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