



Install
a Rheem®

COMMERCIAL CASE STUDY



1 Bligh Street: A Sustainable Hot Water Solution for Premium Office Space

OVERVIEW

Located in Sydney's vibrant financial district, 1 Bligh Street is a state-of-the-art office tower renowned for its commitment to sustainability. Awarded a six-star green status by the Green Building Council of Australia, this ecologically sustainable development sets a benchmark for premium office spaces. To meet the needs of tenants across its 27 levels, the building required upgraded end-of-trip (EOT) facilities, including modern showers, towel services, and a wellness centre, all supported by an efficient and eco-friendly hot water system.

THE CHALLENGE

The new EOT facilities demanded a high-efficiency hot water solution that could:

- Deliver a reliable supply of hot water for showers and wellness centre amenities.
- Align with the building's stringent sustainability standards and six-star green rating.
- Minimise energy consumption to support cost efficiency and environmental goals.
- Integrate seamlessly with the building's infrastructure to meet tenant expectations.

THE SOLUTION

Rheem Commercial, in collaboration with Norman Disney & Young Hydraulic Consultants and Mr Water Plumbing, designed and installed an energy-efficient hot water system tailored to the building's needs. The solution features Rheem Air-to-Water (A2W) Commercial Heat Pumps paired with Commercial Storage Tanks, providing up to 1,230 litres of stored hot water.

Key features of the system include:

Energy Efficiency: The A2W heat pumps harness ambient air to heat water, significantly reducing energy use and supporting the building's sustainability objectives.

High Capacity: With 1,230 litres of stored hot water, the system ensures a consistent supply for the EOT facilities, even during peak demand.

Sustainable Design: The solution aligns with the building's six-star green status, contributing to its low environmental impact.

Reliable Performance: The combination of heat pumps and storage tanks guarantees dependable hot water delivery for tenant comfort.

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THE IMPLEMENTATION

Rheem worked closely with Norman Disney & Young Hydraulic Consultants to design a system that met the building's exacting standards. Mr Water Plumbing executed a professional installation, ensuring the A2W heat pumps and storage tanks were seamlessly integrated into the building's infrastructure. The collaborative effort delivered a solution that balanced performance, efficiency, and sustainability.

THE IMPACT

The Rheem A2W heat pump system has enhanced 1 Bligh Street's EOT facilities, providing tenants with reliable, high-quality hot water while upholding the building's commitment to sustainability. By delivering an energy-efficient solution that supports the six-star green rating, Rheem has helped maintain the tower's status as a leader in eco-friendly office design. The system's high capacity and low energy consumption ensure both tenant satisfaction and reduced operational costs, setting a standard for sustainable building amenities.

This project demonstrates how innovative technology and expert collaboration can deliver high-performance, environmentally conscious solutions for modern workplaces.

THE KIT

- 2x Rheem 16kW Air to Water (A2W) Commercial Heat Pumps – Non-Ducted
- 3x Rheem Storage Tanks – 410L