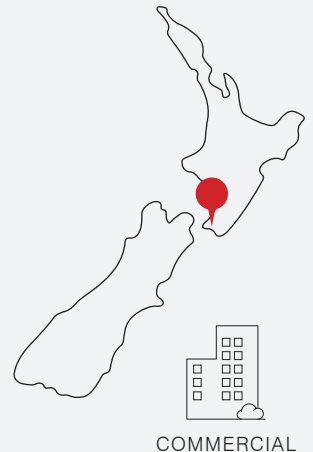


Project Showcase: Equinox House



WELLINGTON



Equinox House is prime office space in the centre of Wellington City, located on Lambton Quay's Golden Mile. This building backs on to The Terrace where Equinox IT houses their Wellington-based staff.

The Challenge

The client required Level 1 of the building to be modernised, including full replacement of the heating, ventilation and air conditioning system while maintaining occupancy on the remaining floors.

There was a need for an efficient system capable of simultaneous heating and cooling while observing client comfort and maintaining the exposed nature of the services while minimising the risk associated with refrigerant concentration issues. Therefore, the design and build contractor, Advanced Building Services, pursued a hydronic solution.

During the design phase there was limited space for outdoor plant with exposure to moderately salient air where corrosion issues were identified, leading to a requirement for a modular arrangement.



EQUIPMENT BREAKDOWN

- Ducted Units
- Cassette Units
- Hybrid Heat Recovery Outdoor Unit

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The Mitsubishi Electric Solution

The Mitsubishi Electric Hybrid System met the client's brief by providing an effective and comfortable air conditioning system in a cost and time effective manner. This allowed for the building and modernisation works to be undertaken in the timeframes given while also meeting the client's budgetary requirements.

Due to the limited space available for outdoor plant, coordination of structural building elements and space required for

maintenance and access demands, the PURY-YNW-A-BS was perfect for this application. This solution also accounts for the building's marine location being in the vicinity of Wellington harbour, with factory-applied marine corrosion protection of the outdoor unit components.

Full Equipment Breakdown

Total Capacity:

Heating Capacity: 45 kW

Cooling Capacity: 40 kW

Outdoor Units

1x PURY-P350YNW-A-BS Heat Recovery Outdoor Unit

Indoor Units

2x PEFY-WP125VMA-E Hybrid Medium Static Ducted Units

1x PEFY-WP80VMA-E Hybrid Medium Static Ducted Unit

4x PLFY-WP10VFM-E Hybrid Compact Cassettes

Branch Controllers

1x CMB-WP1016V-GA1 Hybrid Branch Circuit Controller

Controller

7x PAR-31MAA-J Wall Controllers

1x AE-200E Central Controller with BACnet/Ethernet Licence

Contractor:

