

Business Bay Executive Towers

District Cooling Plant, Dubai, U.A.E.

Building Type

District Cooling Plant

Size

40,000 Tons

Estimated Construction Cost

AED 230,000,000

Project Highlights

- Nine (9) chiller module of 4,400 TR each
- Ten (10) cooling towers, field erected
- SCADA for process control & BAS for within plant MEP equipment & system monitoring and full control
- Thirteen (13) ETS rooms form a part of project scope.
- Seven (7) km of network piping connecting ETS rooms to this Central Plant
- 44 MV power with 11 KV/3.3 KV transformers and distribution to power major equipment

Client/Architect

Emirates Central Cooling Systems Corporation (EMPOWER)



EMPOWER entrusted Mario Associates and their business partners Vanderweil Engineers with the design & supervision of seven (7) chilled water network with the 40,000 TR District Cooling Plant.

The District Cooling Plant serves the mixed use high rise buildings and towers in the Business Bay area of Dubai. The network supplies chilled water to various buildings on the South-West side of Business Bay via ETS rooms installed within each building.

Both Mario Associates & Vanderweil Engineers, together, are the Lead Consultants and responsible for the mechanical and electrical engineering systems design and post contract supervision and construction management

