

# Design & Manufacturing

## Industry Leading Heat Transfer Experts

With a track record spanning over 80 years, Glacier Energy has extensive experience in the design, manufacture, and repair/refurbishment of heat exchangers and pressure vessels.

Through acquiring pressure vessel specialists Whiteley Read in 2018, Glacier Energy's capabilities were strengthened with the ability to design and manufacture high-integrity pressure vessels as well as heat exchangers for a wide range of clients.

Glacier Energy is one of the only dedicated design & manufacturing companies in the UK with specialist thermal & mechanical engineering capabilities. Operating internationally, we are at the forefront of innovative and effective heat transfer products, with a strong focus on managing energy efficiency.

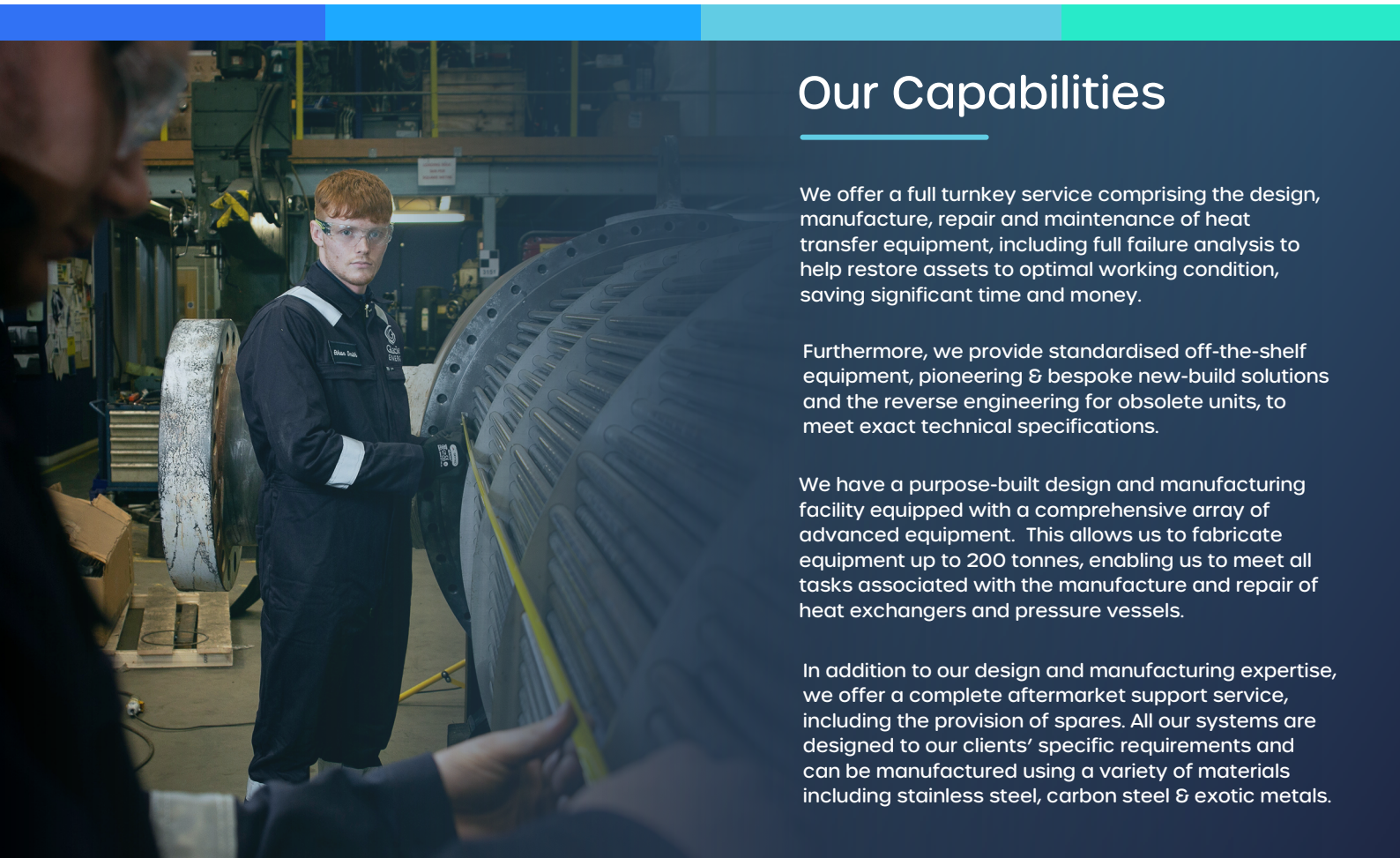
## Our Capabilities

We offer a full turnkey service comprising the design, manufacture, repair and maintenance of heat transfer equipment, including full failure analysis to help restore assets to optimal working condition, saving significant time and money.

Furthermore, we provide standardised off-the-shelf equipment, pioneering & bespoke new-build solutions and the reverse engineering for obsolete units, to meet exact technical specifications.

We have a purpose-built design and manufacturing facility equipped with a comprehensive array of advanced equipment. This allows us to fabricate equipment up to 200 tonnes, enabling us to meet all tasks associated with the manufacture and repair of heat exchangers and pressure vessels.

In addition to our design and manufacturing expertise, we offer a complete aftermarket support service, including the provision of spares. All our systems are designed to our clients' specific requirements and can be manufactured using a variety of materials including stainless steel, carbon steel & exotic metals.



# A Reliable Partner

There aren't many companies that can match our [in house capabilities](#) and you can rely on Glacier Energy to meet your requirements. By taking into account process requirements, size constraints, classification society rules and material suitability, Glacier Energy can [optimise](#) the design efficiency of each asset and deliver full [value](#) for money.



Track Record	
Client	Work Scope / Equipment
PBS by Ponticelli	4 High Pressure Heat Exchangers
