

## NZME House, 151 Victoria Street West, Auckland

### Scope of Work

NZME House is 18,600 sqm 5 Green Star rated twin tower office building with modern features and state of the art services.

The development consists of three basement parking levels and two 6-level office buildings. The two buildings are connected by a 20m high glass atrium extending upwards through all levels of the building, allowing convective ventilation and impressive views. Each storey contains an interlinking sky bridge spanning the atrium.

The building features high quality features across categories such as energy, water, indoor environmental quality, transport, materials, land use and ecology, emission management and innovation ensuring low environmental impact and better energy performance.

McAlpine Hussmann designed, supplied and installed the air conditioning and ventilation system for the building,



### Statistics

Project Start: August 2014

Project Finish: April 2016

Value: \$7.2million



### Engineering Features

- Each building has a centralised chilled water plant on the roof comprising three Trane air cooled package scroll chillers. One of the three chillers is a heat pump chiller suitable for both cooling and heating operation.
- Each building also has a centralised Trane Air Handling Unit (AHU) supplying fresh air to the floors (total of 30,000 l/sec) and is complete with a cooling/heating coil to adequately temper the incoming fresh air and supply air at a constant temperature throughout the year.
- Trane supplied in-ceiling fan coil units with chilled water cooling coil and electric reheat are used to condition the office space - a total of more than 300 fan coil units through the building, each with its own digital controller.
- For specific tenancies requiring 24/7 operation (e.g., broadcasting studios and newsrooms of NZME), separate heat recovery type VRF system are installed to serve designated areas.
- Jet Fans are used to ventilate the carpark along with a centralised extract system which exhaust the air to the outside.