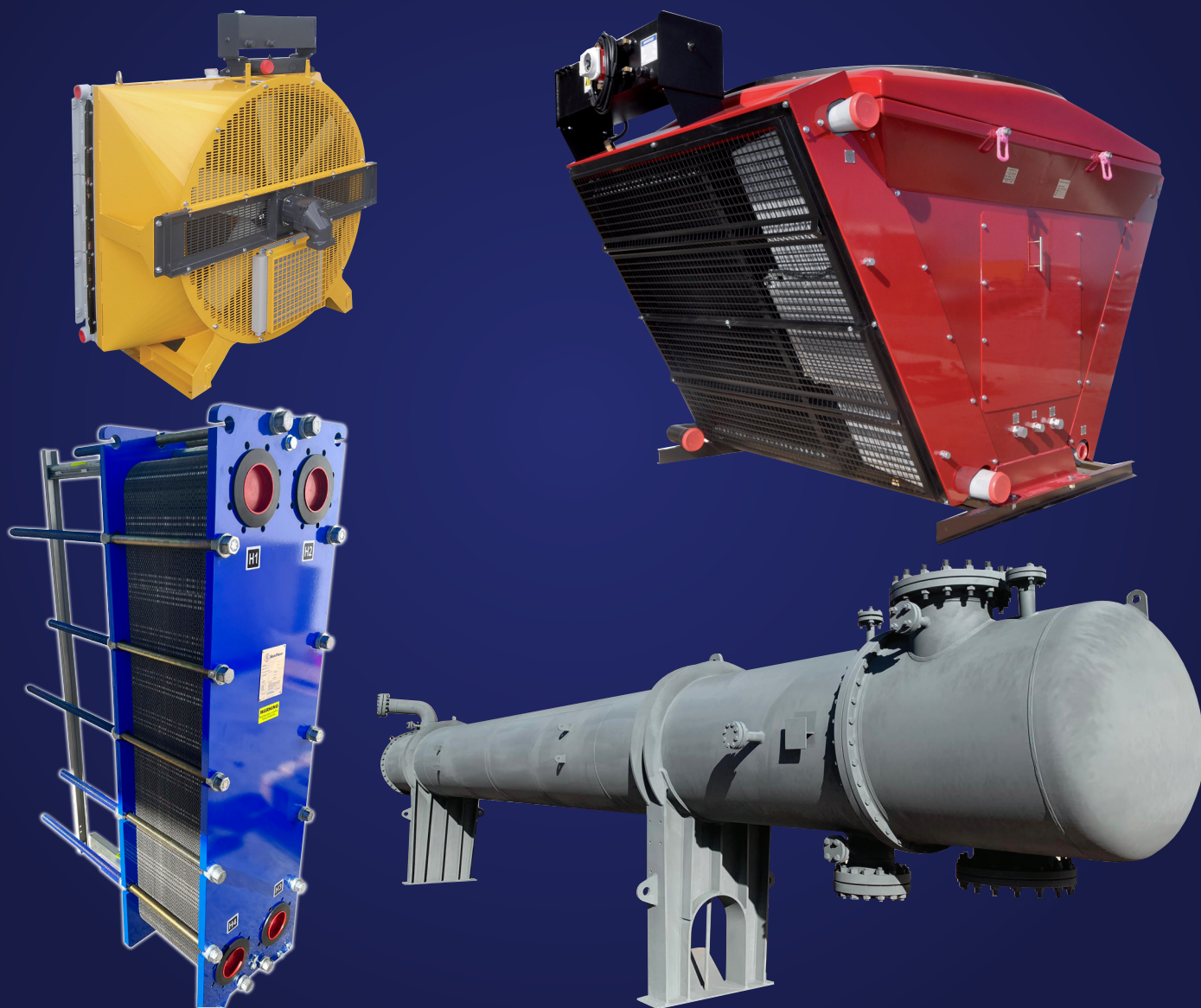




- MINING • DRILLING • HYDRAULICS • POWER GENERATION
- REFINERIES • OIL AND GAS • MARINE • FOOD
- MOBILE PLANT & MACHINERY



**DESIGN | MANUFACTURE | MAINTENANCE
OF HEAT TRANSFER EQUIPMENT**

HTRI





ABOUT US

Allied Heat Transfer are a group of heat exchanger specialists who have the knowledge and experience to design, manufacture and maintain Heat Exchangers and Industrial Coolers.

