



D.RAJKUMAR

Instrumentation and Control Engineer

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MMUP/UPDA Approved

MANAGEMENT PROFESSIONAL PROJECT LEAD / PROJECT MANAGEMENT OPERATIONS & MAINTENANCE / INSTALLATION & COMMISSIONING

Skilled in designing Automation & Control Systems involving logic development, configuration, programming and testing of Human Machine Interface while preparing technical drawings, wiring drawings, field termination charts, installation procedures and documents based on the functional specification and site requirements

Professional Qualification

Diploma of Electrical and Electronics Engineering
Bachelor of Electrical and Electronics Engineering

Additional Qualification

Plc, Scada, Vfd , DCS Automation course

12+ YEARS EXPERIANCE

Since July'19	Metito Overseas, Qatar	Instrumentation & Control Engineer
May'17 to May'19	Delta International, Qatar	Instrumentation & PLC Engineer
Mar'16 to Apr'17	ABI Instruments, Chennai/Qatar	Team Leader [PLC, Scada, Instrumentation]
Jun'12 to Mar'16	Multivista Global ltd, Chennai	Sr. Scada Engineer
Jun'08 to May'12	Bentech Automation, Chennai	PLC, Scada, Network, Engineer

SYSTEM SKILLS

Hardware

- Schneider [PLC,PMU]
- Siemens PLC
- AB[Rockwell]
- TBOX RTU
- Rockwell Drives
- ELV systems

- CCTV
- Fire Alarm System
- Sick & Motorola and Cognex barcode Scanner's

SOFTWARE [Programming]

- Schneider-Unity Pro, Control expert, Machine Expert, Power Monitoring Expert, Citect Scada 2018 R2
- Siemens-STEP7. TIAPORTAL
- Rockwell-RS Logix 500 and 5000, CCW
- Rtu's-Twin Soft
- Emerson-DELTA V

HMI/SCADA

- FT View SE & ME,
- RSView 32, Panel Builder.
- wincc,
- Citect, Viejo Designer
- Wonderware.

Analyzers & Transmitter Hardware

- Analyzers [PH, DO, Turbidity, Chlorine]
- Flow transmitter
- Level transmitter

COMMUNICATION PROTOCOL

- Ethernet & Modbus Rs485&TCP/IP, Profibus, GSM, Control Net, Device Net.

PROFILE SUMMARY

- Sound experience in leading **Project, Maintenance, Operations & Commissioning Activities.** involving resource planning, in-process inspection, team building and coordination with internal/external departments for smooth operations.
- Extensive **knowledge of structuring & programming** PLC and SCADA,DCS software, Installation, Calibration of Analyzers and Transmitters and Conducting **FAT/SAT** and Commissioning, documentation Activities.
- Capabilities in **designing layout, making, reviewing & approving engineering drawings,** technical specifications, and cost estimates for Instrumentation & Commissioning activities.
- Proficient in **leading techno-commercial functions** with proven skills in enhancing operational effectiveness; managed purchase functions through identification of cost-effective vendors/suppliers.

- Lead a team of commissioning engineers in carrying out **Pre-Commissioning/Commissioning & Start-up activities**. Provide necessary technical information for the other disciplines during the project. Coordinate the work within the budgeted man hour and project schedule.

CURRENT PROJECTS:

Project	: Ummsalal Pumping station
Client	: Ashghal
Units	: Pump unit, Surge vessel, OCU, Electrical ATS system, PMU.
Instrument's	: LT, FT
Controls Configuration	: Schneider Electric M580 plc and M221, Redundancy configuration ,
Software	: Control Expert, Machine expert, Citect scada
Communication	: Ethernet, Modbus RS485 & TCP/IP communication

HANDED OVER PROJECTS:

