

Location: Sydney, Australia

Client: Dexis and Cbus Property

Capacity: 100,000 litres per day

Source: Blackwater from toilets,
hand basins and mined sewer

Recycled Use: Toilet flushing and
cooling tower make-up

Aquacell® S100

1 Bligh Street, Sydney



www.aquacell.com.au

The Property

Located in the heart of Sydney's CBD, the 29 storey, 47,000 square metre tower provides spectacular views of Sydney Harbour. 1 Bligh Street is an iconic feature of the Sydney skyline, combining remarkable architecture with best practice sustainability, such as the double skin facade and a naturally ventilated, full height atrium.

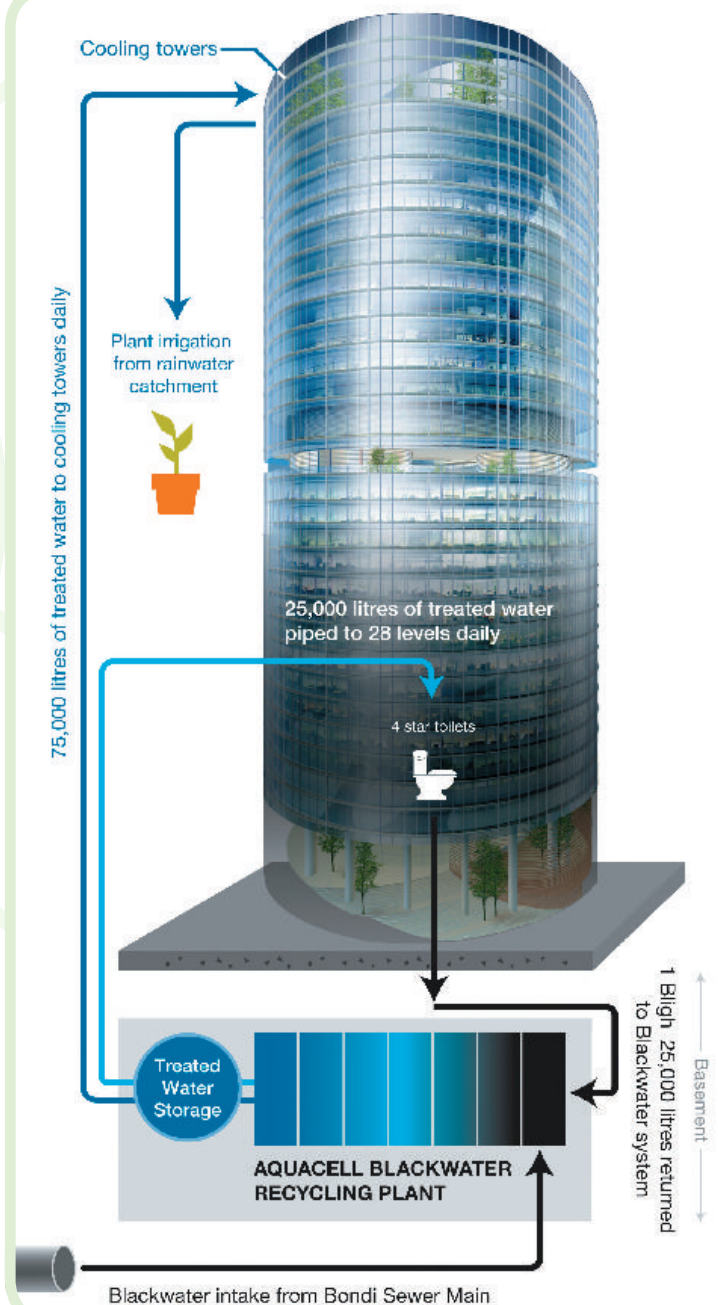
The Aquacell Blackwater Solution

The state of New South Wales awarded the first combined private network and retailer's water recycling licence to Aquacell for the 1 Bligh Street development, making it Sydney's first high-rise commercial office tower to incorporate blackwater recycling technology.

- The blackwater plant recycles and saves 100,000 litres of drinking water a day, which equates to over 22.7 megalitres per year.
- Wastewater is mined from the nearby sewer main to supplement the building's blackwater flow and meet the building's non-potable water demand (see schematic at right).
- Wastewater is treated to the highest recycled water standards approved by NSW Health.
- Recycled water is distributed around the building for non-drinking purposes, with 75,000 litres used for cooling tower make-up and 25,000 litres for toilet and urinal flushing.
- Aquacell's turn-key approach included regulatory approvals, design, project management, installation, commissioning and an ongoing operations and service contract.

For further information:

Please contact Aquacell Head Office on 1300 AQUACELL or email sales@aquacell.com.au



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