

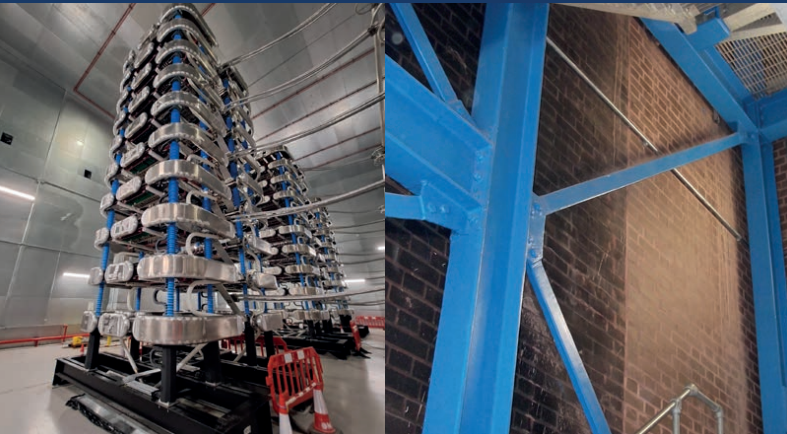
CASE STUDY

Interconnexion France – Angleterre Project: Repair following a major fire in September 2021



Project Summary

Working with National Grid to recover and reconstruct the 2000MW converter station at Sellindge, Kent to repair the Interconnexion France – Angleterre following a major fire in September 2021. One of Britain's most important interconnections with Europe, the Interconnexion France – Angleterre enables the import and export of low carbon energy, reducing the country's reliance on coal and gas generation.



The Solution

- The successful delivery of all primary and secondary steelwork delivered to replace and repair the damaged buildings
- All steelwork updated to current specifications and galvanised for additional longevity
- The successful replacement of both staircases including all primary steel, stairs, walkways and handrails
- Successful integration of all new support structures for the electrical equipment with the primary steelwork of the building
- Rapid delivery against exceptionally short lead times on all additional parts to site. This included lintels, door frames, flooring & safety fencing all required to allow energisation of the project
- Successful and comprehensive project management and partnership working between the Had Fab team and all those on site pre, during and post project construction.

Challenge

- The delivery of a hugely ambitious turnkey project to enable the earliest possible recovery of the interconnection. This included full design, detailing and fabrication
- Comprehensive detailing and connection design of all primary and secondary steelwork working with National Grid's designers - Jacobs - to update building design to current standards while also incorporating additional fire protection requirements
- Working alongside partner GE to ensure full design, detailing and fabrication of the new electrical equipment supports in parallel with work on the main building
- To support the site teams with any additional requirements during the reconstruction and provide the shortest possible lead times during this phase.

Key Achievements

- Full collaboration with all third parties to co-ordinate a number of different design elements and ensuring accurate fitment on site
- Utilising the BIM capabilities of Had Fab's modelling software (Tekla) to coordinate with the range of subcontractors on site and as the design developed during varying stages of construction
- The use of advanced connection design software (IdeaStatica) to ensure safe & economical solutions on the most complex joints
- Working with various on site installation teams to ensure correct material and information for each project phase.

www.hadfab.co.uk

HAD FAB LTD. Unit 6-7, Macmerry Industrial Estate, Tranent, EH33 1RD

e: sales@hadfabltd.co.uk t: 01875 611 711