

Cold Logic Pty Ltd

Capabilities

- Industrial refrigeration design
- Breakdown servicing and maintenance
- HVAC and heat removal systems
- NH₃, CO₂ and HFC system expertise
- Design, manufacture, install and operation
- Project management and commissioning
- Heat load calculations and assessment
- System replacement and retrofit consultancy

Key Customers & Projects

- ASC
 - Collins Class refrigeration equipment upgrade
- Taylor Brothers
 - RAN ship galley refrigeration upgrade
- Boeing Aerostructures Australia
 - Production cooling equipment maintenance
- Coopers Brewery
 - Refrigeration maintenance provider
- Thomas Foods International
 - Key refrigeration service and capital works provider

Expertise & Advantage

- Custom refrigeration solutions and packages
- Complete life-cycle expertise in-house
- 24/7 national breakdown and service response
- Controlled environment solutions
- Remote and rural client support
- Energy efficiency optimisation
- Australian supply chain partners

Accreditation & Memberships



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Cold Logic is a specialist industrial refrigeration supplier and service agent founded in South Australia in 1984. From conception to design, manufacturing, installation, commissioning and routine maintenance, Cold Logic has been responsible of each of those steps for a vast array of clients from different industry sectors. Systems are mostly one-off custom design for individual clients and manufactured to order. Components are COTS items that are integrated at our facilities prior to site install. In the financial year 2017/18, Cold Logic achieved an annual turn-over above \$21 million and currently has 65 employees with offices in Port Adelaide, SA and Tullamarine, VIC.

System capacities vary depending on each project; from small bespoke systems as part of the Collins Class sustainment project with ASC to over 3500 kW for clients such as Coopers Brewery. Energy efficiency and system reliability are key deliverables for all our clients. Our refrigeration and heat-removal systems are frequently responsible for over 60% of the energy consumption on a client's site, with millions of dollars worth of stock at risk in case of equipment breakdown.

Through the use of industry-leading design content, active research and development plus continuous training of our staff, we are able to supply and operate systems that have multi-decade lifespans and proven to be exceptional value for money. Our track record and a number of clients that have relied on us for over 30 years speaks for itself.

Cold Logic operates nationwide in urban, rural and remote areas. Installs are carried out under Cold Logic's leadership along with specialist subcontractors supporting our operations. Our in-house service team operates on a 24/7, 365 days-a-year basis to support our clients.

We are the national service contractors for refrigeration for clients such as Arnotts, Daiwa Foods and Australian Pharmaceuticals Industries (API).

Clients such as API and International Arts Services (specialised arts storage and logistics company) have very stringent requirements for space conditioning and humidification to comply with 3rd party and government regulations and standards. Through the design and implementation of standardised preventative maintenance regimes we can further reduce the risk of any failure or down time.

Additionally, Cold Logic has a Parts & Hire division that not only stocks critical spares for the industry but also short and long term hire of refrigeration and chiller systems.

Snap Shot of Cold Logic Client List and Capability :

Defence and Aerospace



Location :
SA & WA

Cold Logic has supported ASC to address issues of end-of-life obsolescence for components in the commissary refrigeration and freezer systems in the current Collis Class sustainment and life extension program. This challenge, plus changed capacity requirements by the RAN were successfully addressed during a redesign and re-specification of major components. Cold Logic also supported ASC during qualification trials and the first-of-class install. The overall project has been deemed a success increasing the overall system efficiency with the system modifications to be deployed across the entire fleet of submarines over the next years. Currently Cold Logic is in discussions with ASC to address additional areas of improvement that were not part of the original scope of works, but were highlighted by Cold Logic during the initial design and install process.



Aerostructures
Australia

Location:
VIC

Cold Logic has been the refrigeration service provider at Boeing's facility in Port Melbourne for over 10 years. Cold Logic maintains and services the fridges and freezers that are mission critical to the composite manufacturing processes that Boeing undertakes as part of their aero structure business. The refrigeration systems are used to regulate and maintain the temperature of the raw and semi-finished materials to achieve correct mechanical performance of the finished product.



Aerostructures
Australia
(continued)

Therefore, the performance and uptime of the refrigeration systems form a critical part of the QA evidence chain and directly contribute to the airworthiness of aircrafts manufactured by Boeing. Cold Logic also maintains and services the fluid chillers that are used to regulate the cooling fluids within the manufacturing processes. The correct temperature of the cooling fluid is vital in achieving consistent quality in manufactured components and to reduce tool wear. This in turn maintains the manufacturing costs at appropriate levels.

