



# CAPABILITY STATEMENT

## ABOUT US

**Pine Group** was built from decades of hands-on experience in the building and HVAC industries. What began over 30 years ago as licensed electrical work evolved into a specialist focus on indoor air quality, ventilation, and dehumidification solutions across residential, commercial, and industrial environments.

With 25 years working within the HVAC industry as HVAC electricians, we identified an increasing need for healthier, better-ventilated homes. This led us to sourcing and installing heat recovery ventilation systems, helping improve air quality, comfort, and energy efficiency in Australian buildings.

As our experience grew and relationships with leading ventilation manufacturers developed, we recognised that ventilation alone was not always enough — particularly in Australia's humid climate. Many buildings also required effective moisture control to prevent condensation, mould, corrosion, and air quality issues. From there, Pine Group expanded into dehumidification and integrated ventilation systems.

What started in residential projects quickly evolved through industry demand into larger and more complex applications, including swimming pools, aquatic centres, data centres, commercial facilities, and industrial environments.

Today, Pine Group has been directly involved in ventilation and dehumidification solutions for over 17 years. Our business has grown organically through experience, technical expertise, and responding to the real-world needs of clients and buildings alike.

We combine practical trade knowledge with specialised environmental control expertise to deliver reliable, energy-efficient solutions tailored to each project.

### 1990s

Trade experience begins

Built on decades of hands-on experience in licensed electrical work, building systems, and HVAC environments.

### 2009

Pine Electrical Pty Ltd founded

Imported and installed the first home heat recovery ventilation system, marking the start of a specialist focus on healthier indoor air.

### 2010s

Ventilation expertise expands

Responded to the growing need for better-ventilated Australian homes through HRV systems that improve air quality, comfort, and energy efficiency.

### 2017

Pine Group Pty Ltd established

Evolved from Pine Electrical into Pine Group, reflecting a broader focus on ventilation, dehumidification, and environmental control solutions.

### Now

Specialists in environmental control

Combining practical trade knowledge with advanced ventilation and dehumidification expertise to deliver reliable, energy-efficient solutions for every project.

## PART OF A BOADER GROUP

Pine Group Pty Ltd operates two distinct divisions — our commercial arm (Pine Group) and our residential division (Zenith Ventilation). This structure allows each brand to serve its audience with undivided focus while sharing engineering knowledge, supplier relationships, and quality standards.





20+ Years of ventilation and humidity control across Australia | 500+ Commercial and residential projects delivered across NSW | 8 Industries served - from aquatic centres to Passive House homes

Based in Penrith, NSW, we service:



Greater Sydney



Newcastle



Wollongong



Bathurst



Southern Highlands

## OUR SERVICES

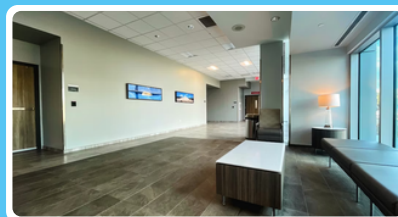
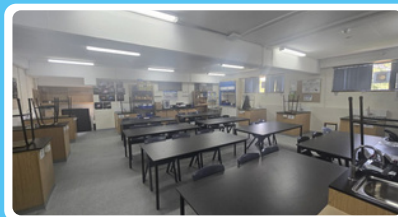
Tailored, engineered systems for the right balance of ventilation, temperature, and humidity in every application.

- Commercial Ventilation Systems
- Residential Indoor Pools Dehumidification & Ventilation
- Commercial Indoor Pool Dehumidification & Ventilation
- Industrial Dehumidification Systems
- Industrial Humidification Systems

## APPLICATIONS

Pine Group works across eight major commercial and industrial sectors — each with its own ventilation, humidity, and air quality demands. Our systems are engineered for the specific challenges of each environment.

- Manufacturing Plant Humidity Control
- Cold Storage & Distribution Centre Dehumidification
- Food Processing Facility Dehumidification
- Mining Accommodation & Donga Ventilation
- Hospital & Operating Theatre Humidity Control
- School Ventilation Systems
- Swim School Ventilation & Dehumidification
- Aquatic Centres & Indoor Pools
- Laboratory & Clean Room Humidity Control Systems
- Data Centre Humidity Control: Why Precision Matters
- Nut & Food Storage Facility Humidity Control
- Car Storage Facility Dehumidification
- Strata Building Ventilation: Upgrades, Repairs, and What You Need to Know
- Indoor Agriculture & Grow Facility Climate Control
- Archive Storage Humidity Control



## PROJECTS



### HiDEW RER100 Whole Home Climate Control System

Pine Group supplied and installed a HiDEW RER100 whole-home climate control system for this high-end residential project in Beecroft, built by Alpha Build.

