

PORTFOLIO

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HVAC INDUSTRIES
FOR A SUSTAINABLE TOMORROW

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INDEX



Welcome To Our Portfolio **4**

Our Story **6**

Our Purpose **7**

Services **8**

Industries We Serve **9**

Clients **10**

Projects List

UNSW Sydney Campus	14	Nikan Restaurant	32
ST Columbas Catholic College	18	Moss Vale Data Campus	36
ALDI Headquarters	22	Uniting Aged Care	40
Salt Apartments	25	Storage King	44

WELCOME TO OUR PORTFOLIO

Our Mission

To deliver innovative, energy-efficient HVAC solutions that enhance comfort, safety, and sustainability for commercial and residential spaces. We strive to exceed client expectations through precision engineering, exceptional service, and a commitment to quality at every stage.

Our Vision

To be the leading HVAC solutions provider in Australia, recognised for setting industry benchmarks in eco-efficiency, design excellence, and customer satisfaction. Our goal is to create environments that seamlessly integrate functionality, aesthetics, and sustainability.

Our Pledge

We pledge to uphold the highest standards of safety, integrity, and performance in every project. Our team is dedicated to transparent communication, continuous innovation, and delivering tailored solutions that prioritise client needs and environmental responsibility.



Enhance your commercial space with HVAC Industries. Explore customised, energy-efficient solutions designed to meet your unique requirements.

HVAC Industries Pty Ltd sets the benchmark in the HVAC sector with tailored, energy-efficient solutions for commercial and residential spaces. Based in Sydney, our foundation is built on over a decade of industry experience.

Capable of undertaking Tier-1 and Tier-2 projects, we bring unparalleled attention to detail and a steadfast commitment to quality. Our team, combining both engineering and architectural expertise, adeptly bridges the gap between design aesthetics and engineering functionality. We advance industry standards with excellent quality service, precise engineering, focusing on eco-efficiency and sustainability.

OUR STORY

Built from Experience. Driven by Passion. Defined by Quality.

HVAC Industries was not built overnight. It was built through years of hands-on experience, long hours on site, learning the trade from the ground up, and developing a genuine passion for the industry.

Before establishing HVAC Industries in 2023, our leadership team spent more than 15 years working within one of the industry's leading mechanical contractors, delivering projects across a wide range of sectors with annual turnover exceeding \$150 million. The journey started from the warehouse floor, learning every stage of the industry firsthand, and progressed through the ranks to senior leadership and construction management.

Those years provided far more than technical experience. They shaped our understanding of what truly defines a successful contractor: accountability, quality workmanship, strong relationships, and pride in the final outcome.

Over time, a shared vision began to form. A vision to build a company that would not simply complete projects, but genuinely raise the standard of delivery within the mechanical services industry.

In 2023, that vision became reality.

HVAC Industries was founded by a team of experienced professionals who had worked together for many years across multiple sectors and complex projects. Many of the people who joined the journey were long-term colleagues, trusted subcontractors, and industry professionals who shared the same mindset, values, and commitment to excellence.

We came together with one goal:

To deliver mechanical services with a level of care, professionalism, and workmanship that sets a new benchmark for the industry.

Since our establishment, HVAC Industries has continued to grow through repeat clients, strong relationships, and the trust we have built across every project we deliver.

Our success has been driven not only by technical capability, but by the culture behind the business.



OUR PURPOSE

Leveraging our extensive experience in industries across the commercial and residential sectors, we blend engineering precision with insightful knowledge to deliver exceptional quality.

Our expertise enables us to design systems that seamlessly align with project visions, prioritising functionality, safety and quality. From the ground up, our approach ensures solutions not only elevate environmental comforts, also enhancing system design and performance to meet client needs.

Safety

Prioritising the well-being of both clients and staff through rigorous safety protocols and training.

Efficiency

Maximising energy efficiency to reduce costs and environmental impact, without compromising performance.

Culture

Innovating with creative designs and solutions to tackle any complex challenges seamlessly.

Ingenuity

Innovating with creative designs and solutions to tackle any complex challenges seamlessly.

Quality

Commitment to excellence in every project, ensuring durability and reliability of HVAC systems.

Client Satisfaction

Committed to surpassing client needs through customised, agile responses and unmatched support.

SERVICES

HVAC Industries excels in procurement, project planning and risk management, ensuring a smooth progression from design to handover. We meticulously program and manage risks, utilising step-by-step checkpoints and quality assurance allowing our team to identify and overcome any potential issues. Committed to innovation, sustainability and client satisfaction, we oversee every aspect from consultation to customised design, through to installation and ongoing maintenance. Direct partnerships with OEMs enhance our capabilities, solidifying our position as a premier contractor dedicated to client contentment.



Commerical And Residential Projects

Our engineering department excels in delivering customised HVAC solutions for both commercial and residential projects. For commercial projects, we recognise the importance of creating temperature controlled and productive environments while also optimising energy usage to reduce operational costs. Our team works closely with clients to design and implement HVAC systems that meet the demands of various commercial spaces. Whether it's ensuring proper ventilation for indoor air quality or implementing advanced control systems for temperature regulation, we prioritise efficiency and effectiveness in every aspect.

Fitouts

Our expert team specialises in commercial HVAC fitouts, prioritising new and existing structures. Collaboratively, our commissioning engineers and on-site staff adhere to client specs and regulations, ensuring cost-efficient and energy-efficient designs without compromising quality or compliance with Australian standards and BCA regulations.



Industries We Serve

- Government
- Education
- Healthcare
- Commerical
- Industrial and Manufacturing
- Technology and Data Centres
- Hospitality
- Residential

OUR CLIENTS

We are proud to work alongside a diverse range of valued clients across commercial, retail, hospitality, healthcare, education, and industrial sectors throughout Australia.

KUATRO
EveryTrade.

CREDENCE
CONSTRUCTIONS

FAL
CONSTRUCTION



 **INNOVATIVE**
BUILDERS

 **nascon**
DELIVERING QUALITY DEVELOPMENT



UNSW

 **MONO**

ORWELL
constructions

 **MAINYARD**

 **VIACON**

We sincerely thank our clients for their continued trust, support, and the opportunity to deliver high-quality mechanical services solutions. These partnerships are built on reliability, collaboration, and a shared commitment to delivering projects the right way, every time.

