACT US

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