Allied Heat Transfer have four main departments which can help you with your cooling or heat transfer needs:

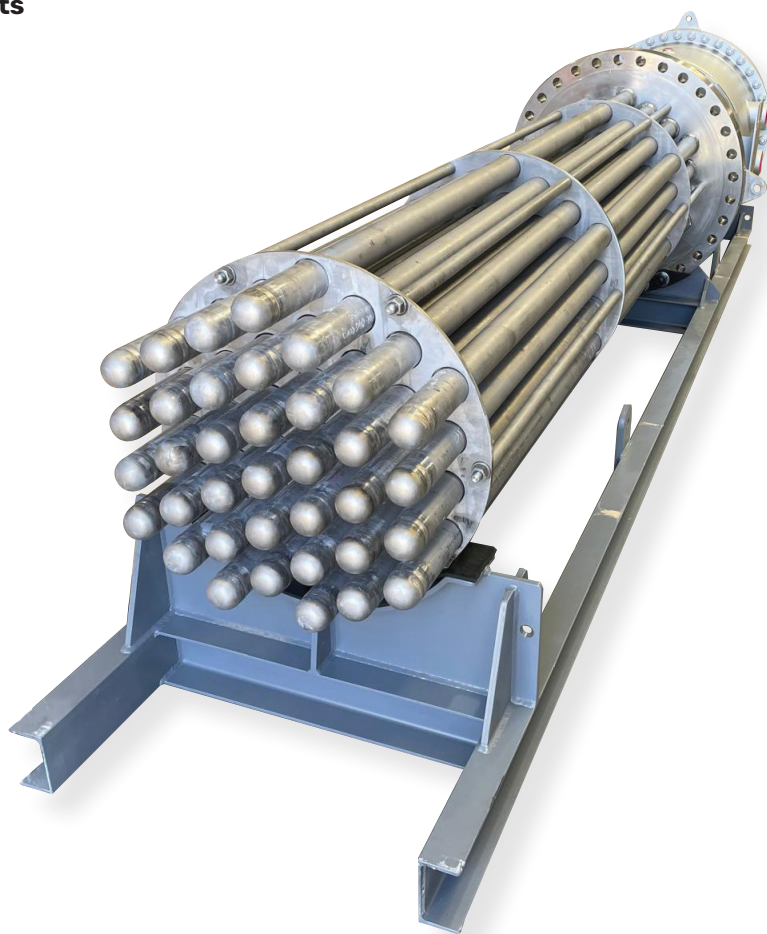
- Off the shelf products
- Engineering design
- Manufacture
- Maintenance and service

The range of products include:

- Oil Coolers
- Air Coolers
- Shell and Tube Heat Exchangers
- Industrial Radiators and Fans
- Plate Heat Exchangers
- Cooling Towers
- Exhaust Gas Heat Exchangers