PARLIAMENT HOUSE VIC



Legislative Council Table Offices – Mechanical & BMS Upgrade

Status: Completed – May 2024

HVAC Industries was engaged to deliver the mechanical services and building management system upgrade for the Legislative Council Table Offices within Parliament House Victoria. The project required a contractor capable of delivering high-precision mechanical works within a sensitive government environment, while maintaining exceptional documentation standards and coordination with existing building infrastructure.

HVAC Industries was selected based on our extensive experience in complex commercial mechanical services projects and our industry-leading level of technical documentation, which often exceeds the standards typically produced by Tier 1 and Tier 2 mechanical contractors.

At HVAC Industries, we pride ourselves on delivering not only high-quality installations, but also comprehensive, accurate, and client-aligned documentation. Our engineering and administration teams carefully adapt our documentation structure to match each client's internal systems, including document numbering, filing protocols, and compliance requirements—a critical factor when working within environments such as Parliament House Victoria.

“By far, this is the best documentation package we have received from a subcontractor. Everything matched the project requirements perfectly and made the review process straightforward and efficient.”

Project Scope

HVAC Industries delivered a complete mechanical and control system upgrade including:

- Installation of new Daikin VRF air conditioning systems across two levels of the Legislative Council offices
- Integration of the VRF system with the existing centralised control system
- Installation of under-desk heating panels to improve occupant comfort within workspace areas
- Design and installation of a dedicated ventilation system for heat extraction in the printer room
- Temperature-controlled ventilation system using automated sensors
- Full integration of mechanical systems into the Building Management System (BMS)
- Commissioning and optimisation of BMS controls and monitoring systems
- Updated BMS graphics and system interface for facility management
- Final testing, balancing, and commissioning to ensure full compliance with project design intent

Project Outcome

The completed upgrade delivered a fully integrated mechanical and control solution that improved occupant comfort, system reliability, and operational monitoring. The project demonstrates HVAC Industries' capability to successfully deliver technically complex mechanical upgrades within high-profile government facilities, while maintaining exceptional engineering standards, documentation accuracy, and commissioning quality.

UNSW Sydney Campus



Multi-Tenancy Commercial Kitchen Ventilation Upgrade

Status: Completed – January 2026

HVAC Industries was engaged by FAL Construction Group Pty Ltd to deliver a Design and Construct mechanical services upgrade for the commercial kitchen exhaust systems servicing multiple food tenancies at the University of New South Wales (UNSW) campus food precinct.

The project involved upgrading the kitchen exhaust and ventilation systems servicing several high-traffic food outlets within the precinct, including:

- Yalla Eat
- IGA
- Guzman y Gomez (GYG)
- Max Brenner

The works were required to improve the performance, reliability, and compliance of the commercial kitchen ventilation systems while ensuring the ongoing operation of the surrounding campus facilities.

Due to operational constraints within the food precinct, the tenancies were only able to close for construction works during a two-day shutdown period on the 25th and 26th of December. This created a highly compressed installation window requiring extensive planning, coordination, and pre-installation preparation.

To meet the strict timeline and UNSW operational requirements, HVAC Industries implemented a detailed off-site preparation strategy, ensuring all systems and components were procured, manufactured, assembled, and tested prior to the shutdown period.

This approach ensured that the entire installation, commissioning, and handover process could be completed within the limited shutdown window while maintaining full compliance with UNSW safety standards and mechanical design requirements.

Project Scope

The scope of works included the design, supply, installation, and commissioning of upgraded commercial kitchen exhaust and ventilation systems servicing the multiple food tenancies.

Kitchen Exhaust & Ventilation Systems

Key mechanical works included:

- Upgrade of the commercial kitchen exhaust systems servicing multiple food tenancies
- Design and installation of new exhaust ductwork systems suitable for commercial kitchen grease extraction
- Installation of high-capacity exhaust fans designed to support increased kitchen heat and cooking loads
 - Installation and modification of kitchen exhaust plenums and hood connections
- Installation of grease-rated exhaust ductwork systems in accordance with relevant fire and ventilation standards
- Integration of ventilation systems to ensure balanced airflow and effective heat extraction across all kitchen areas

The upgraded systems were designed to maintain proper airflow and extraction performance to ensure safe and efficient operation of the commercial kitchens.

Fast-Track Delivery & Off-Site Preparation

Due to the strict two-day construction window, HVAC Industries completed extensive off-site preparation works prior to the installation period, including:

- Procurement and fabrication of all required mechanical equipment and ductwork components
- Pre-assembly of ventilation components where possible
- Off-site testing and verification of equipment prior to delivery
- Detailed construction planning and coordination with UNSW facility management and the builder

This approach ensured that all installation works could proceed immediately upon site shutdown, allowing the project to progress efficiently without delays.

Commissioning & Compliance

All works were installed, commissioned, and tested in accordance with UNSW mechanical standards, National Construction Code (NCC) requirements, and relevant Australian Standards.

Commissioning works included:

- Testing and verification of exhaust airflow performance
- System balancing and operational verification
 - Functional testing of ventilation systems
- Preparation and delivery of O&M manuals and as-built documentation
- Final inspection and handover to the client

Project Outcome

HVAC Industries successfully delivered the entire scope of works within the two-day shutdown window, achieving full system installation, commissioning, testing, and handover without any operational issues.

The project highlights HVAC Industries' ability to deliver complex mechanical upgrades within highly constrained timeframes, particularly in environments where operational shutdown periods are extremely limited.

Through detailed planning, off-site preparation, and precise on-site execution, HVAC Industries delivered the project with exceptional efficiency and compliance with all UNSW safety and documentation requirements, ensuring the continued operation of the food precinct immediately after reopening.

Multitenancy Experience

One of the standout challenges during our kitchen exhaust upgrade works at UNSW Sydney was delivering critical infrastructure upgrades within a live, multi-tenancy commercial environment without disrupting daily operations.

The existing kitchen exhaust system was a complex base-building system servicing multiple commercial food operators, including major tenants such as IGA and Max Brenner, along with several additional food retailers operating simultaneously within the precinct.

