



Heat Exchanger
Excellence

DESIGN • BUILD • SUPPLY • INSTALL • MAINTAIN

www.theforcegroup.co.uk/heatx-force



*We are committed to
providing industry with the
latest technology, consistent
high quality, outstanding
reliability and the highest
levels of performance.*

Welcome to **Heatxforce**

With over 30 years of heat exchanger knowledge and experience, Heatxforce offers a full range of products and services from detailed design through to the supply and installation of heat exchanger packages.

Working alongside Heatxforce you can be sure that your process and HVAC systems run safely, smoothly and efficiently because we will fully understand your needs. We offer bespoke tailored heat transfer systems for site specific conditions.

Our comprehensive knowledge and experience covers the following heat exchanger types:

- Shell and Tube
- Charge Air Coolers
- Plate Heat Exchangers
- HVAC Coils (steam, water and refrigerant)
- Calorifiers

In addition to supply, our on-site and in-house services include:

- Pipework and welding
- Diagnostics
- Modifications
- Repair
- Overhaul
- Through tube cleaning
- General fabrication
- 24 hour working to reduce customer downtime

Following a site survey, you can rely on Heatxforce's extensive knowledge to offer a comprehensive proposal, taking the hassle away from you because we will own the project from start to finish.

Choose Heatxforce as your heat exchanger partner. You will have a dedicated team to support you and a dedicated specific single point of contact. The overall package will include the valve, temperature control and control loops that are often associated with heat exchangers.



Marc Bozdogan
General Manager

Our partnership

delivering a turnkey approach

Customer requirements are continually changing and the Force Group is constantly evolving to align our business to their needs. The integration and foundation of specialists Heatxforce is testament to that.

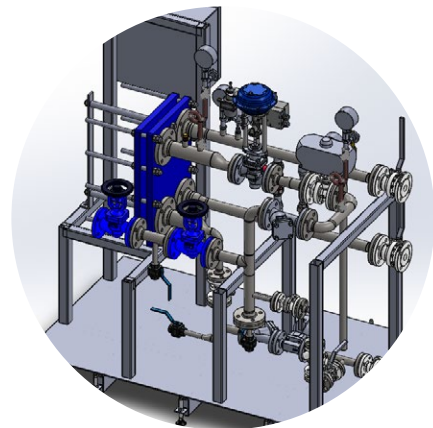
The Force Group vision is to be the number one partner of choice for your industrial and process control needs. We want our customers to see the Force Group as an extension of their team. The introduction of our specialist heat exchanger arm, Heatxforce is evidence of this philosophy.

Across the Force Group, we have the manpower and expertise to help you improve, monitor, control and maintain your plant and process. For every stage in your project, you can rely on the Force Group. With the very best level of service, independent expert technical advice and the benefit of a multi-disciplinary team, we guarantee the performance of your plant. We believe that we can achieve this only by investing in our biggest asset – our workforce. They are highly trained, experienced and proactive engineers, technicians and sales support staff, who play a vital role in our reputation for reliability and outstanding customer support.

Working on product and application knowledge, workmanship standards, exceptional levels of service and strong relationships with our customers, we ensure that you receive the very best level of service throughout every stage of our partnership.

Total Industrial Control

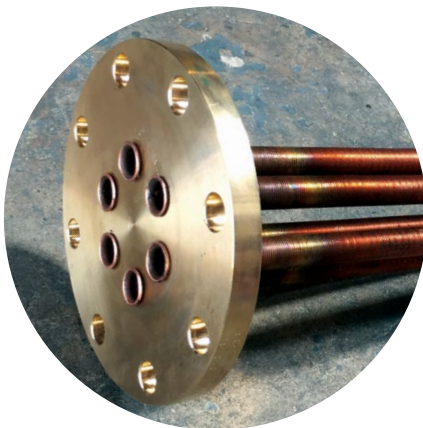
With a turnkey approach firmly in mind, the Force Group continues to develop its offering with the



SPECIFICATION & DESIGN

Understanding Your Needs

We invest time into understanding our customer's issues, using our expertise we develop the most cost effective approach to the solution.



