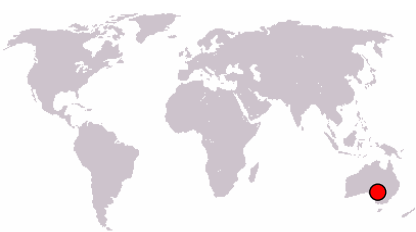


# BENDIGO BANK HEADQUARTERS



**Location**  
Bendigo, Australia

**Building type**  
New Commercial Office  
NLA: 13,336 m<sup>2</sup>

- Features**
- Green star office v1 5 star design certification
  - 2009 RAIA VIC Commercial Architecture Award
  - 2009 RAIA VIC Regional Prize

## Energy less than half the energy of typical office building utilising...

- One of the first large-scale applications of under-floor air-conditioning in Australia
- Displacement ventilation
- Solar thermal domestic hot water heating
- External sunshades, high performance glazing and Automated solar reflecting internal blinds

## Maintenance of high levels of thermal comfort utilising...

- Individual vent control for individual work stations
- Ducted vacuum system reduces dust particles left in the air
- UFAD allows for good air change effectiveness (CFD modelling)
- Fresh air rates increased by 50%

## Potable water saved utilising....

- Blackwater plant processes black and grey water to grade A, used for toilet flushing, surplus distributed to community use
- Rainwater collected for filtering and used in drip irrigation
- No cooling towers



Image: Perkins + Wills Architects

5 star rating

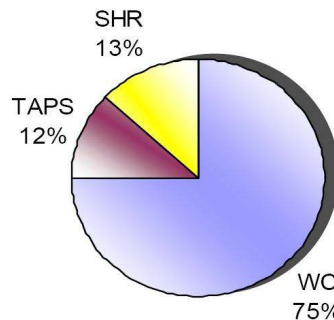


This rating represents Australian Excellence

High levels of indoor environmental quality



Water efficiency



Visible stairs reduces needs for lifts



UFAD allows for good air change effectiveness



CFD modelling to demonstrate air change effectiveness