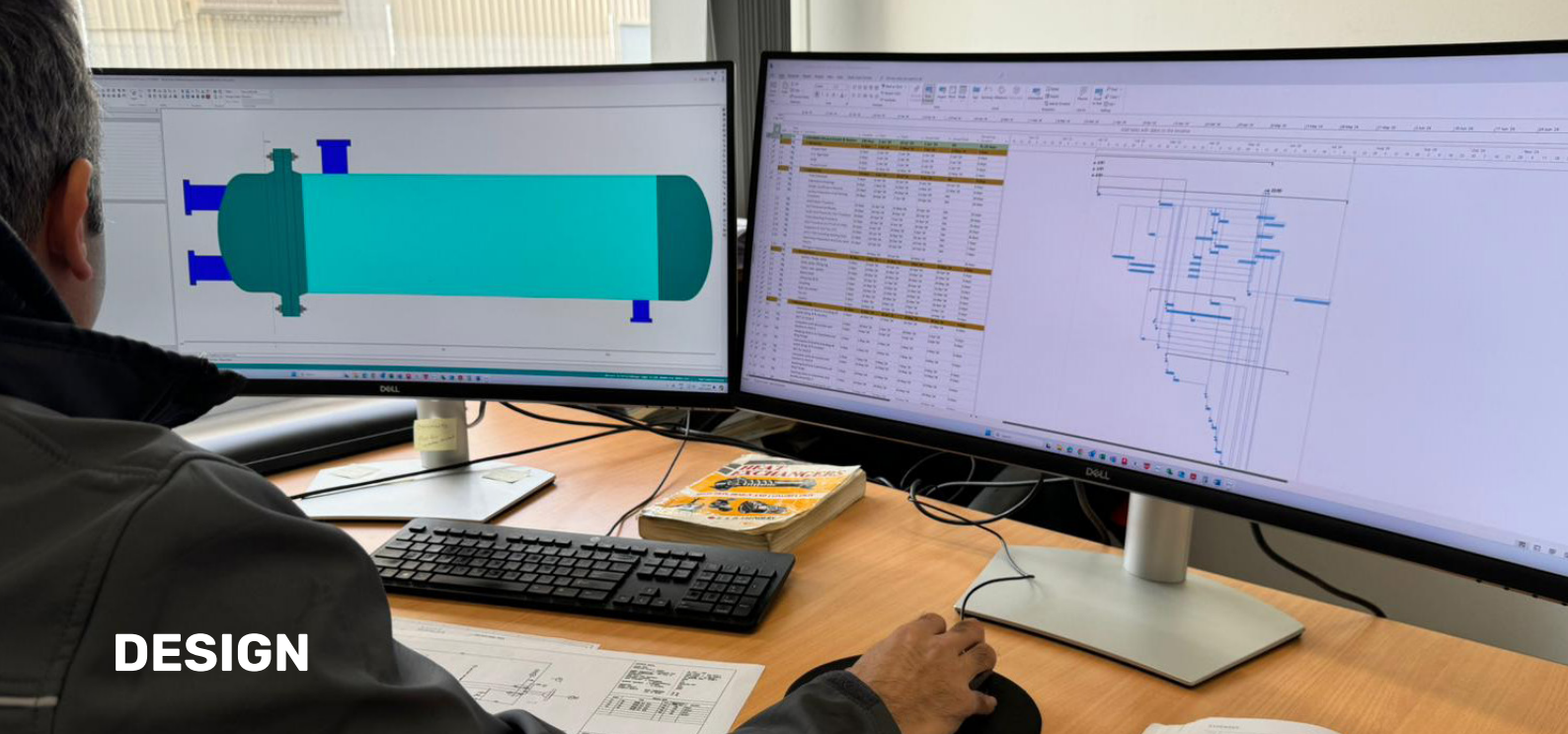
Services include:

- On site work – no transport costs, reduced downtime, no remove or replace costs
- Retube, rebuild and repair existing heat exchangers
- Pressure vessel inspections
- Thermal consultancy and problem solving
- Cooling system analysis and upgrades
- Ultrasonic cleaning



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DESIGN

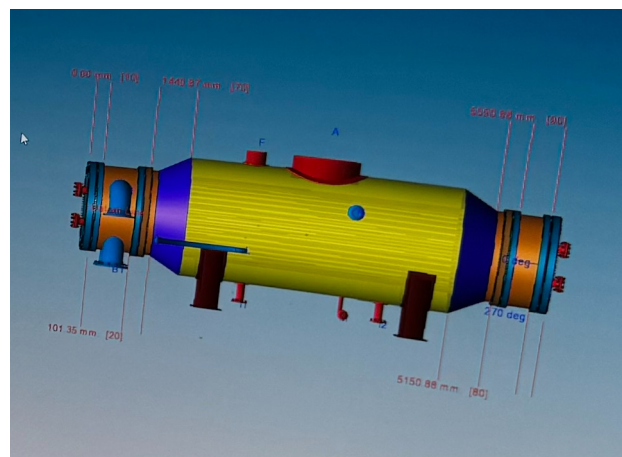
Allied Heat Transfer Design Heat Exchangers and Cooling Systems. Our Solutions are based on having an in depth understanding of your requirements delivering to you the highest quality heat transfer products at the most attractive prices.