SUPPLY & INSTALLATION

A Turnkey Approach

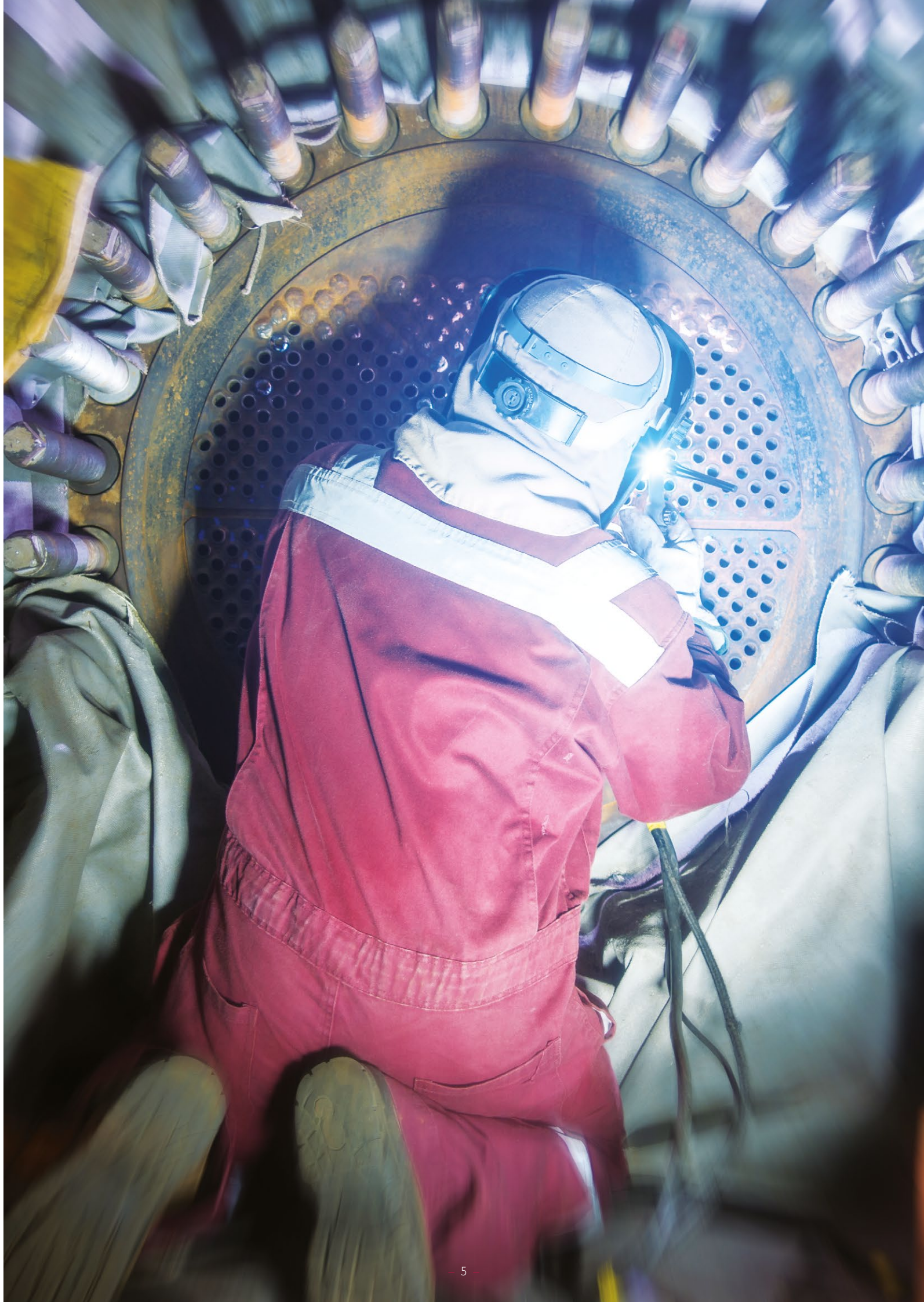
A multi-disciplined turnkey approach to executing the projects that we deliver. Full equipment supply, thermal efficiency calculations, mechanical and electrical service.



SERVICE & MAINTENANCE

Repair / Maintain / Diagnose

Full dismantling and reassembly of your heat exchanger units, plate and tube cleaning, testing and inspection, re-gasketing, assembly and test. Plus planned preventative maintenance programmes tailored to you.



emphasis in the following areas:

Our markets and industries

We work throughout many industries. As detailed heat transfer specialists we are able to work closely with our wide and varied customer base and solve critical issues across diverse markets and sectors.

