

**Building Type**

Hotel-Hospitality

**Size**30,000 m<sup>2</sup>**Estimated Cost**

Not Available

**Project Highlights**

- 5400 kW Cooling load. ETS from Central Cooling Plant within the Landlord premises.
- 650 FCU's
- 15 AHU's for Restaurants, Kitchen, F & B & Central Atrium.
- 40 m<sup>3</sup>/sec L/S Ventilation fresh air with total enthalpy based energy recovery from general extract.
- 16 m<sup>3</sup>/sec total Kitchen extract.
- 15°C Domestic Potable Water Supply for Legionella Control.
- LPGas System with 2 x 40 kW Vaporizers for kitchens.
- Gas fired central hot water generation.
- 1250 kVA Standby generator.
- 5 MW Total Connected Load (excluding Chillers) provided with 4 transformers.
- Centralized Guest Room Management System
- Intelligent, addressable lighting Control & Management
- FM 200 Fire Suppression System for Electrical Rooms.

**Architect / Client**

BSBG / JA Park Resorts



This iconic 5-Star Hotel used innovative fast track techniques for a rapid completion, ready for operation, within 24 months. The MEP installation followed suit with “off-site” fabrication of modules by Contractor to be “plugged-in” on site only for almost all hydraulic, air and power services reticulation.

Rough-in riser trees as well as horizontal corridor distribution was all delivered in trailer length sections and fitted in place using Victaulic couplers and other techniques to almost eliminate in-situ welding, insulation etc.

Off-site work ensured close supervision and with very high QA/QC provided a state-of-the-art addition to Dubai hospitality sector.

