



**Our global reach at a glance**

# Company Overview

Cairnhill specialises in giving the total package necessary to take a product from concept to manufacture. Operating as a solution based manufacturing company, using our proven project management strategy, we can provide project management services worldwide.

Operating from our 120,000 sq ft factory in Coatbridge, about 8.5 miles east of Glasgow city centre, we have invested in the very best equipment available to manufacture steel quickly, accurately and efficiently – from precision steel sawing to high speed CNC drilling lines and large area profile plate burning machines. Our highly skilled and experienced workforce provides the necessary expertise to take care of every aspect of design, production, delivery and installation. Combined with strong project management, focused on achieving efficiency of cost, time and quality, we are well set up to handle contracts of any size or volume worldwide.

## What we offer

### Front End

From the very start of any project, we can provide expert advice on the way it should be approached.

### Back Up Support

We provide support on all major engineering projects, including design, planning, drawings, CAD and technical services.

### Experience

Cairnhill has 40 years experience of providing cost effective and practical construction.

### Manufacturing

Cairnhill is always close to the cutting edge in fabrications, profiling and machining.

### Strengths

Our strength is listening to the clients needs to demonstrate our knowledge going forward.



Power • Precision • Performance



## Storage Tanks & Petrochemical



Cairnhill Structures offers a wide-range of services for your steel storage tank projects including storage tank design, fabrication, repair, construction and testing of fixed & floating roof tanks. In addition, we can offer tank cleaning, inspection, painting, rope access, hydro-cutting and demolition as part of our project management services and in doing so can deliver your tank refurbishment needs from start to finish.

Our range of services also include structural steelwork, pipework, tank roof seals, valve selection/ replacement and control systems. We ensure your steel storage tanks are repaired and upgraded in accordance with existing codes and standards (API 650, API 653, BS EN 14015, EEMUA 159).



## Oil & Gas



Our specialist capabilities allow us to offer advice on manufacturing to our clients. We like to get involved at the front end design stages which allows us to assist in constructibility studies, value engineering by simplifying the design and ultimately lowering manufacturing costs.

As well as working in collaboration at the front end, our turnkey solutions in oil and gas steel fabrication allows us to manage the project from start to finish. All of our processes are carried out in-house ensuring we are in control of project delivery and quality.

We are well versed with the requirements of working in the Oil & Gas industry and understand the challenges associated with the manufacture of safety critical products.





## Nuclear & Power

With the continued rise in energy usage and the limited life expectancy on coal-fired and nuclear power stations, Cairnhill is able to help extend the life of power installations by assisting in overhauls and major structural repairs. Our nuclear steel fabrication team have completed a large number of BOFA contracts and are now involved in the conversion from coal to biomass in many power stations worldwide.

Our expertise ranges from design and development to final delivery and installation, with a highly skilled workforce used to working on specialist fabrications for the power industry. Everything Cairnhill does is underpinned by a robust project management process, which ensures the smooth running of every contract, quality products and on-time supply.



## Steel Framing

Cairnhill specialise in the design and installation of lightweight steel framing systems, providing fast track building solutions for commercial and domestic contracts throughout the United Kingdom. Cairnhill's dedicated in-house technical team control the design, detailing and installation of light steel framed infill and superstructure projects up to fourteen storeys high.

Our portfolio of completed SFS (Site Steel Framing System) and load bearing metal frame (CairnFrame) projects demonstrates the flexibility of light gauge steel framing in the UK covering: Schools, Offices, Student Accommodation, Hotels, Care Homes, Flatted Developments, Hospitals and Health Care Buildings.



## Rail

With over 20 years' experience providing steel solutions to the rail industry throughout the United Kingdom we are aware of the high standards required across the board. We are committed to providing a service that exceeds expectations. Our in-house design and detailing team have the expert knowledge to overcome the most challenging circumstances. Our team use the latest 3D modelling software and have extensive experience with working to Eurocodes.

Our dedicated Project Managers work in close collaboration with our clients throughout the complex project journey ensuring the projects are delivered safely, to the specified quality, to budget and within the required timescale. We have vast experience working within OLE, Route Modernisation, refurbishment, Piling supply & modification. Our Network Rail approved site teams are regularly mobilised to assist in trackside maintenance and repairs.



## Bridges & Infrastructure

Structural bridge design – We can offer design and build services as well as consultancy where our engineers can discuss your requirements.

Steel bridge fabricators – Cairnhill offer a “Turnkey Solution” by taking a concept and adding value such as design and detailing consultancy, manufacture, installation and full project management until completion and hand over. Our site survey service is particularly useful within bridge refurbishment where we offer the use of our portable coordinate measuring machine that offers dimensional analysis and reverse engineering on site.

Typical bridge solutions & supply – Rail Footbridges Cable Bridges Access for all systems Bridge repair and refurbishment Bespoke Ramps and Stairs U-Decks Box Girders Bearing Plates Temporary Steelwork Warren Truss Applications.





## Ground Engineering

Cairnhill Ground Engineering offer a unique driven piling package. Whether the requirement is for driven piling as a standalone solution or the desire to combine our innovative bespoke pre cast Sustainabeam™ foundation as a package, Cairnhill have the opportunity to provide the very best solutions that the market has to offer.

A commitment to maintaining a market leading design expertise and a continued investment in plant and R&D enables Cairnhill to maintain a strongly aligned, client focused partnership regardless of project size and scope. Our in-house operational excellence is encompassed by expert technical knowledge ensuring the ability to provide the perfect one stop foundation solution for both residential and commercial sectors across the UK.



## Piling

Hot Rolled Sheet piles – The design features durable interlocks that are located symmetrically on both sides of the neutral axis. The web is continuous, thus the section modulus and shear load transfer are optimised.

