

## IBIS Hotel, Wellington Central

### Scope of Work

IBIS Hotel owners Accor took an existing nine storey building and converted it into a centrally air conditioned 200-room hotel and restaurant.

McAlpine Hussmann's role in the conversion was to supply:

- the design of HVAC services and coordination for the entire building;
- the central air conditioning system for accommodation, public and BOH areas;
- Kitchen ventilation system;
- CarPark ventilation system.



### Engineering Features

A large part of the design features in this project centred around fitting air conditioning into an existing building. The building is more than 40 years old and had been in use as an office premises.

The installation included:

- 1200 sqm of ducting;
- A 600kW air cooled chiller;
- Fresh air handling units;
- 215 fan coil units for rooms and common areas;
- Exhaust fans for the kitchen and the carpark;
- Smoke control and management system;
- Central BMS control system.

### Project Highlights

- We had full design and build responsibility.
- Design and engineering were restricted by the pre-existing building.
- Limited services space and restricted time made it a challenging job to co-ordinate.
- Work was undertaken 3 floors at a time.