Beyond meeting all applicable Australian Standards and NCC/BCA compliance requirements, the project also required strict adherence to UNSW's internal operational procedures, access protocols, shutdown approvals, and stakeholder coordination processes.

HVAC Industries worked closely with all tenants, facility management teams, and stakeholders to carefully plan shutdown periods, staging sequences, commissioning activities, and after-hours works. Detailed coordination was essential to ensure each tenancy maintained appropriate exhaust performance and operational continuity throughout the upgrade process.

A key component of the project was balancing and commissioning the shared exhaust system to ensure every tenancy received the correct airflow quantities and ventilation performance required for their individual operations. This required a high level of technical coordination, communication, and planning across multiple live businesses operating under different trading requirements and time constraints.

ST COLUMBAS CATHOLIC COLLEGE



Mechanical Services Installation – New Building

Status: Completed – January 2026

HVAC Industries was engaged by FAL Construction Group Pty Ltd to deliver the mechanical services installation package for the new building works at St Columba's Catholic College in Springwood, NSW. The project formed part of the college's broader campus development, aimed at providing modern teaching environments with improved environmental comfort, ventilation, and energy-efficient air-conditioning systems suitable for contemporary educational facilities.

The project required a mechanical contractor capable of delivering high-quality installation works while coordinating closely with architectural and building trades, particularly due to the complex ceiling design and detailed architectural finishes incorporated into the building.

HVAC Industries was responsible for the construct-only installation of the mechanical services design, ensuring all systems were installed strictly in accordance with the consultant's documentation, project specifications, and relevant Australian Standards.



Education & Institutional Projects Experience

HVAC Industries has developed strong experience delivering mechanical services installations and system upgrades within education and institutional facilities, where reliability, indoor air quality, safety, and operational continuity are critical.

Educational and institutional environments require mechanical contractors who understand the importance of occupant comfort, ventilation performance, system reliability, and strict compliance with the National Construction Code (NCC) and Australian Standards. HVAC Industries approaches these projects with a strong focus on coordination, quality installation, and comprehensive commissioning, ensuring systems perform reliably for staff, students, and facility operators.

Our team has experience working within active educational and government environments, where careful planning and collaboration with builders, consultants, and other trades is essential to ensure minimal disruption and seamless project delivery.

Project Scope

The mechanical services works included the installation of air conditioning, mechanical ventilation, and specialised air treatment systems throughout the new education facility.

Air Conditioning Systems

- Installation of a heat recovery VRF air conditioning system servicing classrooms and internal teaching spaces
- Installation of multiple VRF condensers and ducted indoor fan coil units across the building
- Installation of split systems for designated areas requiring independent environmental control
- Installation of ductwork, insulation, grilles, and diffusers in accordance with the mechanical design documentation
- Installation of individual wall-mounted air-conditioning control switches in each classroom, allowing local temperature control for teaching staff

The heat recovery VRF system provides energy-efficient operation with simultaneous heating and cooling capability, improving overall building energy performance and occupant comfort across the facility.

Mechanical Ventilation & Air Quality

To support indoor air quality requirements within the educational environment, HVAC Industries installed a comprehensive ventilation system including:

- Dedicated outside air systems supplying fresh air to occupied spaces
- Exhaust ventilation systems for amenities and service areas
- Under-ceiling filtration units designed to enhance indoor air quality
- Installation of a dust collection and extraction system, including a shaker-type dust collector for workshop environments

These systems were designed to maintain appropriate ventilation rates and filtration performance to support healthy indoor air conditions within teaching and technical learning environments.

Architectural Coordination & Innovation

A key challenge on the project was the Level 1 perforated architectural ceiling, which covered an area of over 3,000 square metres and required careful coordination with mechanical services to maintain the visual integrity of the ceiling design. Through careful planning and innovative coordination with the builder and design team, HVAC Industries successfully developed installation solutions that significantly reduced the number of required ceiling access panels.

- Original design required over 100 access panels
- HVAC Industries' coordination and installation strategy reduced this to approximately 10 access panels

This solution preserved the architectural appearance of the perforated ceiling, while still maintaining necessary service access for maintenance.

Commissioning & Compliance

- Air balancing and system performance testing
- Verification of system operation in accordance with design intent
- Preparation and delivery of Operating & Maintenance manuals
- Provision of as-built drawings and documentation

Final commissioning and handover in accordance with NCC and Australian Standards. The project includes a 12-month defect liability period, ensuring ongoing support and system reliability for the client.

Project Outcome

The upgrade delivered a fully integrated mechanical and BMS solution, improving occupant comfort, system reliability, and operational visibility. The project demonstrates HVAC Industries' capability to successfully deliver technically complex upgrades within high-profile government facilities, while maintaining exceptional documentation, commissioning, and quality standards.

Key Capabilities

HVAC Industries' capabilities across the education and institutional sector include:

- Installation of VRF air conditioning systems and split system solutions for classrooms and teaching spaces
- Installation of fresh air and mechanical ventilation systems designed to support indoor air quality and occupant comfort
- Installation of heat recovery systems and energy-efficient mechanical solutions
- Dust collection and extraction systems for workshop environments including woodworking machinery
- Installation of dust collection systems for laser cutters and CNC equipment
- Fume extraction and filtration systems for specialised teaching environments such as laser cutting and fabrication workshops
- Installation of dedicated workshop ventilation and extraction systems, including duct collectors, filtration units, and shaker-type dust collection systems
- Mechanical system coordination within architecturally detailed buildings
- Integration of systems with centralised control systems and Building Management Systems (BMS)
- Air balancing, performance testing, and system commissioning
- Preparation of O&M manuals, as-built documentation, and compliance certification

Through projects such as St Columba's Catholic College, Springwood, HVAC Industries has demonstrated its ability to successfully deliver complex mechanical installations within architecturally detailed educational environments, including specialised systems such as dust extraction for woodworking areas and fume extraction for laser cutting equipment, while maintaining high standards of workmanship, coordination, and regulatory compliance.

Our experience across institutional projects highlights HVAC Industries' ability to deliver high-performance mechanical systems that support safe, comfortable, and energy-efficient environments for learning and public facilities.

