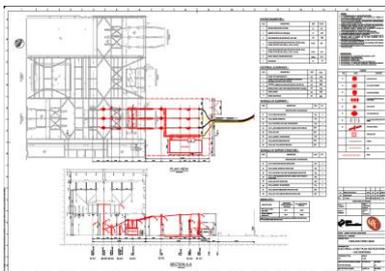
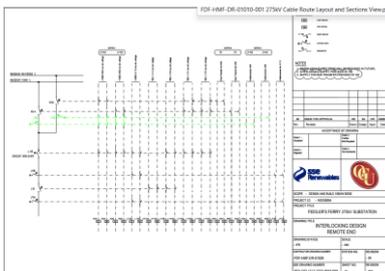
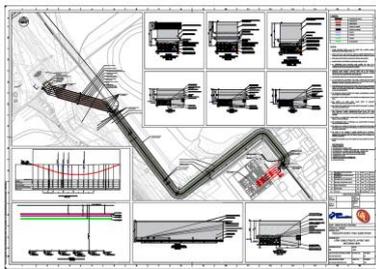


Collaboration and delivery
Partner with:



End Client:



Project Location: The site is located in Warrington, United Kingdom, postcode, WA5 2UT

Project Phase: Engineering Design

Project Description: SSE US (Scottish and Southern Energy – Utility Solutions) are actively pursuing a number of internally developed BESS (Battery Energy Storage System) projects that will ultimately support SSE's group's target for low carbon electricity generation and green agenda.

The Fiddlers Ferry estate – As shown in picture, has a long history of power generation, and the estate was bought by SSE in the early 2000's. SSE have since decommissioned the coal fire power station). In keeping with group targets SSE US have reviewed the various parcels of lands from the Fiddlers Ferry estate with a view of developing a project for the application of a grid facing transmission connected 150MW BESS project.

Project Highlights: HMF has conducted the detailed Electrical Design for OCU and have made progress as follows

- Cable System Studies
- Power System Studies
- Electrical Secondary Design
- Electrical Primary Design
- MEP Design

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

- Conduct Regular design review with SSE/OCU.
- Performing a role Principal Design Engineering Role

Key Deliverables:

- Design and develop the 275 kV SLD, KLD and LVAC Schemes of the bay to be connected to the FF- NG Substation
- Perform the 275 kV and 33 kV cable study and calculations
- Complete and submit the 275 kV Cable route and bonding schematic
- Develop the Earthing Design and report of FF BESS -Site
- Design and develop the AIS Layout of FF-TX Compound and NG Compound
- Design and Develop the Control and protection block diagram of FF- TX compound and the NF Compound

Key Milestones:

- Expected Energization in 2025