

The background image shows a large industrial crane with a lattice boom lifting a heavy, dark, cylindrical object from the deck of a ship. Two workers in safety gear are visible in the lower left, observing the operation. The scene is set against a blue sky with some clouds. The image is split vertically: the left half has a warm, orange-tinted overlay, and the right half has a cool, blue-tinted overlay.

CAIRNHILL

**High Security,
Marine & Defence**

Solutions in Steel

An aerial photograph of a wide river, likely the River Mersey, with industrial buildings and a bridge visible in the background. The water is dark blue, and the sky is a lighter blue. The text is overlaid on the upper left portion of the image.

For over 45 years, Cairnhill has played a pivotal role in the UK's high-security sector, partnering with government bodies to safeguard national interests. We have earned an outstanding reputation for delivering complex, high-integrity steel solutions designed to meet the most demanding security requirements.

Driven by our commitment to national security, we offer specialist support in the design and manufacture of precision-engineered fabrications. Our portfolio includes the successful completion of numerous high-security contracts, each executed to the highest standards.

From initial concept and detailed design, through fabrication and welding, to final delivery and on-site installation, our operations are underpinned by rigorous quality assurance and robust project management. Ensuring efficient operations, exceptional product quality, and reliable delivery is completed.





Cairnhill plays a key role in supporting the defence and national security sector, delivering advanced high-integrity steel fabrication solutions tailored to the most demanding environments.

Our experience covers a broad spectrum of critical infrastructure projects. By working in close partnership with defence organisations, government agencies, and infrastructure providers, we meet the highest standards of reliability, durability, and security compliance.

Our infrastructure projects include;

- Secure Installations
- Specialised Platforms
- Manufacture of structural components for military facilities

With a highly skilled workforce and cutting-edge manufacturing capabilities, we manage the full project lifecycle – from design and prototyping to fabrication, testing, delivery, and final installation.

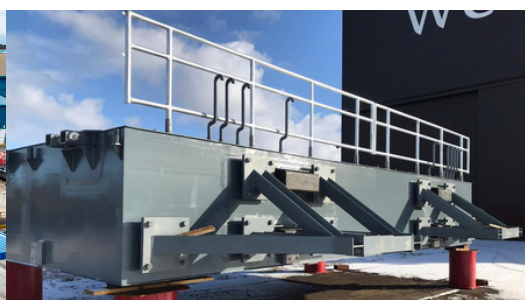
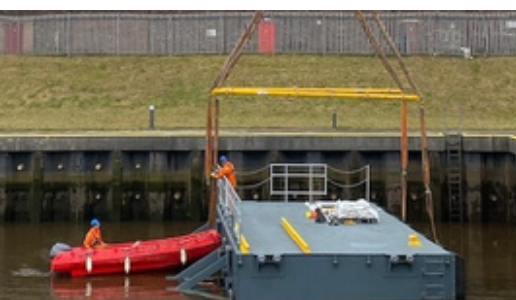
Our fabrication capabilities include:

- Blast-Resistant Structures
- Modular systems for rapid deployment
- Precision-engineered components for naval and land-based assets

We operate within strict traceability requirements to ensure compliance in highly regulated environments, delivering solutions that support mission-critical operations and long-term asset performance.

Supported by rigorous project management and a culture of continual improvement, our team consistently delivers projects to exact specifications, on schedule, and in full alignment with client expectations.

Our team brings decades of cross-sector fabrication expertise, combining technical excellence with a strong understanding of the operational needs unique to defence and national security.





6 Berth Catamaran Replacement Malin Group

Client - Malin Group

Project Value - £3 million

Project Duration - 6 months

Project Scope - Fabrication & welding, surface treatment, pressure testing, full assembly, and transportation to site.



Cairnhill was awarded the contract for the replacement of 4nr 6-berth Catamarans used in the servicing of submarines. The previous Catamarans were used to berth nuclear vessels and had reached the end of their service life. The scope of work included the fabrication of each Catamaran, comprising three primary sections: the Appendage, Tank, and Platform.

Following full assembly, the Tank sections underwent pressure testing and internal painting. The units were then transferred to our final assembly facility, where timber and rubber fenders were installed. Subsequently, the Catamarans were moved to our dedicated paint booth - capable of accommodating two vessels simultaneously - for the application of the final coating. Upon completion, each unit was shipped to the designated site for dry dock testing before being transported by barge to its final operational location.

Main Project Elements:

- Appendage (Lower Section)
- Tank (Middle Section)
- Platform (Top Section)





NSH Pontoon Package GRAHAM Construction

Client - GRAHAM Construction

Project Value - £2.5 million

Project Duration - 9 months

Project Scope - Design, supply, test, and installation of structural components.



In conjunction with the client's designer and Lloyd's Register, Cairnhill was engaged to design, supply, fabricate, weld, test, surface-treat, and dress each pontoon component.

Due to its nature, Cairnhill is limited to discussing the purpose of the fabrication. However, fabrications were segmented to allow shipping to painters and part-painting. Thereafter, they came together at our key side facility in Renfrew for finalisation of each Pontoon segment, before their final welding, painting, testing, and trial assembly of all four components together.

This project also involved a significant investment in specialised safety equipment, as well as confined space training for all operatives and close monitoring of movements in and around the fabrications.

Key Project Phases:

- **Phase 1** - Segmental Fabrications at Sun Works Site.
- **Phase 2** - Painting of Segments.
- **Phase 3** - Joining of Segments at Dockside Facility in Renfrew.
- **Phase 4** - Dressing of Pontoons (Fenders, Anodes, and Bollards).
- **Phase 5** - Testing, Commissioning, and Sign Off (in conjunction with Lloyds).
- **Phase 6** - Final Painting.
- **Phase 7** - Launch and Sail to Site.
- **Phase 8** - Site Installation.



Cairnhill Sun Works Factory

200,000 square foot facility with crane capacity of 150 tonnes



Cairnhill operates within a number of market sectors:



Storage Tanks & Petrochemical



Legacy Energy



High Security



Metalwork



Rail



Steel Framing



Bridges & Infrastructure



Subsea & Offshore



Clean Energy



Marine Renewables

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Cairnhill is certified to UKCA/CE mark to BS EN 1090-2 up to Execution Class 4. The highest Class Achievable.

Cairnhill is also certified to BS EN ISO 3834: Continual Investment in Quality Requirements for Welding.