Project	: Sewage Treatment Plant
Client	: Qatar Raslaffan Olefins company [Qchem]
Units	: Bioreactor, Equalization tank, Air blower, chemical dosing system, UV unit, Self-cleaning filter
Instrument's	: PH, Turbidity, Chlorine, DO and LT, FT, TT, UV package
Controls Configuration	: Schneider Electric M580 plc, Redundancy configuration ,
Software	: Schneider Electric Unity pro- programming software, Yokogwa Scada
Communication	: Ethernet, Modbus RS485 communication

Project	: Dukhan STP Plant [Sewage Treatment Plant]
Client	: Qatar Petroleum.
Units	: Mechanical Screen, Backwash Filters, UV, Sludge Treatment
Instrument's	: PH, Turbidity, Chlorine, DO and LT, FT, TT, UV package
Controls Configuration	: Rockwell PLCs[Control Logix] and Rockwell Scada [FTV]
Communication	: Ethernet, Modbus, RS232 communication, Networking Switches.

Project	: WRR Plant 1 & 2 [Wastewater Reduction and Recycle]
Client	: Qatar Gas.
Units	: Oily water deoiler, NSF, MBR, ACF, sand filter, RO, lamlella separator, oily water centrifuge, bio sludge centrifuge
Instrument's	: PH, Turbidity, Chlorine, DO and LT, FT, TT, UV package
Controls Configuration	: Schneider Electric PLCs [140 CPU]
Software	: Unity Pro, and Emerson Delta V Scada
Communication	: Ethernet, Modbus, RS232 communication, Networking cisco routers.

Project : **Pumping Station and CENTRAL SCADA Upgradation**
Client : Ashghal – PWA, Qatar.
Controls Configuration : Wonderware Scada, RTU, Siemens PLCs, Schneider Electric PLCs[M580],PMU,CCTV.
Communication : Ethernet, Profibus, Gateway, mobile communication.

Project : **Safety System Monitoring for Sulphur storage unit**
Customer : QAPCO, Qatar
Hardware Configuration : Siemens – S7-400H[SIL3] & Compact Terminal,
Communication : Ethernet & Profibus,

Project : **Pumping Station [PS44]**
Client : Ashghal – PWA, Qatar.
Instrument's : LT, FT, TT, UV package
Controls Configuration : Citect Scada, TBOX RTU, Schneider Electric PLC[580]
Communication : Ethernet, mobile communication.

Project : **Pumping Station [PSW6]**
Client : Ashghal – PWA, Qatar.
Instrument's : LT, FT, TT, Annunciator
Controls Configuration : TBOX RTU, Schneider Electric PLC,PMU
Communication : Ethernet, mobile communication.

Project : **Fire Water Pumping Station**
Customer : Galfar, Qatar
Hardware Configuration : Schneider 580 Series [Unity Pro & Vijeo designer]
Communication : Ethernet

Project : **Foul A&B- Pumping Station**
Customer : Galfar, Qatar
Hardware Configuration : Siemens S7-400 Series system
Communication : Ethernet & Profibus

Major projects in India

Project : **CCM2-Cell culture manufacturing plant 2**
Customer : M/s. Dr. Reddy's Laboratory.
Controls Configuration : ControlLogix – Redundancy, Factory Talk SE (Historian), HMI-S7200
Communication : Ethernet, Profibus, Gateway, Wi-Fi mobile communication.

Project : **Silo batching systems**
Customer : M/s.Neutrine Confectionery.
Controls Configuration : SLC, RS View 32 works
Communication : Ethernet, Rs232

Project : **Process Line automation & Logistics**
Customer : M/s.Dell India Pvt limited.
Controls Configuration : Control logix, Factory Talk SE, Sick, Cognex, Honeywell
Communication : Ethernet, Rs232, Device net

Project : **M/s. NIOT [National Institute of Ocean Technology]**
Application : Desalination plant
Controls Configuration : Control Logix, Factory Talk SE & ME,
Communication : Ethernet

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Place:

Date:

(D.RAJKUMAR)

Appreciation Certificate from Qatar Gas