Cheesecake Energy	3 High Pressure Energy Storage Coolers
Premier Oil	2 Inlet Separators
BP Exploration - Shah Deniz	2 Low Turbo Expander Inlet Scrubbers
National Grid	2 Compressor Suction Gas Separators
Petrofac Facilities Management	2 Plate Heat Exchangers
Neptune Energy	2 MP Compressor KO Drum
Repsol Sinopec Resources UK Ltd	Failure analysis and supply of E6 Gas Cooler

## Repair & Overhaul

In addition to our design and manufacturing expertise, Glacier Energy has a wealth of [experience](#) in the provision of repair and refurbishment services to drive down the cost of ownership and mitigate operational risks to reduce life cycle costs. Using our [in-house capability](#) and technical [expertise](#), we can offer a fully integrated repair and refurbishment solution comprising of advanced inspection, onsite machining and welding services.

Glacier Energy can re-engineer critical operational assets that are inefficient, but still in operation. Through our ability to [reverse engineer](#) and [refurbish](#) key components & equipment, we help clients save significant costs by extending the life of the asset and ensuring there is no need for a shut-down.

## A Proactive Participant in the Energy Transition

In support of achieving [net-zero](#) and aligned by a joint vision, we are dedicated to providing our clients with more [efficient](#), [reliable](#) and [sustainable](#) heat transfer solutions. As a trusted partner with a strong track record, we operate within the Hydrogen, CCUS, Circular Economy, Waste to Energy and Energy Storage Industries. Currently, we are proud to be supporting several companies from FEED to delivery for Circular Economy, CCUS and Hydrogen projects.



### We design & manufacture:

#### Heat Exchangers

- Shell and Tube
- Air Coolers
- Fin Fans
- Waste Heat Recovery
- Radiators

#### Pressure Vessels

- Pig Launchers & Receivers
- Pressure Containing Equipment
- Separators
- Slug Catchers
- Scrubbers
- KO Drums
- Coalescers
- Columns

Glacier Energy's heat transfer capability complements our broad portfolio of additional onsite services including advanced [inspection](#), [machining](#) and [welding](#) solutions. This blend of integrated services ensures clients' engineering and asset integrity work scopes can be delivered more safely, reliably and cost effectively, all through a single provider.