

NEW FABRICATION

We design and manufacture Shell & Tube Heat Exchangers to meet clients' size and pressure constraints, while achieving maximum heat transfer with increased lifespan and efficiency. Our expertise include manufacturing and fabricating whole range of materials from low temperature, stainless steel, duplex, super duplex, copper nickel to clad materials.

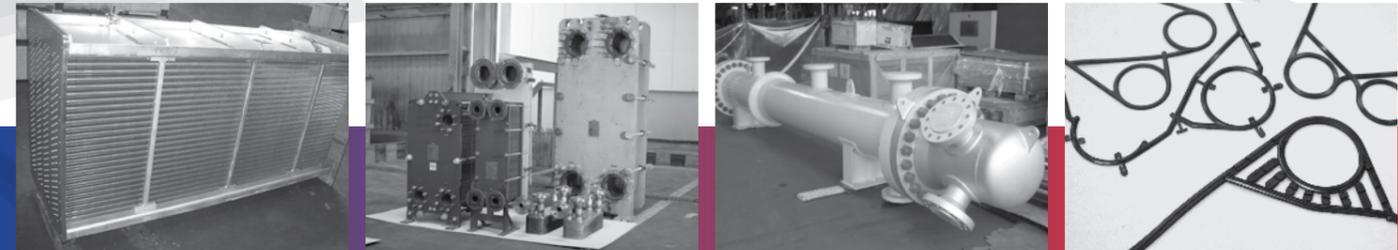
Our Heat Exchangers are able to meet the stringent requirements of any certification parties (e.g. BV, DNV, and ABS etc) and are able to comply with ASME, API 660 and TEMA standards. We are also an approved manufacturer for NKK & DNV class and certified with ASME 'U' Stamp and ASME 'U2' Stamp.



SERVICING

We perform maintenance cleaning, restoration and other aftersales services of Shell & Tube Heat Exchangers for our clients, which enable clients to operate their plants and vessels more cost efficiently. Included in our service offerings are chemical cleaning, in-situ chemical circulation cleaning, partial or complete re-tubing, reconditioning, fabrication and re-engineering.

We are also a National Board 'R' Stamp certified workshop for the conduct of necessary repair, alteration and re-certification of ASME Pressure Vessels and Shell & Tube Heat Exchangers.



REPAIR & SERVICE



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OUR SERVICES

CHARGED AIR COOLERS



NEW FABRICATION

We design and fabricate Charged Air Coolers used in the diesel engines and main engines of ocean going vessels.

Through the practice of Kaizen, we continuously improve our manufacturing processes to include specialised machineries and equipment, thus reducing our manufacturing time. Unlike the conventional means of mechanical expansion, our tubes are also hydraulically expanded, which ensure uniform expansion throughout the manufacturing process, thus minimizing any localised stress in the tubes.

With in-house quality control systems and certified ISO 9001:2008 standards in place, all charged air coolers undergo stringent quality checks at various manufacturing stage, including material testing, dimensional check, expansion ratios and hydrostatic test.

Periodic supplier audits also ensure that our suppliers provide us with materials of the highest quality, to keep up with our stringent quality requirements.

SERVICING

We conduct ultrasonic cleaning, vacuum leak detection, restoration and manufacturing of air coolers.

To provide our customers with quality product and shortest downtime, Heatec conduct our cleaning process in stainless steel chemicals tanks equipped with ultrasonic transducers and heaters, which expedite the removal of oil and foreign particles trapped between the fins.

Equipped with in-house design capability, Heatec is also able to re-engineer and manufacture air coolers, making us the one stop shop for the clients 'heat exchangers' needs.



PLATE HEAT EXCHANGERS

SERVICING

We provide full maintenance services for Plate Heat Exchangers including dismantling and assembly of Plate Heat Exchangers, chemical cleaning of plates, high pressure plate washing, crack detection, re-gasketing c/w oven-curing, supply of gaskets and spares. We supply a comprehensive range of gaskets for the following makes: APV, Alfa Laval, GEA, Sondex, SWEP, Tranter etc.

Our Cleaning-In-Place (CIP) is an effective method to clean plate heat exchanger without opening the unit. CIP performs cleaning of fouling and descaling of lime deposits; passivation of cleaned surfaces to reduce vulnerability to corrosion & lastly neutralizing of cleaning liquids before draining. These maximise the efficiency, performance and reliability of the plate heat exchanger.