ALDI HEADQUARTERS



Headquarters - Minchinbury (Stage 1)

Status: Completed July 2024

HVAC Industries delivered a comprehensive mechanical services upgrade to the Ground-Floor Social Hub and Western Amenities at ALDI's Minchinbury Headquarters.

The works included installation of new exhaust systems fully integrated into the Building Management System (BMS) with upgraded control strategies to improve operational performance and air quality.

Project Scope

- New mechanical exhaust systems
- Full BMS integration and controls upgrade
- Sensor relocations and BMS graphics updates
- Point-to-point commissioning and verification
- Independent air balancing of new and existing services
- Final optimisation to meet ALDI operational standards

All systems were commissioned, tested and balanced to ensure compliance with project requirements, with full documentation provided through detailed O&M manuals and commissioning reports issued in July 2024.



GMD Office – Minchinbury (Stage 2)

Status: Completed February 2025

Following the successful delivery of Stage One, HVAC Industries was re-engaged to undertake an air-conditioning upgrade within the ALDI GMD Office facility, focused on enhancing occupant comfort and improving system efficiency.

Project Scope

- Installation of new air-conditioning systems
- Associated mechanical and electrical works
- Supply and installation of flexible ductwork and fabricated plenums
- Removal of redundant services
- Full commissioning and performance testing

The project was completed in full compliance with Australian Standards and NCC/BCA requirements, as well as ALDI's internal performance criteria.

Project Outcome

Being engaged by ALDI across two consecutive stages reflects HVAC Industries' commitment to quality workmanship, documentation accuracy, and professional project delivery. The repeat appointment demonstrates the client's confidence in our ability to perform within live commercial environments while maintaining strict operational and compliance standards.

SALT APARTMENTS



Mechanical Services Design & Construct

Status: Completed – February 2026

The Salt Apartments development is a high-end residential project located in the Port Macquarie region, approximately five hours from HVAC Industries' headquarters. Due to the project's regional location and the advanced stage of construction, the developer experienced difficulty securing a mechanical contractor capable of delivering the works within the required timeframe.

HVAC Industries was recommended to the client through our strong industry partnerships and reputation for delivering complex mechanical projects under tight timeframes. At the time of engagement, the building structure was approaching the top-out stage, creating significant time pressure for mechanical services installation.

Demonstrating HVAC Industries' commitment to client service and project delivery, our team responded rapidly to the opportunity:

- The project was priced and tendered immediately by our estimating team
- The contract was reviewed and executed within 48 hours of receiving the tender documentation
- Design & Construct shop drawings were submitted within 96 hours
- HVAC Industries mobilised to site within five days of engagement

This rapid mobilisation highlights HVAC Industries' ability to deliver efficient procurement, fast-track design coordination, and accelerated construction programs when required.

The development consists of 15 high-end residential apartments, where architectural quality and attention to detail were a key priority for the client. HVAC Industries worked closely with the design team and trades to ensure the mechanical installation aligned with the project's architectural standards and interior design requirements.

HVAC Industries successfully delivered the project to a high standard, exceeding the client's expectations in both installation quality and project delivery, and was proud to be among the first contractors to complete commissioning and handover on the project.

Project Scope

The project involved a full design and installation of mechanical services, including air conditioning, mechanical ventilation, and commissioning works.

Air Conditioning

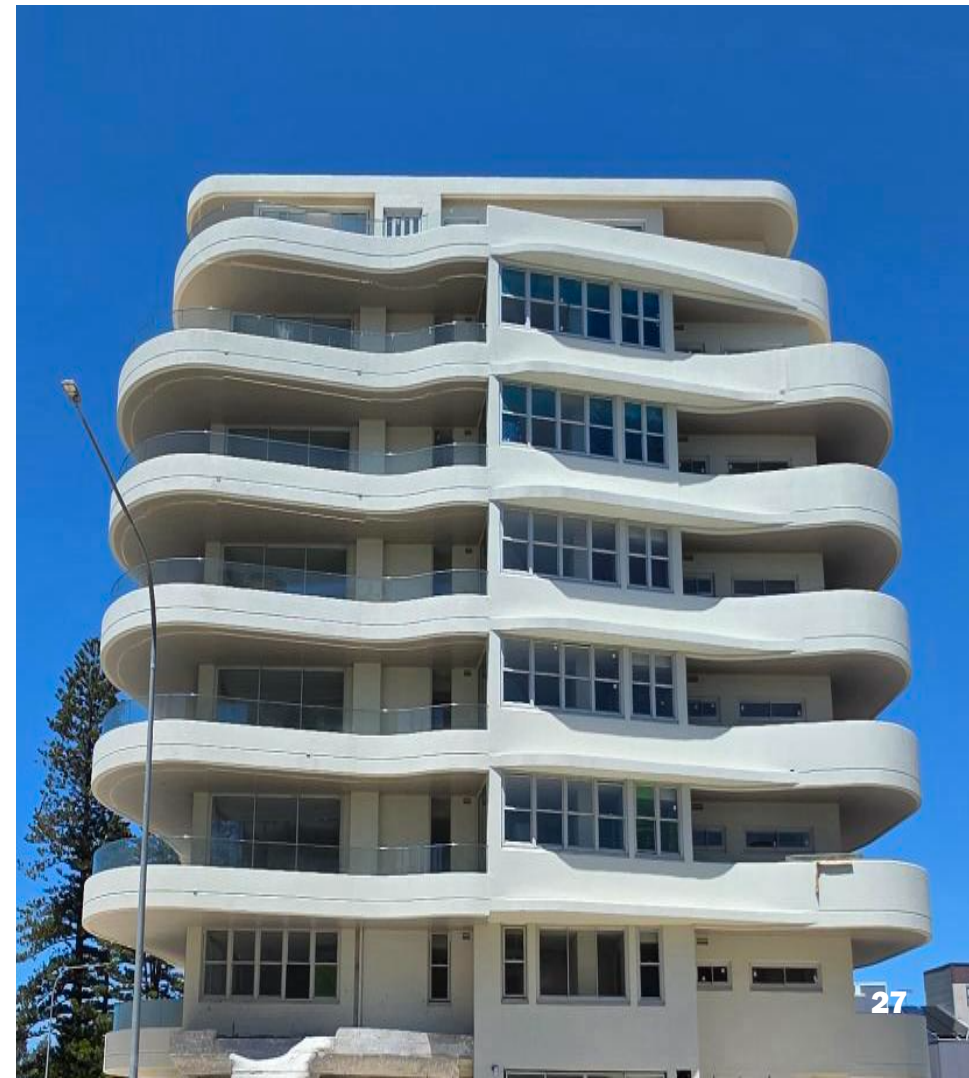
- Installation of 15 VRF ducted air conditioning systems servicing all residential apartments
- Installation of over 75 indoor fan coil units across the development
- Installation of linear bar grilles and integrated architectural grilles within joinery and ceiling spaces
- Close coordination with joinery and architectural trades to achieve optimal grille placement while maintaining architectural aesthetics
- Installation of ductwork, insulation, refrigeration piping, and control systems
- Installation of VRF condenser units located on apartment balconies

