



Location	Barangaroo
Product	Active & Passive Beams
Scale	270,000 m2
Builder	Lendlease Building
Mechanical Engineer	NDY / Lendlease Integrated Solutions
Completion	2015—2017

In excess of 17,000 active and passive chilled beams have been supplied to the 127 floor levels of the three towers that comprise Barangaroo Towers, representing the single largest chilled beam supply contract in Australian history.

The project employs TROX type PKV passive chilled beams and VDW ceiling swirl diffusers in the center office zones, and TROX type DID632 active chilled beams in perimeter office zones. The system also benefits from the energy savings that result from primary air 'turndown' during periods of low load or reduced occupancy.

Exhaustive project-specific testing was conducted at TROX HQ climate test facilities in Germany to demonstrate system efficacy and optimal arrangement. It was also validated that excellent occupant comfort levels are realised throughout; a Class B environment to ISO 7730.



TROX Active Chilled Beam Perimeter Zone

TROX Passive Chilled Beam Centre Zone