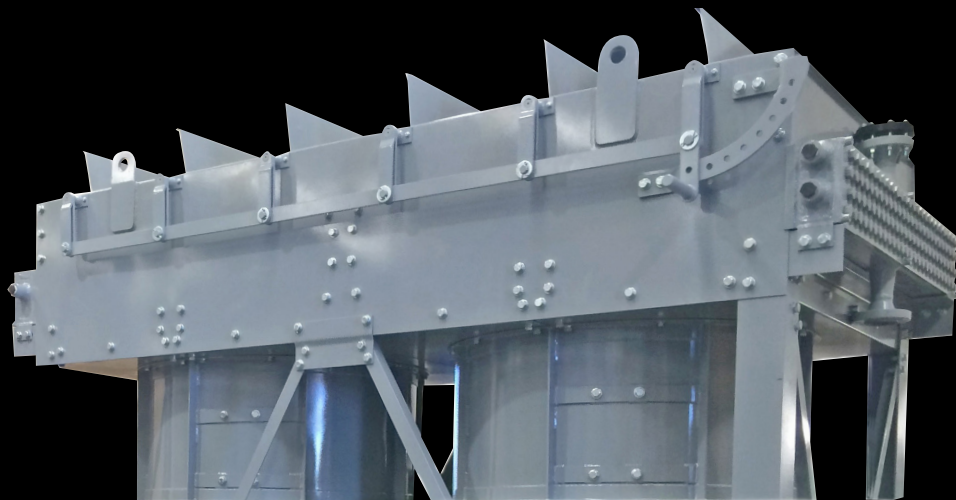


# *ALLIED HEAT TRANSFER*



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

## **AUSTRALIAN OFFICES**

WA +61 8 9455 5933 QLD +61 7 3375 1544  
[info@alliedheattransfer.com.au](mailto:info@alliedheattransfer.com.au)  
[www.alliedheattransfer.com.au](http://www.alliedheattransfer.com.au)

## **PHILIPPINES OFFICE**

+63 2 800 5040  
[www.alliedheattransfer.com.ph](http://www.alliedheattransfer.com.ph)  
[info@alliedheattransfer.com.ph](mailto:info@alliedheattransfer.com.ph)

## **VIETNAM OFFICE**

+84 9072 15100  
[www.alliedheattransfer.com.vn](http://www.alliedheattransfer.com.vn)  
[info@alliedheattransfer.com.vn](mailto:info@alliedheattransfer.com.vn)