Mechanical Ventilation

- Exhaust ventilation systems for toilets, laundries, and kitchens across all apartments
- Lobby ventilation system incorporating outside air supply with roof-mounted fans
- Car park ventilation system including:
 - Supply and exhaust fans
 - Jet fan system
 - CO sensor-controlled VSD operation
 - Full compliance with AS1668 ventilation standards
- Ventilation systems installed for:
 - Bin rooms
 - Plant rooms
 - NBN and MSB rooms
 - Fire pump rooms

Commissioning & Compliance

- Full system air balancing and performance testing
- System commissioning to verify compliance with design intent
- Preparation and delivery of O&M manuals
- Provision of as-built drawings and documentation
- Installation works covered by a 24-month defect liability period
- All works completed in compliance with NCC requirements and AS1668 standards



Project Outcome

HVAC Industries has developed a strong reputation for delivering mechanical services projects in regional areas and under accelerated construction programs. Our ability to rapidly mobilise design, procurement, and construction teams enables us to successfully deliver projects where tight timelines and logistical challenges may prevent other contractors from participating. Projects such as Salt Apartments, Port Macquarie demonstrate HVAC Industries' ability to step into complex situations and deliver high-quality mechanical services solutions under demanding timeframes, while maintaining full compliance with NCC requirements, Australian Standards, and client expectations.

Regional & Fast-Track Project Delivery

HVAC Industries has developed a strong reputation for delivering mechanical services projects in regional areas and under accelerated construction programs. Our ability to rapidly mobilise design, procurement, and construction teams enables us to successfully deliver projects where tight timelines and logistical challenges may prevent other contractors from participating.

Through strong relationships with consultants, suppliers, and builders, HVAC Industries can quickly coordinate design development, equipment procurement, and site mobilisation to ensure projects remain on schedule.

Our approach focuses on:

- Rapid tender assessment and commercial response
- Fast-track Design & Construct mechanical documentation
- Early coordination with builders and other trades
- Efficient procurement through established supplier networks
- Accelerated mobilisation of installation teams

Projects such as Salt Apartments, Port Macquarie demonstrate HVAC Industries' ability to step into complex situations and deliver high-quality mechanical services solutions under demanding timeframes, while maintaining full compliance with NCC requirements, Australian Standards, and client expectations.

595 THE LITTLE COLLINS



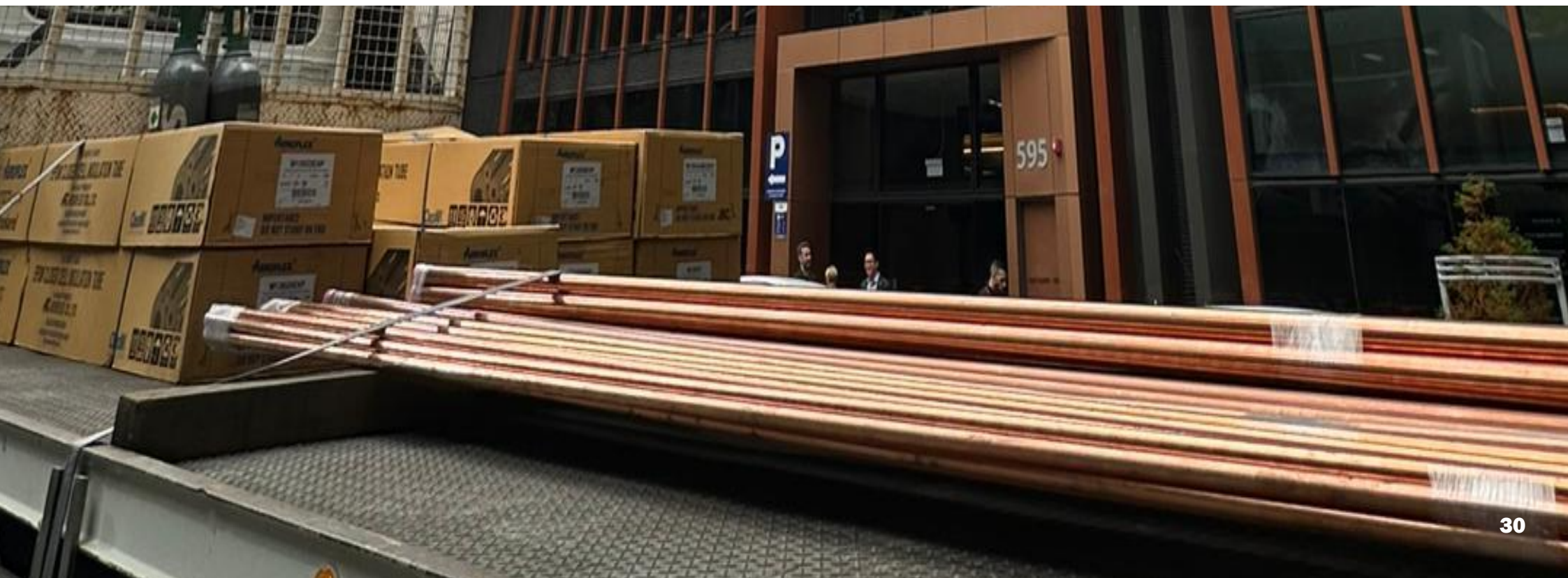
Mechanical Services Upgrade & BMS System

Status: Completed – May 2026

HVAC Industries delivered a major mechanical services upgrade across Levels 5 and 6 at 595 Little Collins Street, with each floor spanning approximately 2,000m² of commercial office space.

