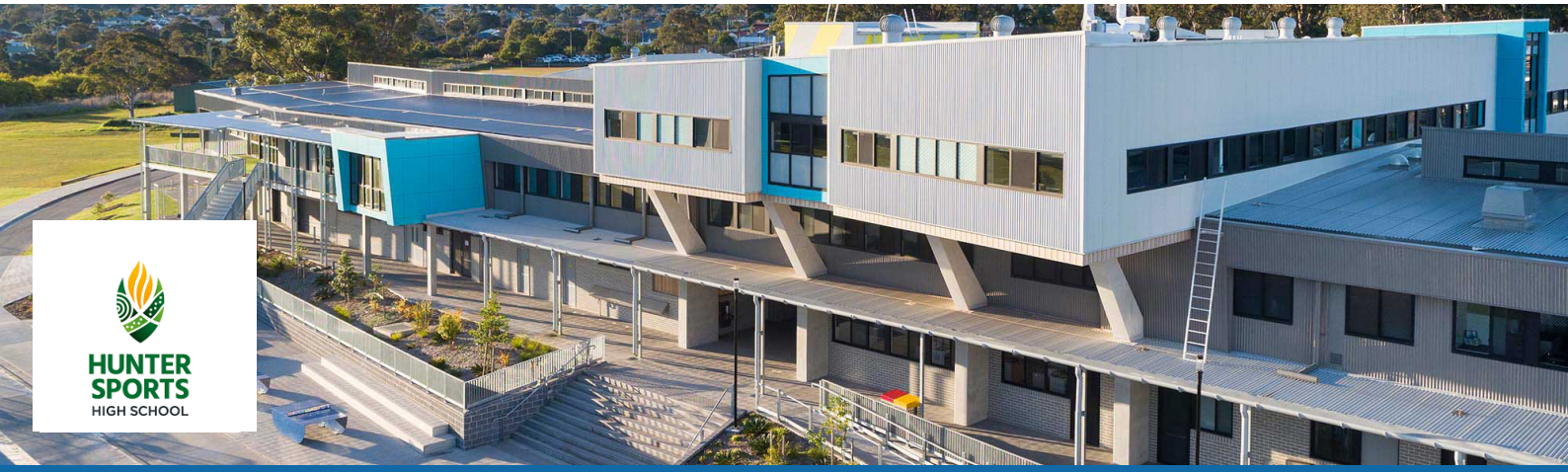
Braemar Case Study

Hunter Sports High School, NSW



Embracing Smart Climate Control with Braemar's Reverse Cycle Technology

Hunter Sports High School Newcastle, NSW

Project Address
Awabakal Country, Pacific Highway
Gateshead NSW 2290

Contractor
Grosvenor Engineering Group

Equipment
118 x Braemar VRF 8kW Wall Mounted Indoor units
59 x Braemar VRF 16kW Mini Slim Outdoor Units

CUSTOMER PROFILE

Hunter Sports High School is an award-winning, inclusive learning community that inspires lifelong curiosity and growth. Through personalised pathways and co-created graduate attributes, every student is empowered to thrive, develop essential life skills, and reach their full potential in a dynamic, supportive environment.

INDUSTRY

- School
- Education

APPLICATION

- Stand-alone cooling & heating
- Controled comfort Levels
- De-centralised Control

Project Overview

As part of the newly released Schools Infrastructure NSW (SINSW) tender, Hunter Sports High School, a multi-award-winning institution renowned for its elite Sports Academy and inclusive learning programs, identified an ideal opportunity to upgrade its HVAC system.

This project represents one of the largest installations since the new tender commenced and exemplifies the scale and reach achievable through Seeley International's extensive dealer network under the five-year supply contract with SINSW.

Client Details

Hunter Sports High School is one of many NSW public schools benefiting from the strategic rollout of Braemar air conditioning solutions under the Schools Infrastructure NSW (SINSW) Seeley supply agreement.

The initiative aims to enhance learning environments across the state by delivering energy-efficient climate control to classrooms. Carefully regulated indoor conditions are essential for student wellbeing and cognitive function, contributing to improved educational outcomes.

Contractor

Grosvenor Engineering Group Grosvenor was appointed as the mechanical services contractor for this project, responsible for the full installation and commissioning of the Braemar VRF system. As a trusted building services partner to leading property portfolios across ANZ, Grosvenor is committed to delivering outcomes and long-term value for building owners, managers, and occupants.

With 20 branches across Australia and New Zealand, Grosvenor supports clients with a workforce of over 800 employees, including specialist engineers, technicians, project managers, estimators, site personnel, and service specialists. Their operations are guided by industry best practices and certified Quality, Safety & Environment Systems under stringent JAS-ANZ standards.

Project Requirements

The school's General Learning Areas (GLAs) required a reliable, energy-efficient reverse cycle solution capable of maintaining consistent comfort levels year-round. The specified room conditions were 22.5 ± 1.5 °C, with a focus on:

- Quiet operation to support focused learning
- Zoned control for individual classroom management
- Scalable infrastructure to support future expansion
- Compliance with SINSW mechanical services standards

The installation also needed to accommodate the architectural constraints of a newly built facility (2018), while ensuring minimal disruption to school operations.

HUNTER SPORTS HIGH SCHOOL

Proposed Solution

Proposed Solution
To meet the performance and compliance criteria, Seeley International proposed a high-capacity Braemar VRF system comprising:

- 118 × Braemar VRF 8kW Wall Mounted Indoor Units
- 59 × Braemar VRF 16kW Mini Slim Outdoor Units

Units were strategically positioned to optimize airflow and thermal balance across all GLAs. Minor adjustments to placement were made during implementation to align with site-specific conditions and ensure optimal performance.

Outcome

The installation was completed on schedule and to specification, delivering:

- Uniform climate control across all classrooms
- Enhanced comfort for students and staff
- Improved energy efficiency compared to legacy systems
- Seamless integration with the school's building management system

This project sets a benchmark for future installations under the SINSW/Seeley contract, demonstrating the scalability and performance of Braemar VRF technology in educational settings. It also reinforces Seeley International's commitment to supporting NSW's public education infrastructure with sustainable, Australian-made climate solutions.

SEELEY INTERNATIONAL

For more information, please call 1300 360 815
or email enquiries@seeleyinternational.com

We provide full technical support to ensure optimal design for each application.

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