

# Heat Transfer Solutions

Optimising the performance of your operational assets and infrastructure.

Glacier Energy is an international provider of specialist products, services and engineering solutions for new and existing infrastructure.

Our heat transfer division are renowned specialists in the provision of market-leading heat transfer solutions. 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.

We have an established track record across the energy sector including alternative energy, where we see significant growth potential.

As a proactive participant in the energy transition and to help achieve the industry's net-zero ambition by 2050, we have been working with Innovate UK to support the energy storage requirements of several new and progressive energy service partners and university R&D departments.

## Design & Manufacturing

Glacier Energy is one of the only dedicated design & manufacturing companies in the UK with specialist thermal & mechanical engineering capabilities. We provide standardised equipment, pioneering & bespoke new-build solutions and the reverse engineering for obsolete units, to meet exact technical specifications.

To support our future growth, we are moving to a larger design & manufacturing facility in Aberdeen. This move demonstrates our ongoing commitment to the energy sector and the delivery of more innovative and pioneering heat transfer solutions.

# Optimisation Services

We offer clients a range of performance enhancement services for all ages and types of heat exchangers to help safeguard & improve the operation and efficiency of your thermal transfer equipment.

- Repair & Refurbishment
- Emergency Response
- Monitoring & Performance Audits
- Failure Analysis
- Design Optimisation & Efficiency Studies

# Operational Fouling

The annual cost of corrosion and incursion deposit in the energy industry is estimated to be 10s of billions of pounds annually. Excessive fouling can reduce operational efficiency and increase energy consumption due to the higher thermal resistance caused by fouling deposits.

## Liquid Blast

Glacier Energy provides specialist cleaning services for preventing or reducing fouling. Liquid Blast helps descale a wide variety of residues and can reduce maintenance downtime from 2 weeks to 2 days. It can be used in-situ offshore or onshore without the need to dismantle assets and is safe to use on titanium, steel, stainless steel, copper, brass, plastic & rubber.

## We design & manufacture the following

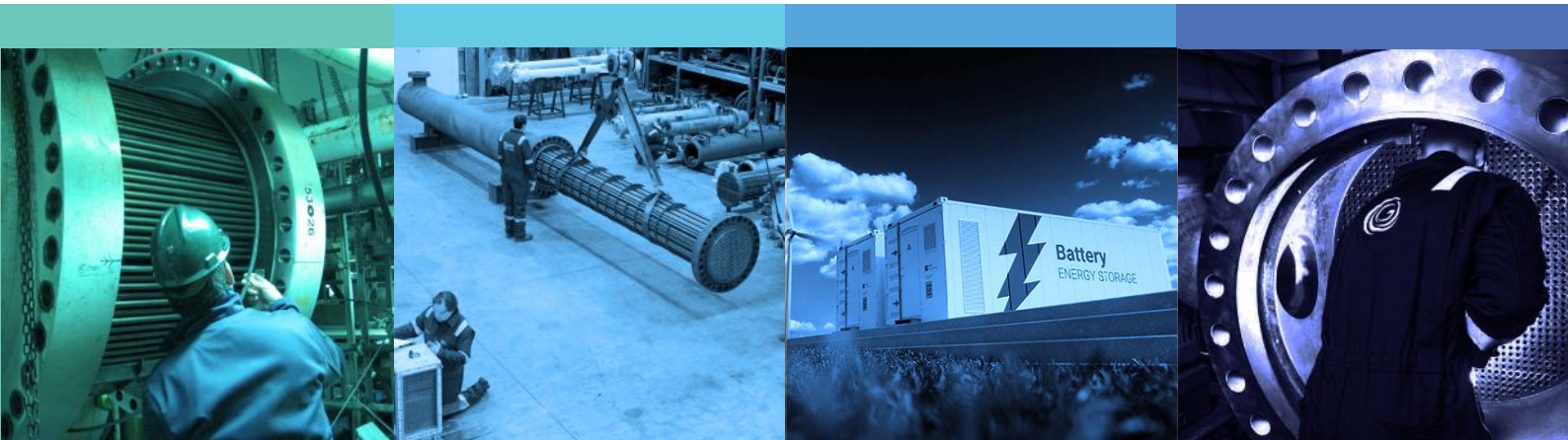
- Shell & tube heat exchangers
- Air cooled heat exchangers
- Pressure vessels
- Pig launchers and receivers
- Pressure containing equipment
- Radiators

## Real-time monitoring through digitalisation

To support the sustainability of our industry and provide greater efficiencies for our clients, we have developed an innovative & predictive heat exchanger maintenance solution, to better manage risk through mitigating unplanned downtime.

HTX Digital is an intelligent and proactive maintenance solution that uses existing data, combined with predictive analytics, to trend and predict the future performance of heat exchangers leading to smarter decision making and more effective maintenance scheduling.

**HTX** DIGITAL®



# Fully integrated partner

Glacier Energy's heat transfer solutions capability complements our broad portfolio of additional on-site technical services including **NDT & inspection**, **machining** and **welding** solutions which are all delivered on-site or from one of our dedicated workshops. This unique blend of value-added services ensures our clients' engineering & construction, integrity, and life extension projects can be delivered more efficiently and effectively, through a single-source provider.



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