



The long-term partner of choice for
bespoke heat exchange solutions



We customise heat exchangers to your specifications, ensuring long-term efficiency, reliability, and ROI. As pioneers in heat exchange, we drive technical progress and accelerate the energy transition.

We understand the complexity of your needs and the pivotal role of heat exchangers in your operations. We invest and believe in genuine partnerships.

Pioneers in heat exchange innovation since 1904, we are a global leader in custom-design and manufacturing. We offer comprehensive solutions tailored to your requirements, from generator coolers to shell and tube, compact and extended surface heat exchangers. And when it comes to aftermarket support, we stand by your side.

Our commitment to you goes beyond building robust equipment; it is about fostering durable relationships. We actively engage with your requirements, strive to understand your challenges, and respond promptly to your demands.

With a proven and extensive track record of collaboration across various industry sectors worldwide, we've demonstrated our ability to tackle even the most complex challenges. We successfully collaborate with end-users, OEMs, EPCs, technology providers and R&D institutions ranging from large organisations to startups.

Backed by an in-house design office, manufacturing facilities, and first-class service, we supply tailor-made heat exchange solutions that deliver a positive return on investment and add tangible value to your company. Furthermore, thanks to our aftermarket department, we're with you every step of the way, offering full project life cycle commitment and support.



"We chose Sterling TT to assist us with our ammonia cracking process for producing green hydrogen because of their ability to customise the shell and tube heat exchangers to our specific requirements. The design team at Sterling TT ensured they understood our needs thoroughly and delivered a solution to our expectations. Sterling TT's expertise and dedication to customer satisfaction make them an invaluable partner in our journey towards sustainable energy production."

Peter Zürcher
Project Manager
Cargo- and Fuel Systems
Wärtsilä Gas Solutions

Sterling TT a trusted brand. Your go-to heat exchanger experts

With a rich history in heat transfer, we've earned the trust of leading businesses across industries. Our expertise ranges from applications such as NH₃ production and cracking, carbon capture, waste to energy, waste heat recovery (WHR), to organic Rankine cycle (ORC), and small modular reactors (SMR).



Defence

The defence sector not only values our pedigree and longevity in operation but also recognises our excellence in providing cutting-edge new heat exchangers and upgrades. We supply global OEMs for world leading navies e.g. UK, Australia, Singapore, USA and Canada.



Renewables

The energy transition is central to our vision. We unlock the potential of your projects from conceptual phase to operation. Our innovative technologies ensure exceptional performance, minimal downtime, and extended equipment lifespan across nuclear, hydro, gas, and biomass power plants.



Oil and Gas

We understand your constraints and tackle your challenges by optimising heat exchange solutions for maximum safety, uptime, minimal maintenance, and within smaller footprints. Bespoke designed, using corrosion-resistant materials, to recognised standards including ASME U stamp, PED, PD5500 or Norsok.



Power Generation / Distribution

Our advanced coolers ensure your rotating machines or transformers last and perform exceptionally even in harsh environments (e.g. desert). We design heat exchangers that achieve high heat transfer rates and minimise energy losses. We manufacture in a range of materials to mitigate the risk of corrosion, erosion, and thermal stress.



Industrial

By efficiently transferring heat, our heat exchangers can enhance the reliability and lifespan of your plant, reducing downtime and maintenance requirements.



Marine

We help ship owners and operators increase the efficiency and reliability of engines and ancillary cooling equipment by developing and refining our heat exchange solutions for specific operational requirements.

Our pedigree. Delivering benefits that truly last.

Acting as a technical partner to many of the world's leading businesses, Sterling Thermal Technology designs and manufactures heat exchangers to custom specifications – from first principles to lasting partnerships.

We are a business with a proud pedigree. Previously known as HEI, Thermo Engineers, Britannia Heat Transfer, Thame Energy Services and Britannia Heatex, we have over 100 years' continuous experience in the heat exchange industry. Throughout our history, we have been at the forefront of technology, developing new and pioneering solutions to meet the changing demands and challenges of global industry.

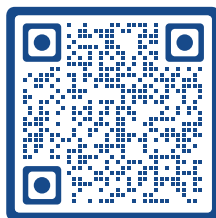
We have the backing and resource at our disposal to step forward, with you, into an even stronger future.

For more information

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