



Your Specialist Engineering Project Delivery Partner

A photograph of a high-speed train in motion, blurred to show speed. The train is moving from left to right across the frame. The background shows a complex network of overhead power lines and steel support structures against a twilight sky. A large blue geometric shape is overlaid on the right side of the image.

www.hadfab.co.uk



Rail

Had Fab has a unique wealth of experience in the rail industry.

Providing a fully integrated and turnkey offering from initial consultancy including planning, surveys, concept and FEED, a highly skilled in-house design engineering team delivering value engineering, 3D modelling and BIM through to full manufacture, installation and construction.

Recognizing the demands of a highly regulated sector with unique standards and statutory requirements, the Had Fab business is underpinned by quality standards and business management systems that meet the highest quality control and environmental standards. These include providing only steel and aluminium products certified to the highest CE Marking at Execution Class 4 together with quality management systems accredited to ISO 9001:2015 and 140001:2015.

With installation teams fully qualified and accredited to undertake trackside siteworks, Had Fab has been audited and verified by RISQS and has worked on many of the UK's high profile rail infrastructure projects, frameworks, improvement and maintenance programmes.

With one of the largest fabrication, processing and laydown facilities in the sector, Had Fab works closely with key sector operators, consultants, engineers and principal contractors to provide cost effective, quality, turnkey rail engineering solutions that consistently deliver on time and on budget and which always maintain safety first.



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.



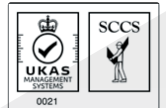
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Execution
Class 4
Steel & Aluminium



Certified by Afnor UK



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