

GATEWAY SHOPPING CENTRE

PALMERSTON, NT, AUSTRALIA

RETAIL

OVERVIEW

Gateway Shopping Centre in Palmerston, near the capital city of Darwin in Northern Territory, Australia, is a convenient, modern shopping center with 60 stores, including Darwin's newest concept Woolworths Superstore; BIG W; a movie theater with six screens and Darwin's only V-Max stadiums with Dolby Atmos sound; and Adventure Land, a 1,100-square-meter state-of-the-art indoor children's party and play zone. Gateway has 1,400 free parking spaces, many of which are shaded and covered.

PROJECT DETAILS

Reliable Controls Authorized Dealer Integrated Switchgear and Systems Pty Ltd. (ISAS) successfully completed the construction of a building automation system for Gateway Shopping Centre in Palmerston.

The mechanical system for Gateway Center includes three 2,400 kWh PowerPax chillers, three pre-cooler units, 16 air handling units, and 50 fan coil units. Multiple MACH-ProAir and MACH-ProZone controllers are in operation in the cinemas alone. The suite of Reliable Controls software that monitors, reports, and archives system data is an ideal solution for the complexities of operating a shopping center. The integration of the electrical thermal, gas, and water makes this installation unique.

ISAS met the challenge of meeting project deadlines and liaising with third-party contractors to develop the building management system. ISAS regularly met with contractors and the client to resolve issues and skilfully manage the project.

Both Reliable Controls and Integrated Switchgear & Systems Pty Ltd. are pleased with the outcome and proud to have commissioned the system for this advanced shopping center. On completion, the client proudly announced that Gateway now has the most complete building management system they have ever seen. A special thanks to Building Services Group for its assistance as an engineering consultant.

To learn more about projects using Reliable Controls visit
www.reliablecontrols.com/projects/overview



PROJECT TYPE:

New construction

INSTALLATION TYPE:

Chiller, CO₂ monitoring, fan coil unit, HVAC, VAV, water monitoring

TOTAL AREA:

30,000 m² (322,917 ft²)

NETWORK:

EIA-485, Ethernet, fibreoptic

PROTOCOL:

BACnet®, MODBUS

BACNET:

20 Siemens UH50 thermal meters with cards

EQUIPMENT INSTALLED:

**118 MACH-ProAir™
 9 MACH-ProCom™
 34 MACH-ProZone™
 RC-Archive®, RC-Studio®, RC-Toolkit®,
 RC-Reporter®, RC-WebView®**

TOTAL SYSTEM POINTS:

5,584

RELIABLE CONTROLS DEALER:

Integrated Switchgear & Systems Pty Ltd.