Steam & Condensate

Steam is a critical media in many areas of industry. We carry out work from complete replacements to design and build of heat exchanger projects through to DHW and LTHW coil replacement and repair.

We ensure that you get the right type of heat exchanger and associated controls for the application, whilst also managing the maintenance of your equipment.

- Domestic Hot Water Calorifiers
- Coded Pressure Vessels
- Instantaneous Plate Heat Exchangers
- LTHW / MTHW Heating
- Non Storage Calorifiers
- AHU Steam Coils and Heater Batteries

Processing Industry

In the processing industry, the applications of heat exchangers are vast and varied. With our level of understanding and excellence we are able to design and install the exact technology you need for your heat exchanger application.

A highly reliable system is often priority, as is the protection and peace of mind that a planned maintenance agreement will provide.

- Instantaneous Direct Product Heaters
- Process Heat Exchangers
- Heater Batteries and Coils
- Tube-in-tube Heat Exchangers

Energy & Power

Our experience can bring value to your Combined Heat and Power (CHIP), Co Gen and Tri Gen plant projects.

For new projects we will manufacture to specific designs or work together and design a specific heat exchanger for your application. For existing installations we can provide a comprehensive range of off-site services.

- Oil Coolers
- Transformer Coolers
- Gas Turbine Coolers
- Fin Fans
- V-coolers
- Exhaust Gas Coolers



Oil & Petrochemical

We are proud to work alongside some of the largest oil and gas companies. Due to the unique requirements of these customers, our designs will have gone through extensive design reviews, modelling and testing phases. Full inspection is required and the highest of standards are adhered to with the appropriate documentation generated.

- Shell and Tube Heat Exchangers
- Finned Coil Heat Exchangers
- Steam Condensers
- U-tube Heat Exchangers

Food & Beverage

By working with the on-site engineers, we ensure that the plant is maintained and fully optimised for the efficient use of steam and hot water. We design and supply pre-fabricated steam to water heat exchanger packages, together with the full temperature control loop. This will often be supported by us, under a routine maintenance agreement.

- Pasteurisation Heat Exchangers
- Instantaneous Water Heaters
- Cooling Water Calorifiers
- Tube-in-tube Process Heating

Heating & Cooling Systems

This is a core business for us. We work with building service engineers and facilities management teams to supply new heat exchanger packages. Equally as common, is the cleaning, re-tubing, and re-engineering of various types of heat exchangers and coils.

- Heater Batteries
- Hot Air Blowers
- Condensers
- Evaporators



Our expertise and the benefits to you

Heatxforce's engineers have a fantastic reputation for providing expert solutions to complex heat exchanger problems.

Our Capabilities

As soon as you contact us, you benefit from our many years' experience as specialists in the field of heat exchangers and thermal efficiency. We are dedicated to providing high standards and quality in design, manufacturing and servicing of heat exchanger packages. We offer full thermal and mechanical calculations.

- Full design and consultation services through to fabrication, installation, controls and commissioning
- Specialist in all heat exchanger technologies
- Plate heat exchanger strip, re-gaskets, re-builds and refurbishment
- Mechanical layout design
- Mechanical and electrical installation
- Maintenance and refurbishment
- Installation and commissioning services
- Emergency on-site repairs
- Comprehensive manufacturing and refurbishment workshop
- Full cleaning and testing services
- On and off-site repairs and maintenance
- Shell and Tube testing, replacing return bends, blanking off leaking tubes and re-tube
- Annual service agreements, emergency response cover and one-off repairs as required
- Replicate existing units



Consultancy & design

Our team will discuss your plant with you to assess your requirements. We then apply our extensive knowledge and associated technical expertise to offer you a structured independent recommendation to improve the efficiency of your plant.

You can rely on us to design, specify and supply your full equipment package. You will receive independent support and expert advice to guarantee the right product for your application.

Our in-house design team use Autocad and Solidworks to produce precise drawings, schematics, calculations and product specification.

On & Off-Site Repairs and Maintenance

We offer both in-house and off-site repairs. All our highly trained engineers are CCNSG safety passport holders, who regularly undertake in-house training. In order to reduce the downtime to your equipment, we can have one of our experienced engineers visit your site and overhaul your plant in-situ. We carry out works such as testing, de-tubing/re-tubing, welding, heat exchanger installation, commissioning, and plate pack servicing.

