

RETHEESH C B**Electrical & Control system Engineer (PLC, SCADA/HMI, VFD)***Tip Top Laundry building**Near WTC mall**Liwa street**Abu Dhabi**E-mail: cb.retheesh@gmail.com****Mob: 971 569738631 available in Abu Dhabi*****OBJECTIVES**

To undertake more responsible and challenging position in Electrical & Control system Engineering and improving my technical and analytical skills with innovative technology.

PERSONAL DETAILS

Father's Name	: Bhaskaran P G
Date Of Birth	: 19-Mar-1983
Nationality	: Indian
Marital Status	: Married
Passport No.	: V6881087
Date Of Issue	: 11-Mar-2022
Date Of Expiry	: 10-Mar-2032
Mob.	: 971 569738631
E-mail	: cb.retheesh@gmail.com

Experiences: total 14+years

- 1. Maritime Montering Norinco, HQ Romania.** : since 10-Apr-2017 onwards
Position: Asst. Manager Electrical @ Cochin, India
- 2. KramerAlbrecht LLC, Abu Dhabi, UAE** : from 2016 Jan to 2017 Mar
Position: Electrical Engineer
- 3. Chalmers Marine Engineering, HQ Dubai, UAE** : from 2009 May to 2015 Dec
Position: Electrical Design Coordinator @ Cochin, India
- 4. Bilt Middle East LLC, Dubai, UAE** : from 2006 Dec to 2009 Apr
Position: Electrical Draughtsman

Brief about Experiences**Electrical system Designing:**

- Power system analysis (Load flow Analysis, Fault level calculation & Short circuit analysis) using ETAP software.
- Power system stability control and analysis.
- Load forecasting & load schedule preparation.
- SLD and control schematic preparation for electrical distribution system.

- Switchgear design-fabrication, control panel design-fabrication
- Voltage drop calculation, breaker selection, grading of breaker, current setting & time setting of breaker
- Transformer/Generator protection system design (differential protection, anti-pumping relay protection, over current, under voltage, loss of excitation etc.)
- PLC, SCADA/HMI programming, hardware wiring, Testing and its control loop diagram, P&ID, hook-up drawing etc. Design
- Embedded programming "C" for microprocessor, microcontrollers and firmware.
- Control system I/O list preparation, data sheet preparation etc.
- Technical report writing.
- Vendor document/drawing review, data sheet preparation, technical evaluation of supplier drawings.

Installation & Commissioning:

- Installation and commissioning of distribution Transformers, Generators, LV/MV switchgears, chiller plant, AHU, Smoke & Fire Damper control panels,
- Hydraulically operated load bearing mechanism/elevators and its electrical control systems commissioning
- PLC based controls, SCADA/HMI, Commissioning experience on transformer and generator protection, such as differential stability tests, restricted ground fault operation and stability testing etc.
- Field instruments (RTU, TT, PDT, Flow Sensor, level sensor, limit switch, proximity sensor, Humidity Sensor etc) installation and system integration.

Maintenance, Testing & Operation:

- Relay testing, Control panel testing, Loop checking, Insulation resistance checking,
- Operation and monitoring of DG sets, Chiller plant, Substation 33KV,
- Trouble shooting skills, analytical ability to evaluate electrical fault recordings as part of fault investigations and root cause analysis etc.
- Synchronization of generator to bus system
- Active and Reactive power flow control of generators.

Industrial Automation:

- PLC programming (Siemens, AB & ABB, DELTA),
- SCADA/HMI (INTOUCH, WINCC, WONDERWARE) system development,
- PLC control panel wiring, Field instrument & RTU wiring etc. for Oil & Gas Refinery projects,
- VFD, MCC, switchgear & Control panel etc.
- GPS clock system design, installation & commissioning for Marine vessels etc.

Product handled

- Siemens make PLC SIMATIC S7-200, S7-300, S7-1200 Series PLC.
- Allen Bradley make PLC Programming software-RSLogix 1000, RSLogix 500 and RSLogix 5000.
- Allen Bradley make HMI development software Panel Builder.
- Allen Bradley AC drive 1305, 1335, 1336 and flex40.
- SCADA; Intouch, winCC, RS view etc.
- Variable Frequency Drive (VFD)
- Numerical relays, MMR etc.

Major Projects:

- Takreer refinery projects (Abu Dhabi Oil Refining Company)
- Wind mill offshore substation 400MW
- Indian Navy Ship Vikrant (Air craft carrier),
- Passenger ships 500pax 2nos,

Education

1. **BE/Btech equivalent degree- AMIE electrical Engineering** in 2016 Dec
Section A and B with CGPA 7
Institution of Engineers India, HQ Kolkata
2. **DIPLOMA in electrical Engineering**, in 2001 Apr.
With 70% marks
Kerala Govt. Polytechnic, Kozhikode

Training & skills

Software skills

- PLC programming
- SCADA/HMI system development
- AutoCAD drafting software
- Revit MEP
- ETAP load flow analysis software
- MS office

Electronics & Communication skills

Electronics: Electronics Devices and circuits, PCB making trouble shooting, power supply unit assembling etc.

Communication: RF, RS485, MODBUS, PROFIBUS, PROFINET, TCP/IP, Satellite communication, RADAR, Radio etc.

Declaration

I hereby declare that the details given above about me are true and correct to my best knowledge and belief.

Retheesh C B

10-05-2022