The HiDEW RER100 is an all-in-one solution that combines heat recovery ventilation (HRV), active dehumidification, heating and cooling into a single compact unit — giving the home continuous fresh air, controlled humidity and year-round indoor comfort while maintaining excellent energy efficiency.



#### Client:

ALPHA BUILD



#### Location:

BEECROFT, NSW



#### Completed:

2025



#### Industry:

CLIMATE CONTROL



#### Services::

COOLING  
DEHUMIDIFICATION  
HEATING  
VENTILATION SYSTEMS



#### Project Scale:

HIGH-END RESIDENTIAL — 3 LEVELS DISCUSS A



### Science Laboratory Ventilation Upgrade

TAFE NSW required a complete ventilation and humidity control upgrade for their Olympic-standard indoor aquatic centre at the Penrith campus. The existing system was undersized for the facility's year-round operational demands, resulting in persistent condensation issues, elevated chloramine levels, and accelerating corrosion to structural steelwork.

The project scope required Pine Group to design and install a system capable of handling the extreme moisture loads of an active competition pool — while integrating with the facility's existing building management system and maintaining uninterrupted pool access throughout the installation phase.



#### Client:



#### Location:

PENRITH, NSW



#### Completed:

MARCH 2024



#### Industry:

SCHOOLS AND LABS



#### Services::

VENTILATION SYSTEMS



#### Project Scale:

TIER 2 COMMERCIAL

## PROJECTS



### Overcoming No Provision for Concealed Ductwork: Indoor Pool Dehumidification

Pine Group was engaged to install a dehumidification system in a newly built residential home in Robertson, NSW, featuring an indoor pool. While the property was modern and beautifully finished, it presented one key challenge — there had been no allowance for concealed ductwork or mechanical ventilation in the original design.

With moisture control critical in any indoor pool setting, the homeowners needed a reliable solution that could manage humidity, prevent condensation, and protect the building's integrity — delivered through a clean, precise installation within the constraints of the existing structure.



#### Client:

PRIVATE RESIDENTIAL HOMEOWNER



#### Location:

ROBERTSON, NSW



#### Completed:

2025



#### Industry:

INDOOR POOL



#### Services::

DEHUMIDIFICATION  
VENTILATION SYSTEMS



#### Project Scale:

RESIDENTIAL RETROFIT



### Precision Climate Control for a Spa Room, Aquatic Centre for Council

Pine Group was engaged by a regional NSW council to install a reliable Air Handling Unit (AHU) for the spa room within a council-operated aquatic centre. To meet the specific environmental requirements of the space, the Dantherm DanX 1HP system was selected and installed.

Spa rooms present unique challenges when it comes to humidity and temperature control. Without proper ventilation, these high-moisture environments can suffer from condensation issues, mould growth, and structural damage — the DanX 1HP was chosen specifically to combat these concerns through energy-efficient dehumidification and climate regulation.



#### Client:

REGIONAL NSW COUNCIL



#### Location:

REGIONAL NSW



#### Completed:

2025



#### Industry:

AQUATIC CENTRES



#### Services::

DEHUMIDIFICATION  
VENTILATION SYSTEMS



#### Project Scale:

TIER 2 COUNCIL / COMMERCIAL



20+ Years of ventilation and humidity control across Australia | 500+ Commercial and residential projects delivered across NSW | 8 Industries served - from aquatic centres to Passive House homes

Based in Penrith, NSW, we service:



Greater Sydney



Newcastle



Wollongong



Bathurst



Southern Highlands

## ACCREDITATIONS & COMPLIANCE



### NSW Licensed Contractor

Fully licensed for commercial mechanical services installation across New South Wales.



### Tier 1 & Tier 2 Capable

Experienced in all documentation, compliance, and coordination requirements of major commercial projects.



### WHS Compliant

Full Workplace Health and Safety documentation, Safe Work Method Statements, and site induction capability.



### Public Liability Insured

Comprehensive public liability and professional indemnity cover for all commercial project engagements.



### AS/NZS Standards

All installations comply with relevant Australian and New Zealand standards for ventilation and mechanical services.