Contracting



Location :
SA

Coopers Brewery is Cold Logics' longest standing client with approximately 30 years of service work undertaken. Coopers relocated in 2000 with Cold Logic providing all the new refrigeration equipment. Based on the reliability of the original system, Cold Logic was responsible for the design, manufacture, commissioning and service of the new refrigeration system that forms part of Cooper's new, state-of-the-art 54,000 tons per annum maltings facility. Specific care was taken to ensure system redundancy, power efficiency and rapid system response times ramping capacities up and down for varying load requirements.



Location :
SA, QLD& NSW

Cold Logic is the refrigeration maintenance and capital works provider for South Australia's largest locally-owned & operated abattoir and meat processing facilities with over 30 years continuing track-record. Recent capital works projects saw the design and install of the air tempering system that is part of the new 180 people beef boning room as well as an upgrade to the refrigeration plant capacity with compressors packages, pressure vessels and control systems amongst other items. Total capital works to date exceed the sum of \$15m.



Location:
VIC

The Lamattina family owns and operates the largest carrot processing and juicing facility in Victoria. Cold Logic designed, manufactured installed and services the refrigeration system for their carrot juicing plant opened in 2014. As part of the ongoing expansion of the companies, Cold Logic was contracted to develop and deploy the upgrades for the refrigeration system to the company's main facility near Mildura in 2017. Key challenges for both project was the remoteness of both facilities, but both managerial oversight as well as distance to even the simplest suppliers. Total capital works to date exceed \$5m.



Location:
National

IAS is a specialist provider of arts logistics and arts storage in Australia with international subsidiaries. IAS operates facilities that are compliant with internationally recognised museum storage standards and offer climate controlled storage options for art and high-end fashion clothing. Cold Logic has supplied a number space conditioning system for new storage rooms to comply with those standards. Special care was taken to ensure that the system was appropriately sized to avoid short cycling of the HVAC equipment, while maintaining the rooms within the required boundaries for temperature and humidity throughout the year.

Servicing



Location:
National

Cold Logic is the national maintenance and service contractor for Australian Pharmaceutical Industries' cool rooms at their different facilities throughout Australia. API has rigorous room cooling requirements to comply with Australian regulators. Since becoming the national contractor, Cold Logic has implemented new refrigeration monitoring systems and better preventative maintenance. This has significantly reduced quality events and led to a significant reduction in stock loss from temperature control issues across all facilities.



Location :
National

Cold Logic is the national service provider for all of Arnott's refrigeration equipment. This is a direct result out of an expansion of services rendered at Arnott's Adelaide facility replacing the incumbent that had been on site for over twenty years. Cold Logic's risk minimisation strategies and available service personnel has significantly reduced stock losses and system down time since 2013. Cold Logic holds the group-wide service contract and maintains Arnott's national refrigeration equipment in in QLD, NSW & SA.



Location:
SA

Peter Lehman Wines is Cold Logic's longest client with over 30 years of service. Cold Logic has designed and installed all of Peter Lehman's current refrigeration equipment at their Barossa winery. Cold Logic's intimate knowledge of the facility, the wine industry and routine servicing, which additional ad-hoc capacity prior to and during vintage has ensured that Peter Lehman Wines had completed successful harvests year upon year.



Location:
SA

Cold Logic is the service provider for PRWM's Barossa facilities and again has been for over 30 years. Work includes routine servicing, pre-vintage preventative maintenance and breakdown attendance. Cold Logic has also designed and delivered the majority of the current refrigeration equipment and installs at PRWM's sites.



Location:
National

Daiwa Foods is an importer of fresh and frozen foods from Japan supplying to the hospitality industry in Australia. To ensure that food security is maintained at all times, continuous operation of each site's refrigeration plant has to be ensured. Cold Logic is the service provider for Daiwa Food's facilities across Australia, and has also delivered three new expanded facilities in 2016, with an additional facility currently in the planning stages.



Location:
SA

Mayne Pharma is one of Cold Logics newest service clients. The service contract was sealed on the back of some outstanding contracting work undertaken over the previous two years, proving to the client that Cold Logic presented a better value for money and lower risk option when compared with the incumbent provider.

Three Decades of Refrigeration.



OTHER CLIENTS



OUR SUPPLY CHAIN PARTNERS



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