



**Clean Energy**

**Solutions in Steel**



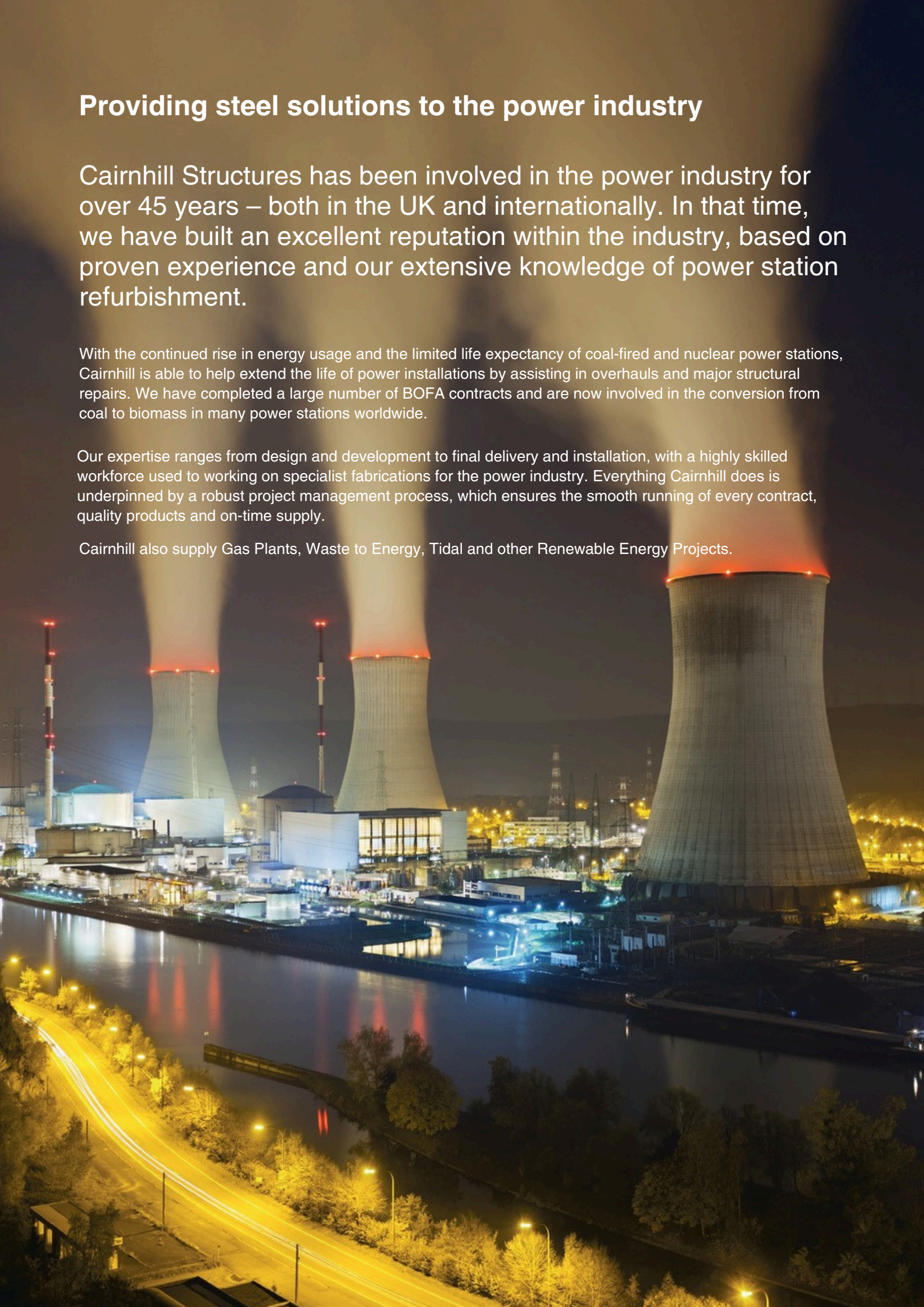
## Providing steel solutions to the power industry

Cairnhill Structures has been involved in the power industry for over 45 years – both in the UK and internationally. In that time, we have built an excellent reputation within the industry, based on proven experience and our extensive knowledge of power station refurbishment.

