

PROJECTS HANDLED

Objectives:

- Requirement analysis, I/O list generation, product selection, Estimation and Quote
- Design, Programming, Testing and Commissioning of Motor Control panels used for various applications like Domestic Water Supply, Sewage Treatment Plants, Water Features, Swimming Pool, RO Plants, HVAC system, Fans, Motors, AHUs etc.
- Design, Flow-Head Calculation, Selection of pumps through Wilo(Germany), Armstrong(UK), Sulzer(Switzerland), Grundfos(UK) and DP(Netherlands) software for various applications like Domestic Water Supply, Sewage Systems and Treatment Plants, HVAC system like Chilled Water System, Irrigation systems, Circulation systems etc
- PLC & Variable Frequency Drives(VFD) programming and HMI screen development
- Supporting assembling team for wiring connection of PLC, VFD & HMI
- Coordination with multiple project disciplines for the submission of technical submittal comprising of compliance statement, input-output point schedule, system/network architecture, bill of materials, control schematics, wiring diagrams, design, programming and testing.
- Programming and Commissioning of Variable Frequency drives, PLC and HMI.
- Integration of the system with BACS or BMS through communication protocols like Modbus TCP/IP, BACnet etc
- Testing at Factory and coordinate with client and get approval.

PROJECTS HANDLED	
Project	Work/System Handled
QATAR RAIL – RED LINE METRO(8 Stations) - A Government Entity - 2017 to 2019	System - Sewage Water and Domestic Water Supply Design, Programming & Commissioning : Pump selection/calculation, Sulzer PLC, ABB ACH VFD, Schneider Electric Zelio PLC
QATAR RAIL – GREEN LINE METRO - A Government Entity - 2018	System - Domestic, Irrigation and Sewage Water Pumps Design, Programming & Commissioning : Pump head and flow calculation and selection, Siemens LOGO PLC & HMI
Qatar Petroleum - State-owned Public Corporation - 2019	System - Domestic Water Booster Pump Programming & Commissioning : Siemens LOGO PLC & HMI
Qatar National Museum - A Government Entity 2019	System - Water Feature System, Irrigation System, Fans, Override systems Design, Programming & Commissioning : Siemens SINAMICS V20, PLC SIMATIC S7-1200, SIMATIC HMI, KTP1200 Basic 12, Irrigation pump selection.
Msheireb Downtown Doha - 2017 to 2019	System - MCC panels, Supply and Exhaust Fans, AHUs, Water Feature and Swimming Pool panels Programming & Commissioning : Siemens LOGO PLC & HMI, ABB ACH VFD, Schneider Electric Altivar 312, 61 VFDs & Zelio PLCs
Mall of Qatar - 2016 to 2017	System - Water Feature and Swimming Pool Programming & Commissioning : ABB ACH VFD, Schneider Electric Zelio PLC
Viva Bahriya Buildings, Pearl Qatar - An ongoing project of UDC- 2016,2017,2018,2019	System - Chilled Water System Programming & Commissioning : Selection of pumps as per the requirement, ABB ACH VFD, Schneider Electric Zelio PLC, Danfoss VLT series VFD, Integration with Qatar Cool SCADA system
Qanat Quartier, Pearl Qatar - 2018	System - Air Handling Unit Programming & Commissioning : ABB ACH VFD, Integration with SCADA system, PID setpoints and scaling
Al Bidda Park - A Government Entity - 2018	System - Water Feature and Swimming Pool, Irrigation system Programming & Commissioning : ABB ACH VFD, Schneider Electric Zelio PLC. Selection of split case pumps for irrigation system and centrifugal pumps for booster system.
Qatar Foundation(Qatar Faculty of Islamic Studies, College of Media & Communication, QF Golf Course) - A	System - Water Feature and Swimming Pool, Domestic Water system Programming & Commissioning : ABB ACH VFD, Schneider Electric Zelio PLC, Danfoss VFD, Pump flow/head calculation and selection
Fifa Training Grounds for 2022 FIFA WORLD CUP (11 Practice/Training Stadiums) - 2018	System - Domestic Water system Programming & Commissioning : ABB ACH VFD, Schneider Electric Zelio PLC, Pump and Heater selection.
Al Rayyan Stadium for 2022 FIFA WORLD CUP - 2018	System - Sewage Water Treatment Programming & Commissioning : Schneider Electric components, I/O list generation, Pump set selection
RO Plants	System - RO plants Programming & Commissioning : ABB ACH VFD, Schneider Electric Zelio PLC, Siemens LOGO PLC & HMI
Various Commercial and Industrial Applications including Govt and Semi Govt Projects	Designing, Programming and Commissioning of MCC Panels, Domestic, Chilled, Sewage water pumps Selection of pumps, Designing of system as per requirement, Troubleshooting and Servicing I/O schedules and BMS/BACS integration and control.
Various Hotel Projects – Marriott Hotel, Hilton	System - Various(Supply and Exhaust Fans, AHUs, HVAC systems, Domestic and Sewage Water System etc)

**Various Hotel Projects - Marriott Hotel, Hilton,
Regency Group Hotel, Ezdan Hotels, Fraser
Suites, Time Rako Hotel etc**

Programming & Commissioning : VFD(ABB,Schneider Electric, Danfoss), PLC(Schneider Electric, Siemens, Sulzer), HMI(Siemens), PID setpoints and scaling, Pump selection, Pumpset calculation and designing, Heater selection.