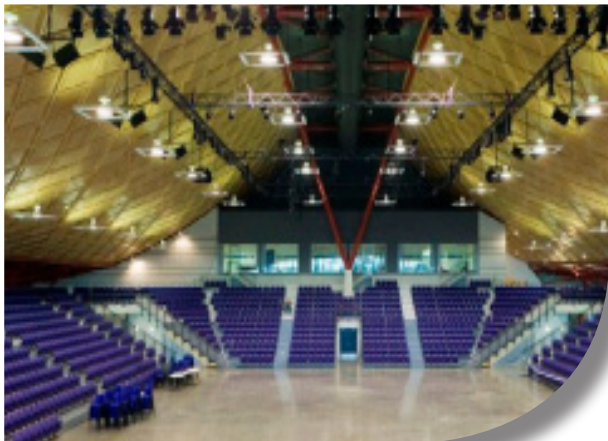


TelstraClear Pacific Events Centre, Manukau City

Scope of Work

TelstraClear Pacific Events Centre is a multi-purpose events centre in Manukau. The centre is designed to represent the journey taken by all who arrive in Manukau - the exterior truss symbolises the Waka.

The scope of works for McAlpine Hussmann - to provide all HVAC services for the complex.



Engineering Features

The Events Centre has two main areas:

- Sir Woolf Fisher Arena - an indoor sports arena able to hold 2500 people
- Genesis Performing Arts Theatre with a seating capacity of 700.

We supplied a fresh air ventilation system for the arena, all construction for the system was installed via a specially-built "cage" at a working height of nearly 15 metres.

The Performing Arts Theatre was fitted with a replacement air conditioning system with conditioned air supplied from diffusers installed under each seat.

Project Highlights

- The 1250mm diameter ducting system for the main arena is suspended from the roof trusses at a height of approximately 15 metres.
- The ventilation fans and silencers are installed on the roof following its sloping profile and merging with the unique architecture.
- The theatre air conditioning incorporates displacement air distribution via supply air diffusers under the seats.