# ALLIED HEAT TRANSFER



## 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

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

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# ALLIED HEAT TRANSFER

## OUR 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 worked through the night to get this done for us.

**Charl Lourens | Senior Project Engineer**



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**

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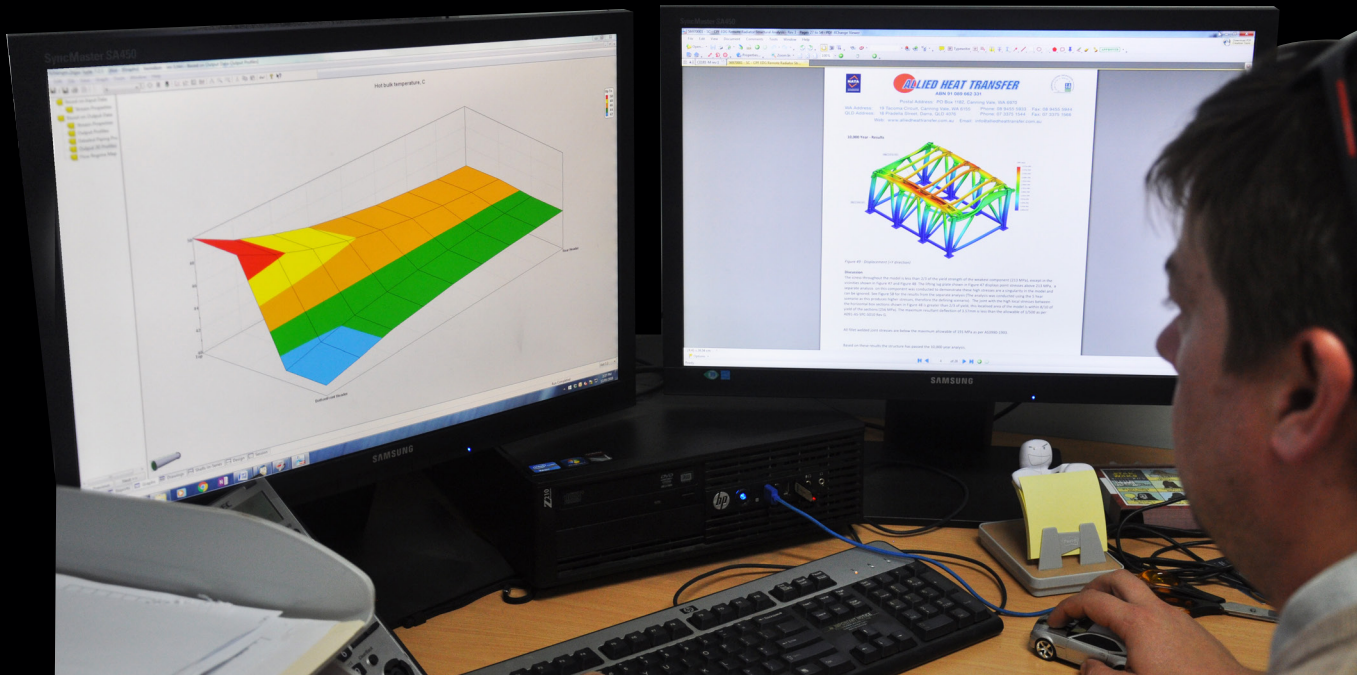
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## DESIGN

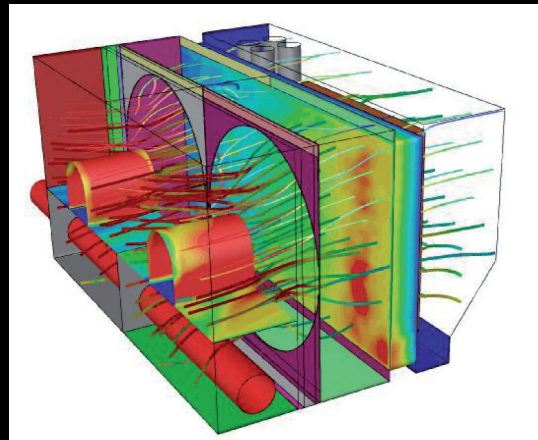


Allied Heat Transfer Design Heat Exchangers and Cooling Systems. Our Solutions are based on having an in depth understanding of your requirements delivering to you the highest quality heat transfer products at the most attractive prices.

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 Air Flow 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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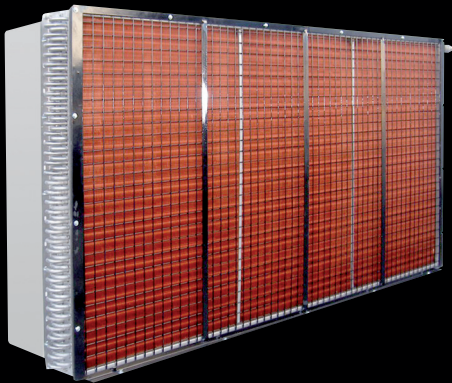


## MANUFACTURE

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.

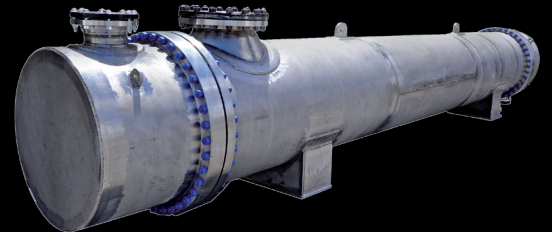
### Oil Coolers



### Air Cooled Heat Exchangers



### Shell and Tube Heat Exchangers



### Industrial Radiators and Fans



### Cooling Towers



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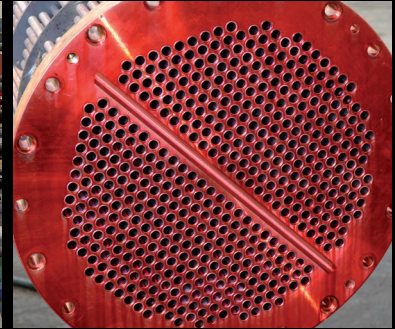
## MAINTENANCE

### Onsite repairs:

**On site project work means no transport costs, no remove or replace costs and reduced down time.**

The purpose of having on site project work is to repair, rebuild, re-tube and/or replace at your site to international standards.

