Electromechanical Engineering Design

Services:

- HVAC Systems
- Plumbing systems (Water Supply, Drainage and Storm systems)
- Firefighting and Fire Alarm Systems
- Mechanical systems (Compressed Air, Industrial Gases, Steam & Condensate, Medical Gases, Fuel Oil and Fuel Gases)
- Electrical systems (Lighting, Power, Earthing, Lightening, …etc)
- Light Current systems (CCTV, Security, Access Control, Triple play, …etc)
- BMS (Building Management Systems)
- O & M Manuals
- Dry Infrastructure Networks (MV, LV, Light Current)
- Permits (Civil Defense, …etc)
- BIM

Codes and Standards:

- ADDC (Abu Dhabi Distribution Co.
- AIA
- API
- ANSI
- ASHRAE Standards and Guidelines
- ASME
- ASPE
- ASTM
- BICSI
- BS
- CIBSE
- DEWA
- EIA
- EFC
- EPC
- ETSI
- NFPA
- FM Global Data Sheets
- GSAS
- HCIS
- HTM
- IBC
- IECC
- IEEE
- IESNA
- IFC
- IFGC
- IPC
- IMC
- ISO
- ISPSC
- ITU
- Kahramaa
- NEMA
- NEC
- NPC
- NSPC
- NTRA
- QCD
- SBC
- SEC
- SEWA
- TIA
- UAE–FLSC
- UAE–Smoke Management
- UPC
- USEC
- USPC

Electromechanical Engineering Design Continued

Software:

- ASHRAE Psychometric (HVAC)
- ASHRAE Duct Fitting (HVAC)
- AutoCAD (Drawing) and Revit (Drawing)
- Bentley SewerCAD
- Bentley StormCAD
- Bentley WaterCAD
- Carrier, HAP (HVAC)
- Carrier Refrigerant Piping Design (HVAC)
- CALC– RITE
- Calculux V5b (Electrical)
- DIALux 4.1 (Electrical)
- Docwin (Electrical)
- Ducab (Electrical)
- Duct Sizer (HVAC)
- Easy street (IEMCO) (Electrical)
- Elite–Fire (Firefighting)
- Elite – CHVAC
- Elite – RHVAC
- Elite – HVAC tools
- Elite – Ductsize
- Ecodial3.3 (Electrical)
- EGY LUX Lighting (Electrical)
- ETAP
- Generator size (Cummins Power Suite)
- Heat Recovery
- Helioscope (Solar PV design)
- How Much (HVAC)
- HVAC Noise (HVAC)
- Navisworks
- Pipe Flow Expert (Firefighting, Plumbing and Piping Systems)
- Pipe Sizer (HVAC)
- Phillips Lighting (Electrical)
- PVsyst (Solar PV design)
- Strike Risk V2.0 (Electrical)
- Siteco–Siemens (Electrical)
- SIMARIS