

162 Victoria Street, West Auckland

Scope of Work

A 7,500 sqm GREENSTAR FOUR rated commercial office building opposite the new Telecom Building on Victoria Street West.

McAlpine Hussmann was engaged by Mansons TCLM for the DESIGN & CONSTRUCTION of an energy efficient air conditioning system for the building based on a design brief furnished by the client.



Engineering Features

- A 680kw Trane air cooled packaged chiller with variable speed driven pumping and distribution systems
- A Trane central fresh air handling unit (AHU) with variable air volume delivery serve the building floors. The amount of fresh air is modulated via floor mounted air quality sensors.
- The AHU is fitted with CHW coil and electric heating elements to suitably temper and control the supply air temperature.
- Trane CHW in-ceiling fan coil units (FCU) with electric reheat are used in the office space and are fitted with individual digital controllers.
- Inverter driven ducted split air conditioning units are used for the cafe and the foyer area.
- A fully integrated BMS control system with energy monitoring facility is installed with remote Web based access.

Statistics

Project Start: April 2011
Project Finish: December 2011 (Basebuild)
Value : \$1.55million