We design renewable energy solutions for our clients by recovering their waste heat to produce sustainable, renewable energy.

Our engineering team ensure that all plans comply to relevant standards and regulations. We are your partner from start to finish ensuring all aspects of your project are complete.

Allied Heat Transfer's design capability includes Thermal Calculations, Mechanical Calculations and Hydraulic Calculations. Applicable codes and standards include AS1200, AS1210, AS1170, AS1554, AS1665, AS3992, AS4037, AS4458, ASME Section VIII, Div 1, ASME Section VIII, Div2, NBIC, API 660, API 661, API662, TEMA.

Our company utilises the latest engineering software, such as HTRI's Xchanger Suite, PV Elite, and FEA modelling. All exchangers are modelled using Solidworks so we can provide you with PDF drawings, 2D drawings or 3D models to allow you to design your system to suit.



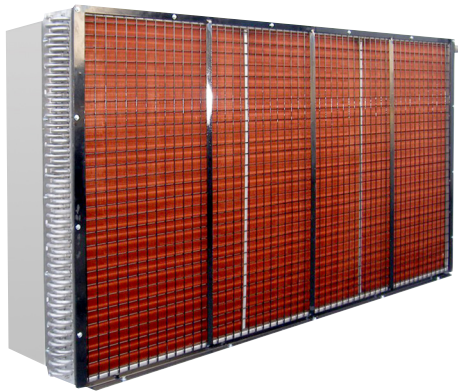
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MANUFACTURE & REFURBISHMENT

Shell and Tube Heat Exchangers



Oil Coolers



Air Cooled Fin Fan Heat Exchangers



Allied Heat Transfer are a highly experienced manufacturer of custom built heat exchangers and pre built heat exchangers.

Our manufacturing department has two main practices; the custom build of heat exchangers and cooling systems and the standard line of pre-manufactured products, such as our range of shelf line coolers and heat exchangers.

At Allied Heat Transfer, we generally build the cooling systems that we have designed for our clients.

We also, however, are often called upon by clients to build from an existing drawing or asked to visit the job site and draw up an existing exchanger for fabrication.

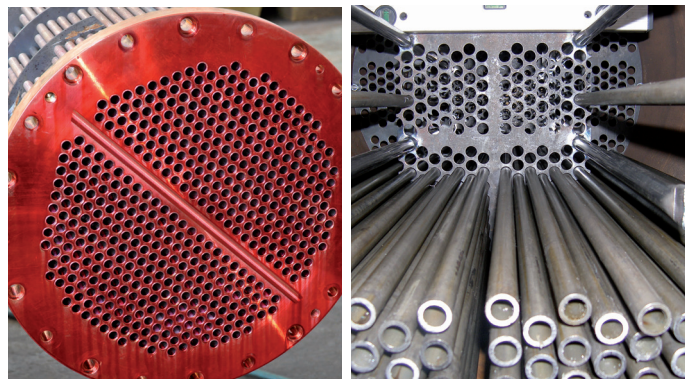
MAINTENANCE

Our skilled technicians ensure all works are carried out as per ISO9001 guidelines.

We ensure your machinery is serviced to improve efficiency and safety.

Dedicated Service Workshops

We clean, repair, re-build, refurbish, re-tube, modify and replace Heat Transfer Equipment. The aim of our service workshops is to prolong the service life of the heat exchangers sent to us by our customers and, because of the experience in our workshop, we are normally very successful



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ADVANCED PLATE HEAT EXCHANGERS

Compact & Efficient:

Space-saving design with advanced plate patterns for optimal heat transfer between liquids or gases.

Versatile Applications: Perfect for HVAC systems, marine operations, food processing, and chemical industries. Excels in heating, cooling, heat recovery, condensation, and evaporation.

