

18,000 km: Monodraught specified on the other side of the world

Natural Ventilation

- **Christchurch Bus Exchange**
- **Sector:** Export, Government
- **Distributor:** [Ellis Co](#)
- **Architect:** [Architectus](#)
- **Consultant:** [Aurecon](#)
- **Main Contractor:** [Southbase](#)
- **Location:** Christchurch, New Zealand
- Products installed (2015)
 - » 9 N° WINDCATCHER® Classic 155 systems



Aftershocks are still taking place following another 7.8 quake near Christchurch earlier in November, which has sadly caused further damage and loss of life.

Many also remember the devastating earthquake in New Zealand that occurred in February 2011 in Christchurch. The earthquake caused widespread damage across the area, killing 185 people. Christchurch's central city and eastern suburbs were badly affected, with damage to buildings and infrastructure already weakened by the magnitude 7.1 [Canterbury earthquake of 4 September 2010](#) and its aftershocks.

As part of the re-building programme the Christchurch Bus Exchange was commissioned by the Christchurch Central Development Unit. This was a considerable construction project with planning for future development taken into consideration.

9 N° WINDCATCHER Classic 155 Monodraught systems were installed to serve the passenger lounge with natural ventilation. The Windcatcher Classic introduces natural ventilation into the bus exchange and helps reduce CO₂ levels. This creates a more comfortable working environment for staff and passengers alike. It uses no fossil fuels by maximising the use of wind power and the natural stack effect of thermal buoyancy, combined with night time cooling using "free" cooling to the cool the fabric of the building.

Christchurch now has some of the highest rated sustainable buildings in [New Zealand](#), of which the Bus Exchange is one. This was borne out of a desire from both the local government and residents for the reconstruction work to be built with a greener ethos.

Monodraught were pleased to work with their distribution partner in New Zealand, EllisCo to deliver the solution. Monodraught work with a selection of partners across the globe to deliver low carbon natural and hybrid lighting, ventilation and cooling solutions. We design, manufacture and install our systems to create low energy, low carbon and sustainable buildings. To find out more about which countries we currently distribute to, please visit our [worldwide pages](#).

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