

Interesting facts and stats about The Bendigo Centre

The Bendigo Centre:

- > Comprises two buildings-the existing Fountain Court and the new Bendigo Centre building linked by a glass-walled skywalk.
- > Includes two new open-air lanes (Laity Lane and Perrow Walk) connecting Bath Lane and High Street, a new piazza, Lyric Square and a boardwalk (Oscars Walk), which is a pedestrian link along the Bendigo Creek.

Green Components:

- > Five Star Green Star rated building design.
- > The building will use half the energy of a typical office building.
- > Potable water used will be reduced by more than 50%.
- > Sunshades on exterior act as “second skin” cutting out heat and reducing demand on air conditioning.
- > Double glazed windows minimise heat adsorbtion in summer and insulate the building from the cold in winter.
- > Windows and atriums allow natural light into to the interior, reducing the need for artificial lighting.
- > The building incorporates one of the first large-scale applications of under-floor displacement air conditioning to be seen in Australia. This system provides fresh, clean air at a low pressure with individual vent controls at every work station. The system uses considerably less energy than a traditional system.
- > Solar panels reduce black power used.
- > Recycling Water Treatment Plant treats black and grey water and provides Class A water for toilet flushing. This saves 20,000 litres of waste water a day, saving about 4.5 million litres of drinking water annually.
- > 10,000 litre rainwater tank with water used to irrigate plantings in the building precinct.
- > Ducted vacuum system to reduce dust particles in the air.

- > Automated lights which dim or turn off when there is sufficient natural light.
- > Smaller car parking spaces, 46 bike spaces and change rooms to encourage staff to consider fuel-efficient transport options.
- > Two internal stair cases encourage staff to avoid using elevators and save on energy.
- > Most building material was sourced within 200 kilometres of the building site.
- > Native timbers from renewable sources have been used extensively in the building.

Construction:

- > The building was designed by Bligh Voller Nield Architecture and GrayPuksand working with ESD consultancy Connell Wagner.
- > Construction started on 2 September 2005 and took three years and three months to complete.
- > At the peak of construction there were more than 280 workers on site.
- > The Bendigo Centre comprises 16,000 square metres of office and retail space.
- > The façade is 7,982 square metres.
- > More than 113 kilometres of cabling was used for light and power.
- > More than 48 kilometres of data cabling was laid.
- > 2,100 cubic metres of concrete was poured.
- > The structure contains 380 tonnes of steel.