The project involved the complete mechanical fit-out and upgrade of the tenancy, including the installation of a new heat recovery VRF air conditioning system, ERV ventilation systems, and extensive modifications to the existing mechanical infrastructure to suit the new tenancy requirements.

A key component of the project was the integration of the new VRF heat recovery system with the existing base-building chilled water and BMS infrastructure. This required detailed coordination, staged commissioning, and careful balancing of both the new and existing systems to ensure seamless operation across the tenancy while maintaining building performance requirements.



Project Scope

Construct-only project delivered by HVAC Industries with complex coordination and restricted access due to the site's location adjacent to an operating hotel with strict noise limitations.

HVAC Industries carried out:

- Full VRF heat recovery system installation
- Supply and installation of ERV ventilation systems
- Mechanical fit-out works across both tenancy levels
- Rebalancing and optimisation of the existing HVAC systems
- Upgrades and modifications to the existing BMS controls
- Integration of the new mechanical systems into the existing base-building BMS infrastructure
- Testing, commissioning, and performance verification of all systems

The project required a high level of coordination between mechanical services, controls integration, existing live building services, and tenancy operations. Through detailed planning and commissioning, HVAC Industries successfully delivered a modern, energy-efficient HVAC solution designed to improve occupant comfort, operational flexibility, and long-term system performance.

Project Outcome

The project was successfully delivered within a live and highly restricted environment, with all mechanical systems fully operational, integrated, balanced, and commissioned in accordance with the project's performance and compliance requirements. Despite the access limitations, staging challenges, and strict noise restrictions due to the adjacent operating hotel, HVAC Industries completed the works with minimal disruption to surrounding occupants and building operations.

Through proactive coordination, detailed planning, and strong communication with all stakeholders, the project achieved a smooth delivery outcome, resulting in a high level of client satisfaction and reinforcing HVAC Industries' capability in delivering complex commercial fit-out projects within challenging live environments.

NIKAN RESTAURANT



Mechanical Services Upgrade & Kitchen Ventilation

Status: Completed – September 2025

HVAC Industries was engaged by Nikan Group to deliver the mechanical services upgrade as part of the refurbishment of Nikan Restaurant, one of Sydney's well-known Persian dining venues.

The refurbishment involved upgrading the restaurant's mechanical services systems to improve air conditioning performance, kitchen ventilation efficiency, and overall indoor comfort for both patrons and staff. As the works were carried out within an operational hospitality environment, careful coordination with the client, builder, and other trades was required to ensure minimal disruption to the restaurant's operations.

HVAC Industries provided a complete mechanical services solution, including system upgrades, ventilation improvements, and detailed coordination with the architectural refurbishment works to ensure the new systems integrated seamlessly within the restaurant's layout and finishes.

The project focused on improving thermal comfort within the dining areas while also ensuring effective kitchen exhaust ventilation and heat extraction, which are critical for restaurant environments with high cooking loads.

Project Scope

The scope of works included the design, installation, and commissioning of mechanical services systems throughout the refurbished restaurant.

Air Conditioning Systems

- Installation of new air conditioning systems servicing the upstairs dining area
- Supply and installation of ducted air conditioning units and associated distribution systems
- Installation of ductwork, insulation, diffusers, and architectural grilles
- Integration of systems to provide balanced air distribution and improved thermal comfort within dining spaces
- Installation of control systems to allow independent operation and temperature adjustment

The upgraded systems were designed to maintain consistent indoor temperatures and improved air circulation, ensuring a comfortable environment for restaurant patrons and staff.

Kitchen Exhaust & Ventilation Systems

A key component of the project involved upgrading the commercial kitchen exhaust system to improve heat extraction and ventilation performance.

Works included:

- Relocation of the main kitchen exhaust fan to improve airflow efficiency
- Installation of kitchen exhaust plenums and grease-rated ductwork
- Installation of commercial kitchen exhaust hoods and extraction systems designed to capture heat, smoke, grease vapours generated during cooking
- Installation of make-up air to balance ventilation and maintain correct pressure between kitchen and dining areas
- Installation of fire-rated kitchen exhaust ductwork systems where required

These systems ensure the kitchen environment maintains safe working conditions, proper heat extraction, and compliance with relevant ventilation standards.

Mechanical & Ventilation Works

Additional mechanical services works included:

- Modification and installation of mechanical ductwork systems
- Installation of linear bar grilles and air distribution fittings
- Installation of fire dampers and smoke dampers in accordance with fire safety requirements
- Installation of kitchen exhaust plenums and ventilation connections
- Coordination of mechanical services within the architectural ceiling and kitchen layout

All mechanical installations were carried out to ensure efficient airflow distribution, reliable operation, and compliance with the building's fire and ventilation requirements.

Commissioning & Compliance

Upon completion of the installation works, HVAC Industries carried out full system commissioning including:

- Air balancing and ventilation performance testing
- Verification of airflow rates and system operation
- Preparation and delivery of Operating & Maintenance manuals
- Provision of as-built drawings and documentation
- Final commissioning in accordance with NCC requirements and relevant ventilation standards

Project Outcome

The completed mechanical services upgrade significantly improved indoor comfort within the restaurant's dining areas while ensuring the kitchen ventilation systems operate efficiently and safely.

The project demonstrates HVAC Industries' capability to deliver mechanical services upgrades within hospitality environments, where kitchen heat loads, ventilation performance, and customer comfort must all be carefully balanced.

Through detailed coordination and high-quality installation, HVAC Industries delivered a reliable and efficient mechanical system that supports the ongoing operation of one of Sydney's established Persian dining venues.



