

Building Type

District Cooling Plant

Capacity:

120,000 Tons

Service Provided

Prime Consultant
Detailed Engineering of all services plus architecture & structure via sub-consultants

Project Highlights

- Two (2) 60,000 TR DCP systems
- 5,500 TR chiller modules in series counter-flow configuration
- Primary/variable speed chilled water pumping configuration
- Field erected FRP counter flow cooling towers
- SCADA architecture for PLC based plant control.
- ETS's with plate & frame heat exchanger
- Electrical sub-station transformers 3.3 MV / 11-3.3 KV

Client :

Empower



City of Arabia is a 3.8 million m² mixed use development to be built in Dubailand. The development comprises of "The Mall of Arabia", "Restless Plant Dinosaur Park", "Wadi Walk", as well as several commercial and residential towers. The 120,000 TR central District Cooling Plant will deliver chilled water to the entire City of Arabia.

Two (2) 60,000 TR capacity plant will operate with high efficiency chiller modules; custom field erected cooling towers & state of art SCADA communication system

Mario Associates and their business partners, M/s. Vanderweil Engineers of Boston USA are the Prime Consultants and are responsible for all aspects of the MEP engineering design and the overall construction management support.

