



COMMERCIAL RAYPAK & RT TANKS

ICC SOFITEL HOTEL – SYDNEY, NSW

The recently-completed ICC Sofitel is a five-star hotel located in the centre of Darling Harbour's revamped International Convention Centre precinct. Built at a cost of \$500-million, the glittering 35-level, 590-room showpiece represents Sydney's first new build luxury hotel in almost two-decades.

Requirements

In order to meet the hotel's enormous hot water demands, the hotel operator needed a commercial hot water plant that offered large hot water storage volume with a high level of system redundancy.

Solution

Raypak's robust design characteristics render it ideal for high-demand commercial applications involving the daily heating of large water volumes, Rheem supplied three of these units per plant. Large capacity stainless steel storage tanks were also installed, which offered a reduced footprint and extended life.

To simplify tank installation, the 100mm thick insulation was removed, enabling the tanks to be brought into the plant room through the doorway. The insulation was then re-fitted.

Importantly, the Raypak system was also compatible with the hotel's Building Management System (BMS), enabling remote monitoring of equipment operation.



FACTS & FIGURES

The two plants combined can provide over 60,000-litres of 65°C water over a one-hour peak period.

Plant 1: Domestic Low Rise (Gravity Feed):

- 3 x Raypak B3164NCO/ID gas water heaters
- 6 x Rheem RT 3000-litre Stainless Steel Storage tanks

Plant 2: Domestic High Rise (Mains Pressure)

- 3 x Raypak B0280NCO/ID gas water heaters
- 4 x Rheem RT 1000-litre Stainless Steel Storage tanks

Developer: Lend Lease

Hydraulic Consultant: Warren Smith & Partners

Installing Contractor: Boone & Willard

