

AWHINA Learning Centre – WDHB North Shore

Scope of Work

The Awhina Conference, Learning and Research Centre is a new building located to the east of the main hospital building adjacent to the helipad.

The building is a two-level building containing a conference centre on the ground level, and medical research areas, training areas and offices on Level 1. The conference centre consists of learning rooms, a 225-seat lecture theatre and supporting spaces. The first floor contains learning rooms, a bio-mechanics lab, two clinical skills training rooms, equipment store room and offices.

MHL was the successful tender for this work, and completed further detailed design, supply and installation of the Air-conditioning, ventilation and heating equipment to all the areas of the complex.



Engineering Features

- 300 kW – Climaveneta 4 pipe heat recovery chiller installation to simultaneously provide chilled water and hot water to the air handling unit and all the Fan Coil units
- 1 x Clever dual-purpose AHU for supply air and exhaust air duties, incorporating air filters, heat recovery wheel, CHW coil, HHW coil and provision for Odour removal filtration at a later stage
- 15 x Ability Matrix fan coil units with CHW and HHW coils, per zone separate supply air fans plus their own individual on board control system
- 3 x Inverter Split System Air conditioners for projector room and IT room
- 9 x CHW and HHW water pumps
- Full Siemens Building Management System linked back to the Main Hospital wide BMS.

Project Highlights

Project Start: mid – 2016

Project Finish: May 2017

Value: \$1M