



Cleantech Solutions.
Anywhere.



Office Tower Australia



Challenges

- Maximize net lettable Area
- Full flexibility of fixtures layout for tenants
- Water saving fixtures required for certification

Sydney's 6 stars office building

Cbus Property's flagship office development in Sydney is located at 1 Bligh Street in the heart of the city's financial district. The building needed to be rated 6 stars Green Star and 5 Star NABERS Energy. Evac provided a cost effective solution for full flexibility and great water saving features.

Winner of the DEXUS/ City of Sydney design competition Architectus, in association with Ingenhoven Architects, has created a highly sustainable office tower. The building has achieved 6 Star Green Star Office Design v2 and Office As-Built v2 Certified Ratings from the Green Building Council of Australia. The concept was developed with three critical considerations: the View, the Public Space, and the Work Environment.

Architects:

Architectus, Ingenhoven Architects

Designers:

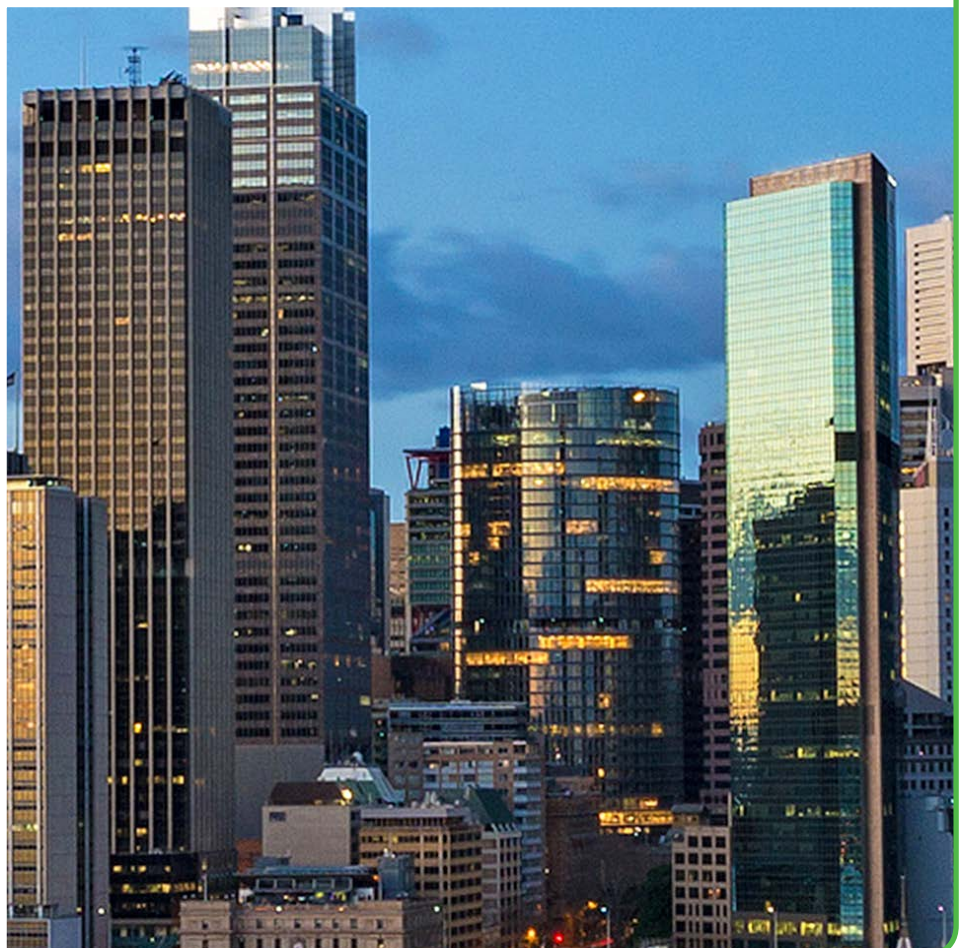
Enstruct group, Cundall (ESD Consultant)

Owners:

Cbus Property, DEXUS Property Group, DEXUS Wholesale Property Fund

Evac representative:

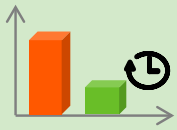
HiFraser Group



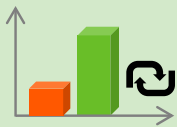
Benefits



- Increase net lettable area water saving with vacuum toilet Increase building value with green certification



- Quicker plumbing design and installation



- Full flexibility of plumbing fixtures placement for tenants

Delivery scope

- 50 vacuum interface units
- 20 vacuum toilets
- 2 vacuum collecting tanks type N°10 HQE
- 2 vacuum pumps of 126 m³/h vacuum capacity
- 2 discharge pumps

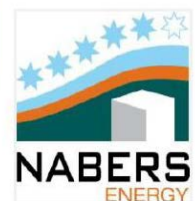
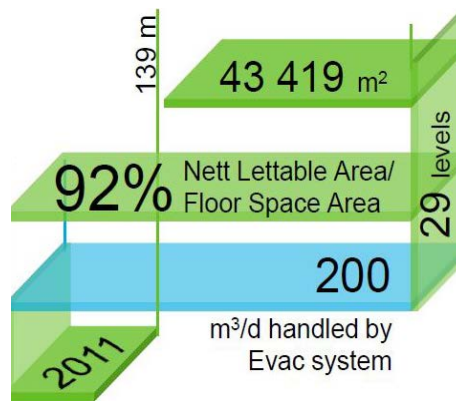


Evac vacuum collecting unit

Evac solutions for real estate

Evac supplied the vacuum collection system to collect wastewater from the building's middle and upper floors. The system allows the building owner to greatly increase the net leasable area. Vacuum access points on each floor collect effluents from the drains. Tenants enjoy full flexibility on equipment placement and future retrofits do not require digging into the slab. Tenants may install toilets, showers, basins, and kitchenettes anywhere on the floor plate.

The Evac system contributed to the high green standards of the building, thanks to the very low water consumption of Evac toilets – 1.2 litres / 0.4 gal. per flush compared to conventional 6 litres / 1.6 gal. consumed. In addition, the system offered full flexibility for equipment placement and a great increase in net leasable space.



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Vacuum collection



Wastewater treatment



Dry and wet waste treatment*



Fresh water generation



Systems automation

Evac Group is the world's leading provider of integrated waste-, wastewater-, and water management systems for the marine, offshore, and building industries. The company has executed over 20,000 marine, 2,000 offshore and 2,000 building projects worldwide. Evac has own offices in Brazil, China, Finland, France, Germany, Korea, Norway, Sweden and the USA, and representatives in more than 40 countries.

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* Sold under Bvac trademark for the building industry.

