

ANKIT MAHESHWARI

Sr. Instrumentation Engineer

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Navi Mumbai

RESUME SUMMARY

Result Driven executive with 12+ yrs. experience in Instrument, Control, and electrical Engineering and Design in Onshore and Offshore, Oil & Gas and EPC.

CAREER OBJECTIVE

Seeking a responsible career position, which will offer a high level of challenge responsibility and opportunity to contribute significantly to the growth of the organization by experience on costing and administration as well as an individual development of additional skills.

TECHNICAL SKILLS

- Knowledge of International Code and Standard.
- Vendor Data Evaluation and Technical Recommendation/Approval of Vendor Proposals.
- Expertise in conducting reviews and preparation of engineering documents like (data sheet, loop diagram, hook up, P&ID, Instrument Layout, isometric drawing, fire & gas plot plan).
- Expertise in preparation of IO List, cable Schedule, instrument Index, cable Block Diagram, termination schedule.
- Hands on experience in carrying out function test as per operations procedures related to ESD, F&G and DCS control systems.
- Participate in the Model review.
- Engineering coordination, Project Management.
- Guiding team Design & Drafting members and responsible for output.
- Prepare RED line drawings of Instrument loop drawings during lop test, guiding supervisors during loop test and package function test and trouble shoot, coordinate with vendor system Engineers to implement any required changes in logic drawings.
- Verification of DCS interface with other vendor packages and its compliance as per project specification.
- Having adequate experience in performing Relay logic wiring modification and OTP function testing.
- Having experience in making technical bid evaluation and vendor document review.
- Knowledge of FSPO in design.
- Software Knowledge SPI Intools, Intru-calc, Fisher control Valve Sizing, Auto-cad.

SOFTWARE KNOWLEDGE

- User Level of SPI Intools (Smart Plant Instrumentation). System and Project Administration Overview.
- Instrument Index, Process Data, Specification, Wiring, Loop Diagram, Hook-Ups, Field Bus
- AutoCAD
- Intru-calc and Fisher software

PROFESSIONAL EXPERIENCE

1) KONGSBERG MARITIME INDIA PVT LTD MUMBAI

May 2023 TO till Date

Designation: Sr. Project Engineer (Instrumentation Design Engineer) (Offshore)

Kongsberg Maritime is a technology pioneer, enabling a more sustainable future for our oceans. Our zero-emission integrated technologies advance the maritime industry and solve our customers' toughest problems. With unmatched competence, domain knowledge, innovation, and market reach, we are the trusted maritime partner.

ROLES & RESPONSIBILITIES

- Preparation of IO list, Cable Block Diagram, Instrument cable Schedule, E-House Cable Schedule for the FPSO(Vessel) Offshore.
- Review of Marine Contractor documents, Module Contractor documents and commenting on the contractor documents.
- Preparation of Instrument Index, termination schedule
- Follow the client cable integration philosophy and client Specification for the reviewing of the documents.
- Visited to Singapore on deputation for 2 months during working tenure.

PROJECTS UNDERTAKEN

- Agogo Integrated West Hub Development (FPSO Project)
Client – Yinson Azalea Production Pte. Ltd.

2) OSWAL INFRASTRUCTURE LIMITED AHMEDABAD

August 2018 TO April 2023

Designation: Assistant Manager Electrical and Instrumentation Engineer (Design)

OSWAL Group company in India engaged in Design, Engineering, Manufacture, Supply, Installation and commissioning of Modular Skid Packages & Engineering, Procurement & Construction of Oil & Gas Field Surface Facilities.

ROLES & RESPONSIBILITIES

- Carried out Basic Engineering and Detail Engineering, Logic Diagrams, cable tray & trench layout IO list, Preparation of Instrument Index, Fire and Gas layout, Block diagram, interconnection schedule. Calculation of Orifice plate, Control Valve.
- Review and approve specifications for instruments and systems; sizing and selection of field instruments, control valves and relief valves; Piping and Instrument Diagrams, Logic Diagrams, elementary diagrams, wiring diagrams, and instrument loop diagrams.
- Project documentation of loops for DCS, ESD, Fire & Gas and Vendor Packages and Telecom. Inform in advance any requirement of docs and drawings.
- Interfaces with Electrical and Mechanical system to ensure Integration of activities during Construction, Pre-Commissioning and Commissioning.
- Manage engineering participation in the development and analysis of various design options, providing input and expertise to influence equipment design optimization and validation.
- Coordination and follow up of Instrumentation design and engineering interfaces with other disciplines. Handle of corporate engineering standards and material systems specifications.
- Experience with Safety Instrumented Systems and knowledgeable in cause-and-effect diagrams.
- Participate project work processes such as peer reviews, quality assurance, risk assessment/management.
- Participate in design reviews, Model Review, & engineering progress review with Client and PMC.
- Participate in HAZOP, HAZID, SIL Study.
- To lead a group of Engineers & Designers to produce project specific deliverables of high quality as per project schedule
- Well versed with Hazardous area classification and should have Exposure in HAZOP, LOPA, SIL verification and validation
- Having detailed exposure in Calculation for instrument sizing and selection of control valve, and field Instruments consisting of Pressure, Flow, Temperature, Level measuring sensors, transmitters, and meters
- Review the vendor documents and evaluate the vendor by making the TBE (Technical Bid Evaluation)