With the continued rise in energy usage and the limited life expectancy of 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. We 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.

Cairnhill also supply Gas Plants, Waste to Energy, Tidal and other Renewable Energy Projects.





Completed Contracts		Size of Contract
<b>Berkley</b>	Supplied & installed a mix of hot rolled and cold formed steel with traditional powder-coated and stainless steel cladding.	£750k
<b>Cottam - CHATS</b>	Support Steelwork, stairs, walkways & ventilation ducts.	£1.2m
<b>Didcot</b>	Steelwork ducting, inspector doors, air duct damper modules, sidewall and feedwater supports, BOFA ports, bar angle supports, general steelwork supports.	£1.3m
<b>Dragon Shield Door</b>	Designing of lift brackets, aiding in the installation of shield door, design testing process of door verification, support steelwork setup, and installation of Jack Screw Systems.	£1.25m
<b>Dungeness</b>	5 tonne doors.	£750k
<b>Ferrybridge</b>	Chiller Platforms, support steelwork.	£1.5m
<b>Heysham</b>	Steelwork Restraints.	£1.5m
<b>Hinkley</b>	Fabrication of biological Shielding Plates, Interface Multiplex Plates. Fixed Point Frame & Sleeves, Supply & On-Site Installation of Secondary Steelwork consisting of Galvanised Flooring and Handrails.	£40m
<b>Hunterston A</b>	SAWBR waste building encapsulation.	£1.5m
<b>Ironbridge</b>	Support Steelwork Biomass Conversion.	£1.5m
<b>Ratcliffe-on-soar</b>	Layer Steelwork, ash hoppers and backpass hoppers.	£3.1m
<b>Sellafield (SAV)</b>	High quality grade inspection level. Manufacture of Pipebridges & Towers, PAU build up. Storage & close client inspection.	£6.7m
<b>Sizewell</b>	Detailing, manufacture, supply, and installation of steel beams & associated works for the 'temporary haulage bridge' at the SSSI crossing to the north of the Sizewell C site.	£3.8m

#### Other Contracts Include:

**Cockenzie:** Strengthening works. **Rugeley:** Frames, fan support structures, stairs, duct flanges. **Moneypoint:** Tank Shell Plates. **Vasilikos (Cyprus):** Support steelwork for biomass mills, ducting steelwork, PA cooler ducts, CA tube tips. **Castle Peak (Hong Kong):** Fabricated ventilation ducts. **Langerlo (Belgium):** Fabricated core air tubes. **Bandel (India):** Fabricated burners. **Trimble County (Kentucky, USA):** Transition Pieces. **Sines (Portugal):** Fabricated burner components.



We have also provided many other products, from large fabricated ducts to platforms, furnace steps, handrails, standards, fan blades and large lifting frames. Cairnhill is responsive to needs and we are committed to meeting the industry's demanding deadlines, ensuring that all products are turned around within very short time scales.

If you would like to discuss any future contracts or partnering arrangements, please call **01236 449 393** or email **enquiries@cairnhill.co.uk**



## Separation Area Ventilation, Sellafield

**Client** - Doosan Power Systems for Sellafield Ltd

**Project Value** - approx. £6.7m of a £225m project

**Project Duration** - 5 years

**Project Scope** - Design of pipe-bridge connection, 3D modelling, fabrication, painting, and supply.

In advance of the decommissioning of the stack associated with the primary separation and head-end facility, a new, seismically qualified stack with large filter and fan house had to be built, with ventilation re-routed around the site. This involved the fabrication of a vast network of 3000 metres of ductwork installed onto new high-level steel pipe bridges (approx. 600 tonnes) supplied by Cairnhill.