The profile design has a very competitive strength to weight ratio. Due to a deep profile, the design features a higher inertia resulting in reduced deflection. This higher inertia offers the ability to choose higher steel grades (430mpa) for the most economical solution that meets serviceability requirements. The piles are normally shipped in pairs to accommodate faster installation and better alignment.

We can offer both Spiral and LSAW options for stock quantities and also large scale projects. We look to add value through every stage of the procurement process and ensure all risks are managed appropriately.



## Metalwork

Our extensive metalwork facility is fully equipped with the very best CNC machinery. From our precise steel sawing lines to high speed CNC drilling lines and sophisticated plate profiling machines, we have your metalwork requirements covered. Our utilisation of a highly skilled and experienced workforce enables us to take care of every aspect of design, production, delivery and installation.

We complement our primary steelwork offering with impressive secondary steelwork packages such as balustrade, handrails, staircases and Juliet balconies. In addition to this, we supply and install all types of metal and timber fencing systems to a range of commercial and domestic clients throughout the UK.

Cairnhill are a supplier of structural steelwork, metalwork and fencing to a vast range of industries for over 40 years. We fully understand our client requirements and expectations, which is why we provide a metalwork service that focuses on cost, quality, timescales and performance.



## Marine & Renewables

With a proven track record in supplying the marine and renewables industries, Cairnhill's experienced team of multi-discipline engineers provide technically led, value engineering support, ensuring efficient project conclusions.

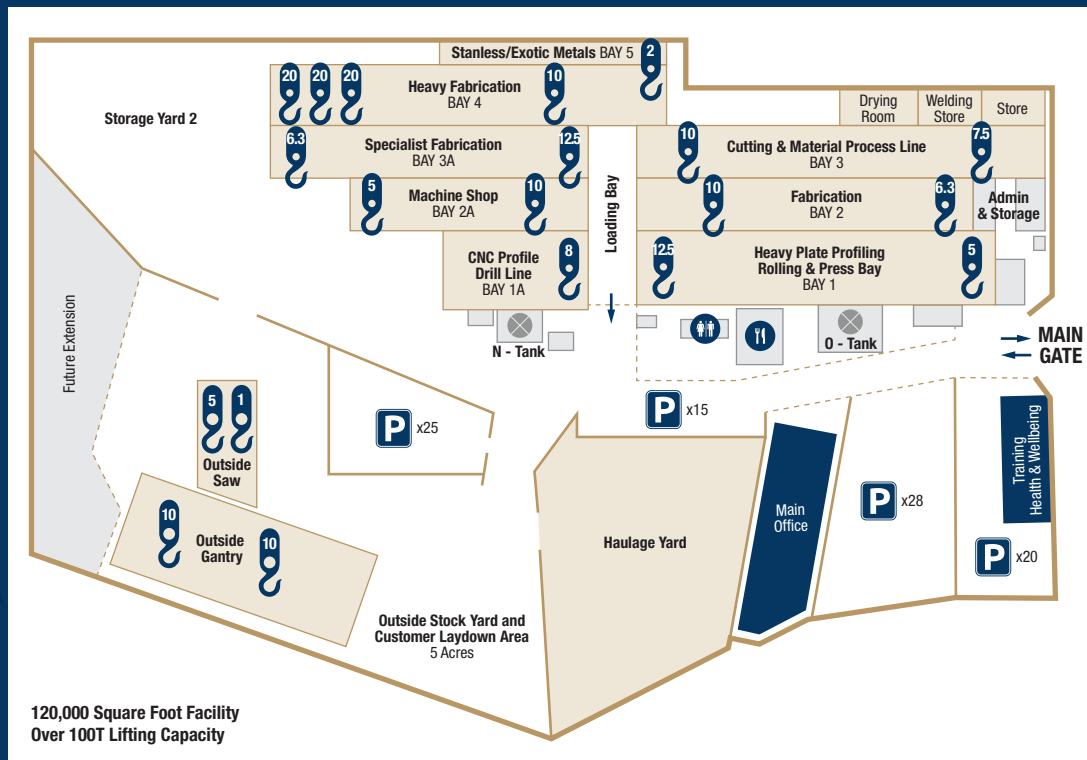
Marine grade steel – We have been active in the marine industry for over 30 years, initially supplying steel plate and profiled sections, steadily moving on to supplying Fabrication and Welding Services.

We are now a trusted supplier offering full design and manufacture of complex assemblies such as Linkspans and full fender systems.

When manufacturing replacement equipment our 3D scanning service is state of the art and ensures all surveys are accurate and replacements fit perfectly.



## Our facilities



## Why we are different

**At Cairnhill our excellent HSEQ performance is one of our core principals.**

We take a highly proactive approach to managing health, safety, environmental and quality systems to create and maintain a safe environment at all Cairnhill facilities and projects.

Our HSEQ department audits, monitors and continually improves our management systems, which are based on the requirements of ISO 9001, ISO 14001 and OHSAS 18001.

We set ourselves demanding targets in this area and ensure that our HSEQ values are supported by personal objectives for the Management Team. To monitor our performance, we set active and reactive Key Performance Indicators.

By developing trust between employees, contractors and clients, we ensure that HSEQ issues are raised, tracked and closed effectively, thereby improving performance.

Cairnhill Structures Limited, Sun Works, Waverley Street, Coatbridge ML5 2BE, Scotland UK  
T +44 (0)1236 449 393 F +44 (0)1236 449 334 [www.cairnhillstructures.co.uk](http://www.cairnhillstructures.co.uk)

Cairnhill are CE Marked to BS EN 1090-2 up to Execution Class 4. The Highest Class Achievable.  
Cairnhill are also certified to BS EN ISO 3834. Continual Investment in Quality Requirements for Welding.