PROJECTS UNDERTAKEN

- MBA Barmer Rajasthan of Integrated Development Services. (EPC Project)
Client - Baker Hughes & Cairn Energy Pvt Ltd.
- Integrated Field Plan Execution Services in Satellite Fields In RJ-ON 90/1 Block (EPC Project)
Client – Halliburton & Cairn Energy Pvt Ltd.
- Pipeline, Piping & mechanical works for CPF and well site of Bhaskar field, KHAMBHT.
Client – Sun Petrochemicals Pvt Ltd.
- Provision of well hook-up Services for RDG Field
Client – Cairn Energy Pvt Ltd.

3) HONEYWELL AUTOMATION INDIA LTD

July 2015 TO August 2018

Designation: Site In-charge

PROJECTS UNDERTAKEN

- Terminal Automation Project as per the M.B. Lal recommendation at Aonla Depot
Client – Indian Oil Corporation Limited

ROLES & RESPONSIBILITIES

- Hands on working experience on Batch controller of Honeywell enraf.
- Preparing I/O assignment (ML, MC, PDB, SM, and NW), Cable schedule, and JB schedule.
- Preparing control panel schedule.
- Commissioning of tank farm equipment (Tank Gauging).
- Installing, Testing & commissioning of HUS CCTV.
- Hand on working experience of ACS controller (Bio Matrix)
- Networking of control room equipment and field equipment
- Hands on working experience on Honeywell SCADA (EPKS), TTES, Honeywell PLC and Safety PLC.
- Installation, Testing and maintenance of instrument like Radar Gauge, MST, Overspill Sensor, DP type Level Transmitter, PT, TT Level Switch, flow meters, density Probe, Density Meter etc.
- Installation, Calibration, Commissioning & trouble shooting of all type field instruments such as (ABB, Emerson, Chemtrol, Yokogawa, Honeywell)
- Hand On working experience and utilization of Fiber loop, Telecom system, ACS, PAGA system, Data Network system
- PLC/DCS/SIS panel installation, internal tray, cabling & termination according to the engineering document.
- Installation. Testing and Commissioning Fire & Gas detection system
- Installation testing commissioning Card Reader, Barrier Gate, ROSOV, DBBV
- Manual, remote, and local operation of Motor as well as its wiring.
- Familiar with interlocking circuit, Logic & process automation system in continuous process industries.

4) KARTIK ENGINEERS PVT LTD.

March-2015 to July-2015

Designation: Electrical and Instrumentation engineer.

5) KONSTELEC ENGINEERS PVT LTD

April-2013 to March -2015

Designation: Electrical and Instrumentation engineer.

PROJECTS UNDERTAKEN

- MBA Rajasthan of Integrated Development Services. (EPC Project)
Client – Tata Project Limited and Cairn Energy Pvt Ltd.

6) SACH ELECTRO MACH PVT. LTD.

March-2012 to April-2013

Designation: Electrical and Instrumentation engineer

PROJECTS UNDERTAKEN

- MBA Rajasthan of Integrated Development Services. (EPC Project)
Client – Cairn Energy Pvt Ltd.

ACADEMIC CREDENTIALS

- **B.Tech in Electronics Instrumentation & Control Engineering from Engineering College Ajmer (RTU)- Rajasthan**
- **Diploma in Electrical Engineering from Gov. Polytechnic College Ajmer (BTER)- Rajasthan. Engineering College Ajmer (RTU)- Rajasthan.**

FAMILIARIZED SYSTEMS

- Yokogawa Centum CS 3000 and Prosafe - RS DCS & ESD System
- Bently Nevada 3300 and 3500 Vibration Monitoring System
- Emerson Distributed Control System (DCS)
- Honeywell TDC 3000/Experion PKS C300 Controller
- PLCs: Allen Bradley, Siemens, ABB & Omron

PERSONAL INFORMATION

Date of Birth : 27th March 1988
Spouse : Deepika Maheshwari (Chartered Accountant)
Marital Status : Married
Languages : Hindi & English
Nationality : Indian
Passport No : W51399447
Permanent Address : Opposite Genius Convent School Chandravardai, somalpur road
Ajmer, Rajasthan

Date:

Place: Navi Mumbai

(Ankit Maheshwari)