

Sky City VIP Gaming Facility, Auckland

Scope of Work

In a major focus on the Asian gaming market, Sky City Auckland decided to upgrade and extend their hotel facilities to add VIP gaming, salon suites, rooms and a restaurant.

As part of the plan, the existing swimming pool on level 5 was converted as an extension of the hotel floor housing the VIP gaming suites and accommodation, and an extra floor (level 6) added for a full service VIP restaurant and a covered outside deck. The project was readied in a record time before the opening of the Rugby World cup.

McAlpine Hussmann was engaged by Hawkins Construction as the HVAC service provider for this extended facility.



Engineering Features

- Connecting into Skycity's central chiller and boiler system. Cold tapping (freezing) was used to eliminate shutdown of the running systems and minimise disruptions.
- Modification of the existing services such as toilet ventilation risers were to be carried out to suit the new layout with minimum (3-6hour) shutdown period for change-over.
- EIGHT roof mounted fresh air handling units supply filtered and tempered air to various spaces across the two floors - five and six.
- The rooms are served by four-pipe fan coil units and the restaurant floors Variable Air Volume Boxes.
- The installation includes the restaurant kitchen exhaust systems, future proofing and extension of existing service ducting and other miscellaneous ventilation systems.
- A digital control system with energy monitoring facility is installed integrated with the existing Sky City BMS system.

Statistics

Project Start : February 2011
Project Finish : September 2011
Value : \$1.95million