“You know its well done when you forget it’s even there”

- Trenton Brown Mayor of Ryde NSW

MOSS VALE DATA CAMPUS



Mechanical Services Installation – Critical Cooling Infrastructure

Status: Completed – June 2025

HVAC Industries was engaged by Programmed Electrical Technologies Pty Ltd to deliver the mechanical services installation for the Moss Vale Data Centre, focusing on the installation of critical cooling infrastructure required to support the facility’s IT environments.

Data centre facilities require highly reliable mechanical systems capable of maintaining stable environmental conditions, redundancy, and continuous operational performance. HVAC Industries worked closely with the client and project stakeholders to ensure all cooling infrastructure was installed in accordance with the project specifications, commissioning procedures, and operational requirements associated with data centre environments.

The project involved the installation and commissioning of precision cooling systems, ensuring that temperature and humidity conditions within the server rooms could be maintained within strict operating tolerances.

Project Scope

The scope of works included the installation of mechanical services infrastructure supporting eight Vertiv precision cooling units across four dedicated data rooms within the facility.

Precision Cooling Systems	Installation Standards & Quality Assurance	Commissioning & Compliance
Upon completion of installation works, HVAC Industries carried out full commissioning procedures including: • System testing and verification in accordance with ITP documentation • Refrigerant system pressure testing and leak verification • Performance verification of the cooling systems • Preparation and delivery of as-built documentation and O&M manuals • Final inspection and certification of installed systems All works were completed in accordance with the approved design documentation and mechanical specifications for the facility.	Exhaust ventilation systems for toilets, laundries, and kitchens across all apartments Lobby ventilation system incorporating outside air supply with roof-mounted fans Car park ventilation system including: • Supply and exhaust fans • Jet fan system • CO sensor-controlled VSD operation • Full compliance with AS1668 ventilation standards Ventilation systems installed for: • Plant rooms • Utility rooms • Fire pump rooms	Full system air balancing and performance testing System commissioning to verify compliance with design intent Preparation and delivery of O&M manuals Provision of as-built drawings and documentation Installation works covered by a 24-month defect liability period All works completed in compliance with NCC requirements and AS1668 standards

Critical Infrastructure & Data Centre Cooling

HVAC Industries has developed proven capability in delivering mechanical services installations for critical infrastructure environments, including data centres and facilities requiring precision cooling systems.

These environments demand mechanical systems that maintain stable temperature, humidity control, and continuous operational reliability to support sensitive IT infrastructure and electronic equipment. HVAC Industries understands the importance of precision installation, system redundancy, and strict commissioning procedures required for these facilities.

Our team works closely with builders, electrical contractors, and technology integrators to ensure that cooling systems are installed in accordance with design documentation, commissioning procedures, and project-specific inspection and testing plans (ITPs).

HVAC Industries focuses on delivering installations that provide long-term operational reliability, ensuring that mechanical systems supporting critical equipment perform consistently under continuous operating conditions.

Key Capabilities

HVAC Industries' capabilities within critical infrastructure and data centre environments include:

- Installation of precision cooling systems for server rooms and IT facilities
- Installation of DX refrigeration piping systems for precision air conditioning units
- Installation of Vertiv and other data centre cooling systems
- Refrigerant pipework installation and insulation in accordance with BCA requirements
- Installation of condensate drainage systems and humidification connections
- Installation of sheet metal trunking and mechanical containment systems
- Integration of cooling infrastructure within electrical and IT service environments
- Coordination of mechanical systems with electrical contractors and data infrastructure installers
- Compliance with project Inspection and Test Plans (ITP) and commissioning procedures
- Pressure testing, leak testing, and system verification
- Preparation of O&M manuals, commissioning reports, and as-built documentation

Project Outcome

HVAC Industries successfully delivered the mechanical installation works for the Moss Vale Data Centre, providing a reliable cooling infrastructure capable of supporting critical IT environments.

The project demonstrates HVAC Industries' ability to deliver precision mechanical installations within data centre environments, where reliability, installation accuracy, and strict compliance with commissioning procedures are essential.

The project was completed with full commissioning, certification, and includes a 12-month defect liability period, ensuring continued reliability and operational performance of the installed systems.

Project Experience

Through projects such as the Moss Vale Data Centre, HVAC Industries has successfully delivered the installation of critical cooling infrastructure including precision DX piping systems servicing multiple Vertiv cooling units across dedicated data rooms.

These projects demonstrate HVAC Industries' ability to deliver high-accuracy mechanical installations within environments where reliability, precision, and compliance are essential.

Our experience in this sector highlights HVAC Industries' capability to deliver cooling infrastructure that supports critical operations, ensuring stable environmental conditions for sensitive IT equipment and data processing systems.



Uniting Aged Care



Mechanical Services Upgrade & Rectification To Existing Passive Fire Across All Services Inspection & Certification Of AFSS Status: Completed – Sept 2025

Aged Care Sector Experience

HVAC Industries has developed significant expertise in delivering mechanical services and passive fire compliance works within aged care environments. These facilities require a high level of planning, safety awareness, and coordination to ensure works are completed while maintaining the comfort and wellbeing of residents and staff.

Our team understands the unique challenges associated with aged care facilities, including operational continuity, resident safety, infection control considerations, and regulatory compliance. As a result, HVAC Industries adopts a carefully managed approach that prioritises minimal disruption, safe working procedures, and strict compliance with NCC and Australian Standards.

Across multiple aged care facilities, HVAC Industries has successfully delivered works including:

- Fire damper inspections, upgrades, and certification
- Passive fire sealing of service penetrations across mechanical, electrical, and plumbing services
- Installation of fire collars, batt and mastic systems, and compartmentation upgrades
- Mechanical services upgrades including VRF air conditioning systems
- Ventilation and air balancing works within operational facilities
- Preparation of comprehensive compliance documentation, registers, and certification reports

Through these projects, HVAC Industries has demonstrated its ability to deliver high-quality mechanical and fire safety upgrades within sensitive operational environments, ensuring life safety, regulatory compliance, and long-term reliability for aged care facilities.

Project Scope

The scope of works included the design, supply, installation, and commissioning of upgraded commercial kitchen exhaust and ventilation systems servicing the multiple food tenancies.

