



Your Specialist Engineering Project Delivery Partner



www.hadfab.co.uk



Power, transmission and distribution

DESIGN, SUPPLY & INSTALL

Had Fab is recognised as a UK leader in the design and fabrication of both steel and aluminium structures for the Power, Transmission & Distribution industry.

With an unrivalled in-house design team, coupled with our highly skilled engineering, and project management teams, Had Fab delivers high quality and cost-effective solutions for a wide range of key infrastructure projects.

Highly experienced in the design and fabrication of power transmission solutions and substation structure design – including the manufacture of all UK tower designs - Had Fab prides itself on working with clients from the earliest stages of a project through to full manufacture and install and all with the associated value engineering, cost efficiencies and schedule benefits expected from a market leader.

With one of the industry's most extensive UK fabrication, processing and laydown facilities, Had Fab works with DNOs, consultants, OEMs, principal contractors and supply chain partners to deliver full turnkey power, transmission and distribution solutions from check and trial erection through to extensive framework, improvement and maintenance programmes on many of the UK's extensive power T&D network projects.



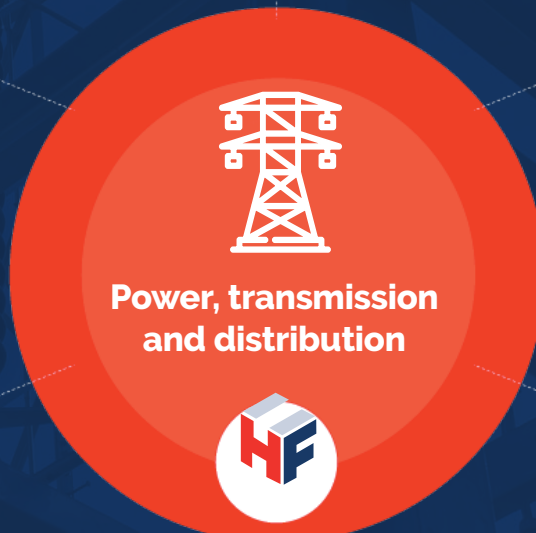
Substation structures



Access platforms



Cable sealing end platforms



Power, transmission and distribution



Pylons



Gantries

Design Capabilities

With expert knowledge in the design and detailing of steel, aluminium, GRP and hybrid structures, assemblies and components, Had Fab operates to the very latest codes and standards, directly for manufacture in line with BS EN 1090.

Early design and engineering involvement is key to a projects concept and FEED stage. As such, our design, manufacturing and installation teams work closely together, enabling Had Fab to offer the most optimised solutions, Interface Management, Design For Manufacture, Standardisation and Section weight and project cost efficiencies.

Design is undertaken utilising structural engineering software (QSE/ SCIA Engineer), allowing designs to be tested in line with relevant Eurocode loading conditions including Eurocode 3 for steel, Eurocode 9 for aluminium and British Standards for towers and access to machinery.

All designs are supplied with General Arrangement (GA) and erection drawings, full design documentation outlining structural calculations, reaction loadings and design check results.

In addition to ISO9001/ ISO 14001, Had Fab possess the capabilities to meet specific design standards as required by its customers.

Design Detailing

Fully detailed 3D model of each structure is produced in-house using TEKLA Structures, allowing any potential design issues or clashes to be identified and rectified before fabrication. From these models, full manufacturing drawing packs and material lists are generated, together with DSTV and NC files, providing CAM data for Had Fab's in-house CNC machines, ensuring continuity and integrity of data throughout the process.

Design Expertise

Had Fab's ten-strong design and detailing team are qualified to degree level across Mechanical and Structural Engineering disciplines. Utilising state of the art engineering software, including: Tekla Structures, SCIA Engineer, IDEA StatiCa, Autodesk Product Design and Manufacturing Suite, AutoCAD and Profis Hilti Anchor Designer.

The Team is Widely Experienced in Delivering Bespoke Steel and Aluminium Solutions.

| Pre-Engineering | Design | Engineering |
|--------------------------|----------------------|---------------------------|
| Feasibility | Primary Structural | 3D Modelling & CAM |
| Pre - Feed | Connection Design | Structural detailing |
| Conceptual | Secondary Steel | Fabrication Work Packages |
| FEED | Fire Ratings | Bought Out Materials |
| Surveys | Steelwork Coatings | Trade Packages |
| Structural Study Reports | Civils & Foundations | BIM |

Delivering full turnkey solutions, Had Fab's highly skilled in-house design, engineering and project management teams work closely together with all clients at the very early stages of a project to ensure operational and cost efficiencies are achieved at every phase and the most optimised solutions are delivered on time and budget.

Had Fab prides itself on its capabilities to deliver even the most complex of fabrication projects - built to the very highest standards - suitable for even the harshest environments.

With one of the industry's most extensive UK fabrication, processing and laydown facilities, Had Fab works with consultants, OEMs, principal contractors and supply chain partners to deliver full turnkey solutions from pre-engineering, design and engineering through to project and cost management programmes and ongoing maintenance provisions.



Had Fab Overview

Your Specialist Engineering Project Delivery Partner, Had Fab is a market leading project delivery partner on key infrastructure projects across five core disciplines.



Power, Transmission & Distribution

Pylons & Towers, Substations, Gantries & Platforms, Modular Equipment and packaged substation solutions.



Rail

OLE Supports, Signaling & Gantries, Substations, Platforms, Footbridges & Ramps, Modular Equipment housings.



Renewables & Energy

Renewables, Marine & Offshore including Offshore & Onshore Wind, Biomass, Carbon Capture & W2E.



Civils & Infrastructure

Infrastructure including Tubular Piles, Support Frames, Platforms & Walkways.



Full Turnkey Solutions

Structural steel frame, cladding and building envelope.



The business prides itself on its continued investment in its people and facilities, boasting a fabrication capacity of 55,000m² across four sites, a storage, laydown and check facility totaling 42,000 m² and a breath of technology designed to improve quality, efficiency, lead time and cost savings.

This includes eleven CNC machines, robotic and plasma welding technology, angle lines, saw & drill, punch and plasma cutting all with a capacity totaling 120,000 annual production and 60,000 machining hours.

A significant investment in fabrication workshops serviced by overhead gantry cranes with single-lift capability of 20-tonnes, and a 6,000 m² workshop housing two 120m manufacturing lines further add to Had Fab's standing as a market leader in the design and fabrication of carbon steel, stainless steel and aluminium solutions for major UK infrastructure projects.



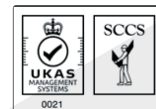
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Execution
Class 4
Steel & Aluminium



Certified by Afnor UK



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