

## “SYDNEY’S LATEST 6 STAR OFFICE BUILDING, 1 BLIGH ST SETS NEW STANDARDS IN GREEN TECHNOLOGY”



Sydney’s new Six-Star Green Star Office Building at 1 Bligh Street.

### Project Details

**Owner, Developer, Investor:** Dexus Property Group / Cbus Property

**Builder:** Grocon Pty Ltd

**Other Information:** 30 storey’s  
42,000 square meters of floor space

**Completion Due:** May 2011.

**Location:** Situated on the corners of Bligh, Bent, and O’Connell streets with magnificent views over Circular Quay toward Sydney Harbour.

### Innovative technologies and building practices include:

- **Vacuum Drainage Technology**
- *Black water Treatment (includes sewer mining system)*
- *90 percent water recycling*

As well as many other features including:

- *Australian first large scale double skin glass façade*
- *Innovative Tri-generation energy system*
- *Innovative solar technology*
- *40 percent recycled green concrete (now patented worldwide)*
- *90 percent recycled steel*
- *Siphonic rainwater system*
- *Full height central Atrium*

### Project Summary

H.I.Fraser Group were awarded the task to supply the EVAC Vacuum Collection System for this iconic building with the system primarily being utilised to collect trade waste discharge from mid and high level base building services. In addition, the EVAC Vacuum Collection System allows the building owner to offer 100% Net Leasable Space (NLS) on sub tenancy fit-outs by providing vacuum access points on each level to collect from any installed hydraulic service. This will provide tenants with full flexibility on placement of services with no requirement to penetrate the slab during ongoing refits after the building has been completed. Tenants will have the option to install Toilets, Showers, Basins or Kitchenettes almost anywhere on the floor plate.

### System Details

**Demand:** 200m<sup>3</sup> combined Hydraulic and Pneumatic (calculated at 75% usage of all services within 1 hour).  
**Redundancy Required:** Full 100% redundancy on complete collection plant including pumps, tanks and control panels.  
**Connected Services:** Level 29 cooling towers, boilers, chillers, and floor wastes  
Level 16 chillers and floor wastes  
Allowance for 4 off each Showers, WC’s, WHB’s and Kitchenettes per floor.

For further information on the latest in Vacuum Technology, visit our website at [www.hifraser.com](http://www.hifraser.com) or email us on [enquiries@hifraser.com](mailto:enquiries@hifraser.com)



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