Optimized Performance:

Corrugated, herringbone-patterned plates for effective heat transfer, minimal fouling, and long-lasting performance with reduced energy loss and maintenance.

Technical Excellence:

Connection options from DN25 to DN400, with materials including AISI 304/316, titanium, and SMO, meeting industry standards.



Comprehensive Services

Allied Heat Transfer provides comprehensive heat exchanger maintenance and repair services across Australia.

Our experienced workshop staff are qualified to service and repair any make and model of plate heat exchanger, including but not limited to: Alfa Laval, APV, Funke, GEA, Heat Exchangers International, Sondex, Swep, Thermowave, Tranter, and Vicarb.

We offer specialized support in Perth and Brisbane, catering to industries such as mining, oil & gas, chemical, HVAC, and marine.

Our services include:

- Chemical Cleaning
- UV Crack Testing
- Refurbishment.

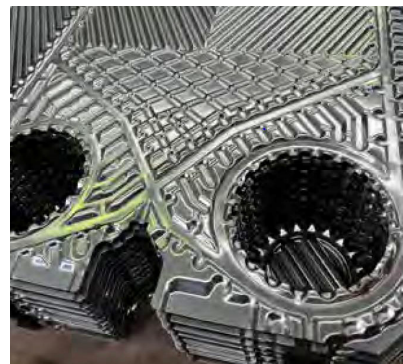
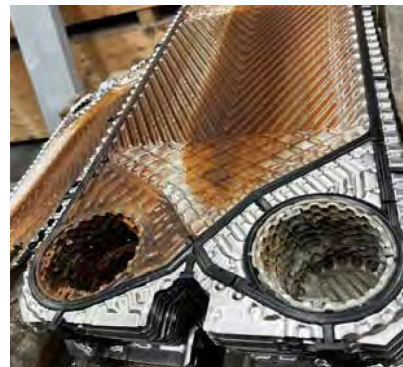
In addition to our maintenance and repair services, we also supply both OEM and after-market spares, which have been independently tested and are fully compatible with the original manufacturer's equipment.

In partnership with SonFlow, Allied Heat Transfer delivers innovative plate heat exchangers that enhance sustainability and energy efficiency.

Extensive Product Range

Explore our wide selection of heat transfer equipment, including heat exchangers, condensers, and more.

Partner with us and SonFlow for sustainable, energy-efficient solutions. Contact us to find the right fit for your industry.



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STOCKED EQUIPMENT AND DISTRIBUTOR

1. Bowman Shell and Tube Heat Exchangers.

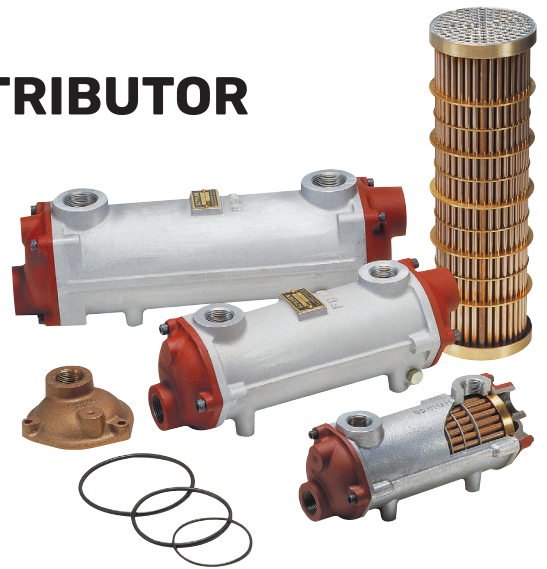
Our range includes:

