

Building Type

Warehouse + Office, Commercial

Size

33,000 m²

Estimated Cost

Not Available

Project Highlights

- 3,000 kW air cooled Chillers
- Central Drinking Water System
- VAV based office cooling
- 15,000 L/S conditioned fresh air
- 2,500 gpm Fire Fighting Pumps
- Over 30 pumps
- Over 30 Smoke Management System with reversible fans
- Sitewide storm water management system
- On site STP with reuse of TSE

Architect / Client

Kling Consult / AW Rostamani



Client requirements of sustainable cost effective design, with ease of operation & maintenance, overseen by Client's own professional staff ensured final design that exceeds DM Al Sa'fat regulations.

On site blackwater treatment provides treated effluent for irrigation.

On site generation of Chlorine taste free, conditioned to 6°C, sterilized drinking water generated by filtration system feeds drinking water requirements of 200+ full time staff employed.

Entire warehouse air conditioned ensuring no condensation on surfaces at 28°C design indoor comfort conditions with offices at 24°C.

E-vehicle battery storage with full fire protection meeting current International Standards.

On site sustainable management of storm drainage with use of SuDS to convey all surface water, attenuate runoff before infiltration & final disposal with no discharge outside plot limits.

Mario Associated, as MEP sub-consultants to Kling Consult, provided the entire MEP, Fire Fighting, Drinking water, Drainage, STP and ELV design services.