All our heat exchanger packages are built to the highest standards, with our in-house testing procedures ensuring outstanding performance and reliability. We have an extensive manufacturing facility comprising of assembly areas, inspection & test sections and dedicated storage.

On-site Service & Support On-site repairs

We understand that time is often not on our side and it is far easier to carry out works in-situ, especially where repairs are concerned.

Our team and workshop will come to you, to offer a complete on-site repair and overhaul service.

We provide an extensive range of supporting services including the following:

- New installation and replacement projects
- On-site maintenance and refurbishment
- Re-tubing and header manufacturing
- CIP and fitting of new plate pack or re-gasketing
- Pressure testing and certification

Preventative Maintenance Service Contracts

Depending upon many factors, the performance and efficiency of heat exchanger equipment can diminish over time.

By choosing to protect your heat exchanger equipment with a service agreement, you will receive a specialist maintenance programme that not only ensures your system is running at its best, but helps to minimise costly downtime.

There is never a convenient moment for your systems to degrade or break down, so a proactive preventative maintenance approach can help ensure a smooth and efficient plant operation.

All service visits are managed and carried out by our nationwide network of service engineers. Their knowledge of heat exchanger packages and controls is second to none and you can be confident that your equipment is in expert hands.

We are strategically located at the heart of the UK giving us fast and easy access to our customers, who often need urgent and experienced support.



Our products and manufacturing

Heat Transfer Packages

Hot water generation is a critical part of many industrial processes and on-site utilities. As a design and systems specialist, we have the ability to fully understand your application and site requirements, and to fully design, model and build your heat transfer package off-site.

With our experience in steam and hot water, a heat exchanger package will be designed by our specialist team. You can be confident that the system will be accurately sized and the specified equipment will be reliable, require less maintenance and be exact in its operation.

We manufacture in our factory to ensure simple on-site installation and commissioning, whilst ensuring minimal operational impact and downtime.

Calorifiers

Designing and manufacturing heating calorifiers is core business for us. We provide new-build and installation, re-tubing and bundle replacement, crop-backs and tube sheets. We also carry out insurance inspection preparation and any remedial work as required.

The heat exchangers can be bespoke, designed and built for a specific application. However, we also carry out extensive repair work and upgrades, such as replacement tube bundle, re-tubing, shells and channel replacement, plugging and repairs.



Quality Assured

All of our products are manufactured to a high standard, with quality being our main focus. Our skilled team has a wealth of heat exchanger knowledge and experience. All products are tested and inspected prior to being packed up for dispatch.

Fin Coils

We manufacture, supply and install all types of fin coil for HVAC units, including refurbishment and replacement, redesign and upgrades, cleaning and on-site assembly.

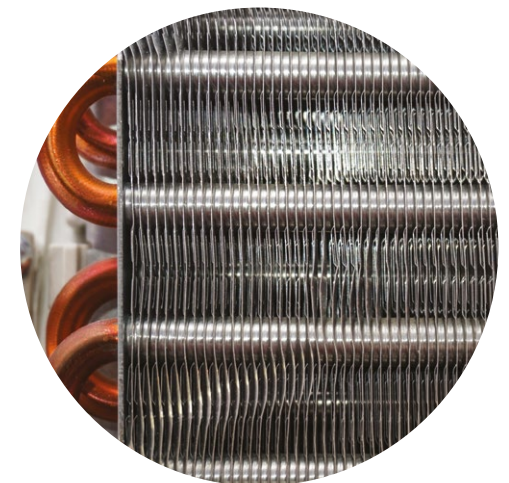
Finned Tube Air Coolers

We manufacture, supply and install all types of finned tube air coolers/ heaters, including refurbishment and replacement, redesign and upgrades. This is as per customer requirements, from a selection of chosen materials.

Plate Heat Exchangers

Plate heat exchangers are now used more extensively through many heat exchanger applications. Our services include chemical and ultrasonic cleaning, re-gasketing and plate pack expansions.

We can carry out inspection services, strip downs, crack detection, re-gasketing and pressure testing to ensure your plate packs are clean and transferring heat as efficiently as possible.





Heatxforce Ltd
Unit 20 Monkspath Business Park
Shirley
Solihull
B90 4NZ

 0121 740 0130

 0121 711 1909

 info@heatxforce.co.uk

 www.theforcegroup.co.uk/heatx-force

part of The **force** Group
of Companies Ltd