



COMMERCIAL SOLAR

HEALTH INNOVATION BUILDING, UniSA

Scheduled to open in 2018, the Health Innovation Building at the University of South Australia (Uni SA) is a sophisticated \$247 million cancer research facility that will be an integral part of the South Australian Health and Biomedical Precinct on North Terrace.

Hot Water Requirements

Rheem was engaged by plumbing contractor Smith Brothers Plumbing to provide a highly robust and cost-effective water heating solution for laboratory handwashing in addition to showers / ablutions for 800 staff members.

Solution

The Rheem solution encompassed a domestic hot water plant and a laboratory hot water plant. There were 8 Reduced Pressure Zones for the domestic plant and 5 Reduced Pressure Zones for the laboratory plant. Rheem Tankpak Series 2 was chosen based on the compact design, the ability to rapidly heat large quantities of water at high efficiencies, top down heating system, redundancy and certification for crane lifting.



FACTS & FIGURES

- 2 x TPI05NFD/2430 Tankpak Series 2 plus associated flue components
- Solar pre-heat package
- 38 x NPT200 Solar Collectors
- 13 x 610430 Commercial Storage Tanks
- Solar pump, controller and associated fittings

The Rheem Tankpak and Solar pre-heat package can provide 5330 litres of hot water over a one hour peak period and 22,828 litres per hour for the laboratory and hot water requirement for staff members.

Installed by: Smith Brothers Plumbing

Engineers: KBR

