



Install
a Rheem®

COMMERCIAL CASE STUDY



Rheem Hot Water Solution for Riversland Aged Care Home

A prominent Australian aged care facility, serving over 100 residents, needed a reliable and efficient hot water system for daily operations. Rheem collaborated with facility management and local contractors to implement a high-efficiency solution using Heavy Duty Gas Continuous Flow water heaters, ensuring comfort and compliance with health and safety standards.

THE CHALLENGE

The facility's outdated hot water system struggled with peak demand, causing inconsistent supply and high energy costs. It needed to:

- Meet high hot water demand for residents and operations.
- Ensure precise temperature control to comply with aged care regulations and prevent scalding.
- Reduce energy use and emissions for sustainability.
- Minimise installation downtime to avoid disrupting resident care.

THE SOLUTION

Rheem designed a tailored hot water solution, incorporating:

Rheem Heavy Duty Gas Continuous Flow

Water Heaters: Multiple units installed to deliver a high-capacity, continuous hot water supply.

Advanced Temperature Control Systems:

Precision controls to maintain safe water temperatures (typically 50°C), ensuring regulatory compliance.

Seamless Integration: System integrated with existing plumbing to reduce installation complexity and disruptions.

Certified Contractors: Collaboration with local specialists to meet Australian Standards (AS/NZS 3500) and aged care requirements.

Energy-Efficient Design: Gas continuous flow technology to heat water on demand, eliminating standby energy losses.

THE KIT

Inline Electric Boost Plant:

- 3 x Rheem Heavy Duty Electric Storage model 616315

Commercial Heat Pump Preheat:

- 1 x Rheem model 95301600 Comm A2W Heat Pump 16kW Vertical Discharge Non Ducted
- 2 x Rheem model 61043050 VE storage tanks

Secondary Building Circulation:

- 1 x Rheem Redi-Set model 99501293 Deluxe 32-80N
- 1 x Rheem model 220651 Motorised 3 Way Valve with Rheem model 6060262-4 Temp Controller

THE IMPACT

The new system delivered significant outcomes:

Enhanced Reliability: Ensured consistent hot water for bathing, laundry, and kitchen operations.

Energy Savings: Reduced energy consumption by approximately 40%, lowering costs and carbon footprint.

Regulatory Compliance: Met aged care regulations with precise temperature control, enhancing resident safety.

Operational Continuity: Installation completed with minimal disruption, maintaining care standards.

Long-Term Durability: Provided a robust, low-maintenance solution for sustained performance.

Sustainability Benefits: Supported the facility's environmental goals with energy-efficient technology.

This project highlighted Rheem's expertise in delivering high-performance hot water solutions, improving resident quality of life and operational efficiency while meeting regulatory and sustainability objectives.

CONTACT THE RHEEM COMMERCIAL TEAM TODAY

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