All work carried out at your site is in accordance with written work instructions as per ISO 9001 and testing is in accordance with the International Standard. NATA test certificates are issued when requested. All work comes with a failure analysis and performance report.



### Dedicated service workshops:

We clean, repair, re-build, refurbish, retube, 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.



### Ultrasonic cleaning:

The combination of chemical, heat, agitation and ultrasonic power in the right combination was very successful in removing industrial scale, calcium build up, varnishes, corrosion and other build up on tubes, in crevices, blind bolt holes and other cavities.



### Pressure vessel inspections:

Our AICIP accredited Inspectors are highly experienced pressure vessel designers and fabricators. As a trusted manufacturer we understand all aspects of Pressure Vessel Codes & Standards as well as all manufacturing & welding techniques and the material selection processes that go into building a pressure vessel best suited to your application and your operating environment.

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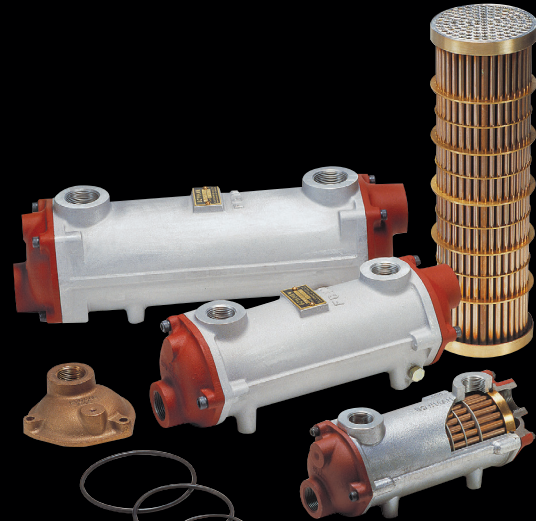


## STOCKED PRODUCTS

### 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

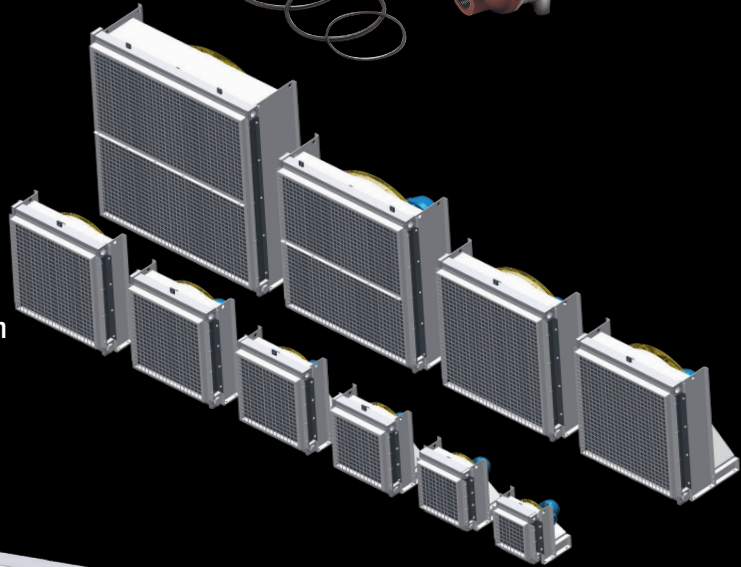


### 2. Air Cooled Oil Coolers – ACX

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.

### Air Cooled Oil Coolers – OCB

Economy Coolers with 12 or 24v fans  
Light weight aluminium coolers for hydraulics with  
150psi pressure rating.



### 3. Oil Coolers

High pressure  
Heavy duty cooper tubes  
High efficiency aluminium fins  
In-tube oil turbulators



*We design and manufacture, so if you can not find what you need, please contact us.*

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NO JOB IS TOO BIG OR SMALL



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