

## Orbit Revolving Restaurant, Sky City, Auckland

### Scope of Work

Part of the new casino in Auckland's CBD - Sky City - includes a revolving buffet restaurant. The restaurant is situated on the 53rd level of the Sky Tower.

McAlpine Hussmann's involvement in the Sky City project included:

- Supply and install HVAC services for the restaurant
- Supply and install exhaust and supply ventilation for the kitchen and cooking areas.



### Project Highlights

A major engineering feature of this project was the height at which the work had to be carried out.

- The plant and equipment had to be installed 200m above ground on the Level 54 roof.
- Special safety and access provisions had to be made due to the height and potential exposure to radioactive emissions
- The HVAC plant received chilled and low temp hot water from the Sky City Mains. A 'cold tapping' cut-in connection had to be carried out in the night.

### Project Highlights

- Inclement weather and wind played a large part in restricting hours of work, placing challenge and pressure on the completion programme.
- All major plants and equipment had to be disassembled for vertical transport in access lifts. Careful planning was required on a daily basis to avoid down-time and delay.