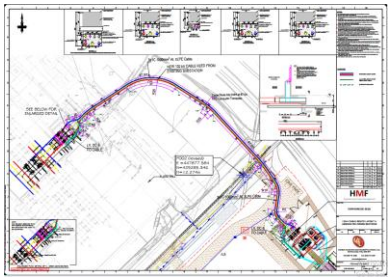
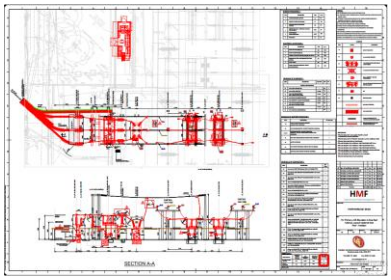
Project Dashboard

Project Title: FERRY BRIDGE 132kV BESS

Collaboration and delivery Partner with:

End Client:





Project Location: The site is located in Hinton Lane, Knottingley, UK, WF11 8RA.

Project Phase: Engineering Design

Project Description: SSE Renewables will partner with OCU Energy and Sungrow to deliver the Ferrybridge BESS project. Once operational, the site will be capable of powering up to 250,000 homes. The site is located on the grounds of the former SSE-owned Ferrybridge power station, which was decommissioned in 2016. Construction is scheduled to be completed by late 2024.

Ferrybridge is a 150MW capacity battery energy storage system (BESS) located near Ferrybridge, West Yorkshire. SSE Renewables took a final investment decision on the project in May 2023, and construction started in August 2023.

Project Highlights: HMF has completed the detailed Electrical Design for OCU and current state of ongoing works is as follows:

- Cable System Studies: 90 % Complete
- Power System Studies: 80 % Complete
- Electrical Secondary Design – 100% complete
- Electrical Primary Design: 100 % Complete
- MEP Design – Completed.
- NG compound constructional works just about to commence
- BESS and Power Transformer are installed
- Cabling and AIS yard works in progress

Apart from above electrical design HMF is also perform following jobs on the project

- Conduct Regular design review meetings with SSE/OCU.

Performing Principal Design Engineering Role

Key Deliverables:

- Complete building services design
- Protection scheme design for NG and BESS ends
- Cable rating studies and cable sizing calculations for LV, MV and HV cables
- Earthing studies and earthing system design for BESS compound
- SCADA infrastructure design

Key Milestones:

- Construction is expected to be completed in late 2024