### Main Project Elements:

- Street 49
- Street 20
- Street 10
- Street 14

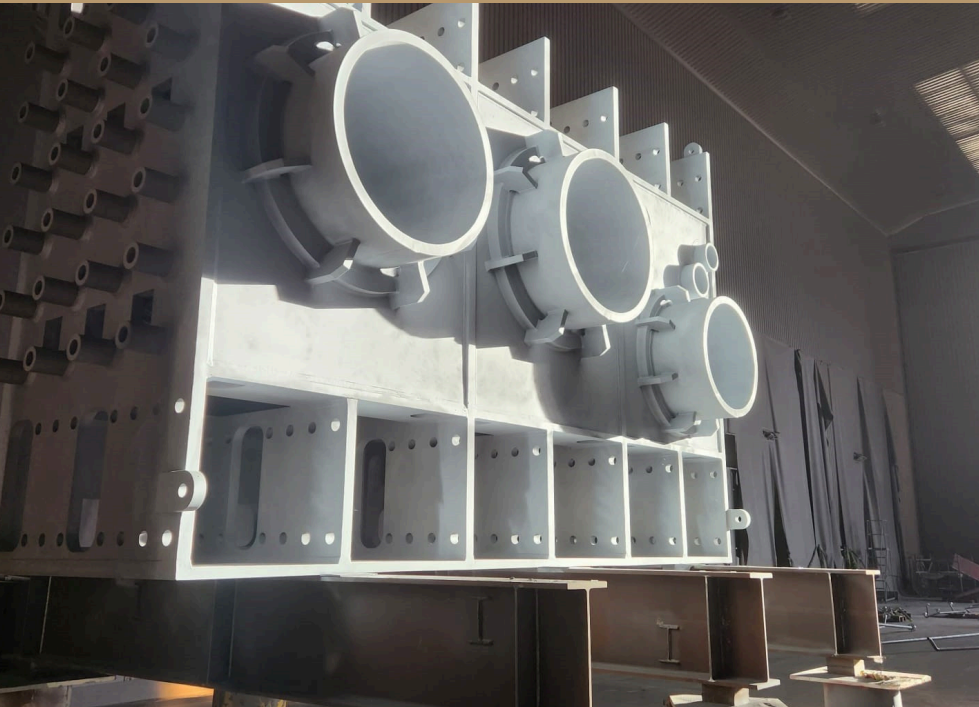
## Main Feed Pipework, Heysham



*"The supply of the goods was the fundamental starting point in massively satisfying our client EDF here at Heysham 1 Power Station. If you had not taken direct ownership of the situation and provided the depth of support then the work on site would never have been completed. I would like to personally thank you and your company for reacting in the manner which I witnessed first-hand."*

Scott Foster, Site Manager  
Doosan Babcock





## Fixed Point Frames, Hinkley Point C BYLOR

**Client** - BYLOR

**Project Value** - £4m

**Project Duration** - 2 years

**Project Scope** - Complete fabrication, welding, painting, and delivery of 4nr Fixed Point Frames for Hinkley Point C's nuclear power station.



Cairnhill was awarded a £4 million, 2-year contract by BYLOR to fabricate, weld, paint, and deliver 4nr fixed point frames for Hinkley Point C's nuclear power station. Critical for accurately positioning and securing large reactor components, our performance required high-precision engineering.

Plates, cut to 60-65mm thickness and rolled at our Sun Works Site, Coatbridge, weighed around 60 tonnes each. After rolling, they underwent extensive fabrication, welding, heat treatment, and surface finishing. One approved by the client, the fixed point sleeves were delivered to Hinkley Point C's site.

## On-site Installation, Hinkley Point C



*"Cairnhill has exhibited exceptional control over the management of Life Time Quality Records, demonstrating an impressive level of detail in ensuring traceability for each manufactured part, regardless of size. This comprehensive approach highlights Cairnhill's dedication to maintaining rigorous standards of quality and accountability, ensuring that every component, down to the smallest part, is documented and traceable throughout its lifecycle. Such meticulous recordkeeping practices underscore their commitment to excellence and reliability in their project deliverables."*

Mihai Dinga, Quality Engineer & Lead Auditor  
BYLOR



# 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**

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

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.