DC and EC to PK range of Shell and Tube Oil Coolers

Stainless Steel Shell and Tube Heat Exchangers

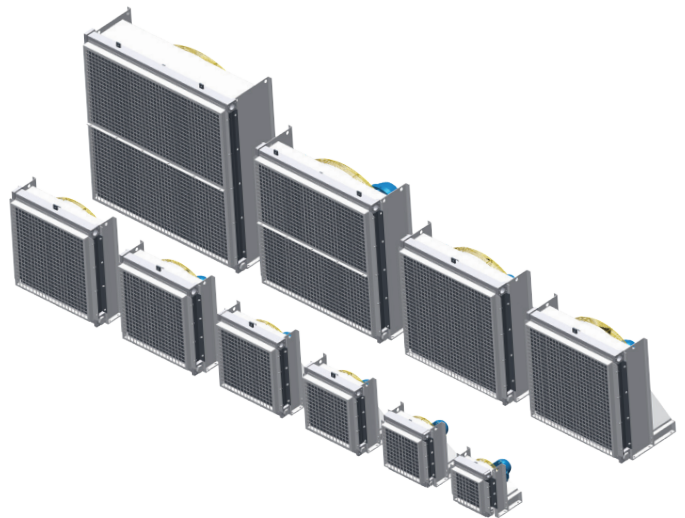
Marine Cooling Systems

Header Tank Heat Exchangers



2. Air Cooled Oil Coolers – ACX

High quality, heavy duty aluminium construction
High pressure, high thermal efficiency, low noise,
available with either 1 or 3 phase AC, hydraulic or
12-24v DC fans.



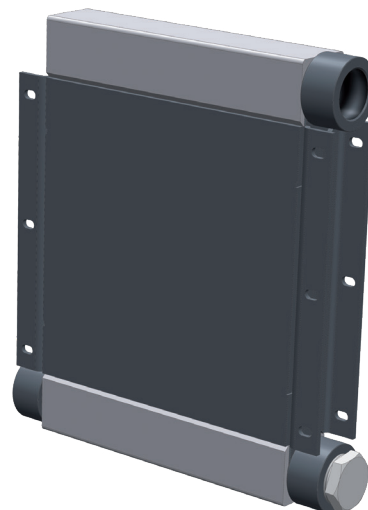
3. Oil Coolers

High pressure

Heavy duty copper tubes

High efficiency aluminium fins

In-tube oil turbulators.



**We design and manufacture products to meet your needs.
If you can't find what you're looking for, please contact us.**



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MOBILE PLANT AND MACHINERY



Coolers and cooling systems for Mobile Plant and Machinery **Hydraulic Oil Coolers • Compressor Coolers • Radiators Fans** **Shrouds/Steelwork • Fuel and Transmission Coolers**

Enhanced Performance

In-house testing for longer service life.

Quick Access to Parts

Available locally across Australia.

24/7 Support

Here for all your after-sales needs.

Long-Term Partnership

Support throughout your machine's life.

Cooling Equipment Service

On-site and off-site servicing.

Exhaust Gas Heat Exchangers

Designed to recover waste heat and reduce emissions for improved efficiency.



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CUSTOMERS



TESTIMONIALS



Ronan, Stuart and the Allied Heat Transfer team worked tirelessly to achieve the challenging turnaround required for retube of a pair of large air-to-air coolers for a 2.34 MW water pump motor. They provided exceptional service, were forthcoming with information, and were flexible to meet our requirements. They worked through a number of issues and repairs along the way without compromising a quality outcome. This has enabled us to reinstall this motor in the time frame required, helping us avoid significant downtime costs. Many thanks to the Allied Heat Transfer team, looking forward to working with you again.

Tim Stuart | Electrical Plant Engineer



Allied provide a reliable and high quality service. Full turnkey project solutions from an engineering designs, fabrication and quality assurance perspective. Having used their services since 2018 for fin fan cooler overhauled and compressor skid fabrication works I can attest to the high quality of work and services provided. They also communicate well and give constant updates throughout the project.

Ben Price | Project Lead - Sustaining Capital



If these exchangers were to fail there could be serious consequences. Synergy needed a heat exchanger manufacturer that we had confidence in, that could build exchangers that would give high reliability and longevity. Allied Heat were able to produce exchangers in time to meet our tight shut down requirements and these exchangers have been trouble free for several years now.

Robert Flay | Supervisor - Synergy

Perth

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Brisbane

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