

# CITY CENTRE, MUSCAT



## PROJECT PROFILE

The Largest Shopping Mall in Sultanate of Oman, with Carrefour Hypermarket and Major Anchor Stores, Multi Cuisine Food Courts, Magic Planet and Multi-Storyed Car Parking for 2000 Cars.

#### **Project**

Muscat City Centre Phase-I and II

#### Location

Muscat. Sultanate of Oman

#### Client

Majid Mohamed Al Futtaim

#### **Project Manager**

**MACE International** 

#### Consultant

Holford Associates / W.S. Atkins International & Co.

#### **Main Contractor**

Carillion Alawi LLC

#### **Salient Features**

Complete M&E services including infrastrcuture/utilities such as Central Chiller Compound, 33/11 kV Primary Sub-station for a 60,000 sqm retail development with Carrefour Hypermarket and Major Anchor Stores, Magic Planet, Multi Cusine food Courts etc and Multi Storyed Car Park.

#### Scope of Work

- 4250TR Centrifugal Chiller installation comprising of 5 sets of 850TR Carrier Chiller and Marley Quadra flow Cooling Tower
- Primary and Secondary Chilled Water Pumping System with VFD Control
- 110 Nos. Air Handling Units for the Land lord areas and 300 Nos. Fan Coil Units for Tenant areas
- 50,000 sqm of ductwork
- Smoke extract duct work for the Mall areas
- Building Management System (BMS)
- 33 kV/11 kV sub-station on a Design & Built basis Capacity 2 x 20 MVA
- 11 kV Switchgear / RMU, 11 nos. of 1500 kVA / 8 nos of 1000 kVA transformers, 1500 kVA and 900 kVA DG Set, Main Panel, Sub-main panel, MCC including VFDs
- Lighting and small power installation
- Dimming and Lighting Control System
- Centralised Emergency Battery Backup system
- CCTV System
- Public Address and Background Music system
- Telephone and Intercom System
- Sewage Treatment Plant of 200 cubic meter capacity
- Complete plumbing and drainage installation.
- Fire Fighting installation including supply and installation of Wet Riser, Hose Reel, Sprinkler and Fire Alarm System.





A view of Shopping Mall



Air Handling Units



**Cooling Towers** 



Condenser Water Pumps

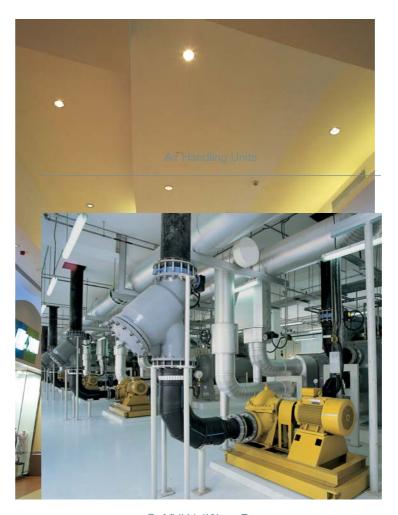


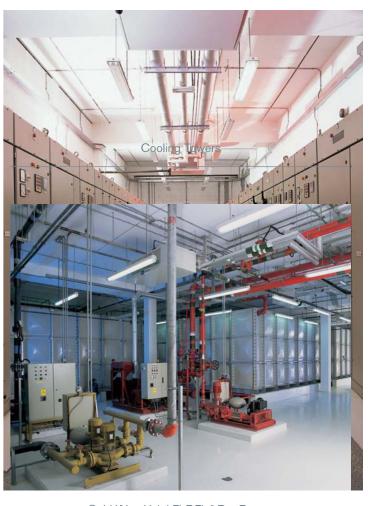
Cold Water and Fire Fighting Pumps



Mechanical and Electrical Services for City Centre - Muscat







Water Cooled Centrifugal Chillers Cold Water Valta Ger Paringh Rough Plumps



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### **CORE ACTIVITIES**

Oil, Gas & Power Projects

Electro-Mechanical Services

**District Cooling** 

**Civil Construction** 

**Electrical Projects** 

Facilities Management & Maintenance

Elevators & Escalators

**Diesel Power Generation** 

Water & Waste Water Projects

**Electrical Products** 

**Mechanical Products** 

Chemical & Industrial Products

#### **BAHWAN ENGINEERING GROUP**

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