Nowra

HVAC Industries delivered a comprehensive upgrade including both mechanical services and passive fire protection works:

Mechanical Works

- Upgrade of the Daikin VRF system across the Ground Level and Level 1 communications rooms
- Air balancing and ventilation performance checks across multiple communications rooms
- Installation of door relief grilles where required to maintain correct airflow and pressurisation

Passive Fire Protection Works

- Fire-stopping of cable penetrations using approved HP fire sealant and wrap systems
 - Passive fire protection of service risers and penetrations to maintain building compartmentation
- Fire sealing of mechanical, electrical, and plumbing penetrations throughout the facility
 - Installation of compliant fire-stopping systems including batt, mastic, and wrap solutions
- Certification of all passive works in accordance with NCC requirements and AS 4072.1 standards

All works were completed, inspected, and certified to ensure the facility maintained full compliance with Uniting's safety and operational requirements.

Berry

- Installation of a Daikin VRF system servicing multiple common areas including:
 - Entry and reception areas
 - Administrative offices
 - Café and communal spaces
 - Hairdresser and beauty salon
 - Activities room

- Installation of multiple indoor fan coil units connected to a new VRF condenser located within the existing plant room
- Integration of all units with individual wall-mounted controllers and the central control system
- Air balancing and system commissioning to optimise performance
 - Electrical verification and operational testing to confirm compliance with the project design intent

The completed upgrade delivered improved thermal comfort, system efficiency, and reliable mechanical performance for the aged care facility.

Peakhurst

Across both stages, HVAC Industries successfully delivered:

- Upgrade and replacement of over 500 fire dampers throughout the facility
- Installation of 150 compliant fire collars to service penetrations
- Construction of smoke walls across 12 fire zones
- Passive fire sealing of service penetrations including batt, mastic, and fire collar systems
 - Upgrade of the Fire Indicator Panel (FIP) to suit revised building layouts
- Inspection and certification of all fire dampers in accordance with AS 1530.4 and AS 4072.1

The completed works significantly improved life safety protection, regulatory compliance, and long-term asset protection for the facility.

Storage King



Mechanical Services Installation – Design & Construct

Status: Completed - Dec 2024 - in progress

Storage King – Portfolio of Additional Design & Construct Projects

HVAC Industries has also delivered full Design & Construct mechanical services packages for the following Storage King facilities:

- Storage King Croydon – In Progress
- Storage King Mascot – In Progress
- Storage King Rouse Hill – Completed February 2026
- Storage King Morrisset – Completed July 2025
- Storage King Chatswood – Completed November 2025
- Storage King Kingsgrove – Completed December 2024
- Storage King Albion Park – Completed December 2024

Albion Park

HVAC Industries was engaged under a Design & Construct (D&C) contract to deliver the full mechanical services package for the new Storage King Albion Park facility.

Project Scope

- Provision of fully registered mechanical design, including coordination, shop drawings and as-built documentation
- Supply and installation of air conditioning systems serving office areas
- Supply and installation of car park exhaust system to ground level drive-through areas
- Supply and installation of ventilation systems across all seven (7) levels of amenities
- Supply and installation of all required fire dampers
- Independent air balancing of new and existing services
- Full commissioning and final optimisation to meet Storage King operational standards

Mascot

HVAC Industries was engaged under a Design & Construct contract to deliver the complete mechanical services solution for the new Storage King Mascot facility, one of the largest Storage King developments in NSW.

Project Scope

- Provision of fully registered mechanical design, including coordination, shop drawings and as-built documentation
- Installation of heat pump VRF system serving meeting rooms
- Installation of high static ducted air conditioning system serving the service counter and waiting area
- Supply and installation of air conditioning systems to office areas
- Provision and installation of dedicated fresh air system
- Supply and installation of ventilation systems across all ten (10) levels of amenities
- Installation of multiple mechanical exhaust systems serving amenities, kitchen, waste and pump rooms
- Supply and installation of all fire dampers, including application of fire-rated vermiculite spray protection to penetrations and ductwork in accordance with relevant Australian Standards
- Installation of two (2) stair pressurisation systems for life safety compliance
- Independent air balancing of new and existing services
- Full commissioning, testing and performance verification
- Final system optimisation to meet Storage King operational standards

Project Outcome

HVAC Industries' continued delivery of multiple Storage King facilities under Design & Construct contracts reflects our ability to consistently execute high-quality mechanical services across complex, multi-level developments. Successful project completion across all sites demonstrates strong capability in coordinating design, compliance, and installation works, while delivering systems that meet strict operational standards and reinforce long-term client confidence.

Project Experience

Over the past several years, HVAC Industries has established itself as a trusted mechanical services contractor within the storage facility sector, delivering projects across New South Wales, Victoria, and Queensland.

Our journey within the sector began with the successful completion of the Storage King Albion Park project in 2024. Since then, we have continued to expand our portfolio across multiple Storage King developments, large-scale warehouses, and high-clearance industrial facilities, steadily refining our expertise in ventilation design, air movement strategies, and long-term operational performance.

Today, HVAC Industries is actively delivering works on one of the largest Storage King developments currently underway in Mascot, further strengthening our reputation as a specialist contractor in the storage and logistics sector.

Through our continued involvement across these facilities, we have developed a deep understanding of the unique challenges associated with storage environments, including ventilation effectiveness, condensation control, temperature management, and long-term asset reliability. Our approach extends beyond simply meeting compliance requirements or satisfying minimum Australian Standards. We focus on practical, performance-driven outcomes that ensure each system operates efficiently in real-world conditions for years to come.

This experience has led to HVAC Industries being engaged to assist on existing facilities experiencing operational issues, including sites affected by moisture and mould concerns. In several cases, our team has successfully identified underlying causes and implemented targeted, cost-effective solutions that avoided unnecessary expenditure and major system reworks for the client.

What sets HVAC Industries apart is our balanced approach between compliance, engineering, and practical application. We believe successful mechanical systems are not defined solely by documentation or box-ticking exercises, but by how effectively they perform once the building is operational. This philosophy continues to position HVAC Industries as a leading mechanical contractor for design and construct storage facilities across Australia.

A grayscale background image showing various HVAC components, including large cylindrical ducts, pipes, and mechanical units, creating a technical and industrial atmosphere.

H V A C I N D U S T R I E S

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