RESUME

SOUNDARARAJAN.M

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Career Objective

To be a smart professional in an innovative environment wherein, working as a team for the betterment of the organization and self

Profile Summary

- A competent professional offering a gratifying career span of over 12 years predominantly in the areas of Instrumentation & Controls, Maintenance and Operations, Annual Plant Turnarounds (Shutdowns) in the Oil & Gas/ Petrochemical industry

- Gained technical proficiency in Foxboro/Honeywell/Yokogawa DCS Systems, Trident/Safety Manager ESD System, Bently Nevada Vibration Monitoring, CCC Control Systems, Process Gas Chromotagraphs and Field Instrumentation & Analyzers.

- Proficient in execution of many minor and major projects right from instrument specification review, selection till erection and commissioning stages

- Experience in reliability of Instrumentation for plants by monitoring production processes, identify any defects/deviations & taking correct preventive actions, initiating asset renewal proposals and performing Root cause analysis of plant failures

- Knowledge in Process Hazard Analysis (PHA), SIL assessment and verifications

- An effective communicator with excellent analytical, problem solving and organizational capabilities

Professional Qualification

B.E (INSTRUMENTATION &CONTROL) with 65% of Marks from DR.Mahalingam College of Engineering & Technology, Pollachi. Passed in APRIL-2009.

Experience Summary

Experience in Refinery and Petro Chemical Industry – 12 Years

1. Presently working at **M/s Reliance Industries Ltd, (World Largest Petrol Refinery Complex)** Jamnagar, Gujarat (April 2018 to Present) as **Manager Reliability (Instrumentation-Central Engineering Services).**

Role

- Working as a part of DCS & ESD Reliability Team for commissioning of Foxboro DCS system and Triconex ESD system
- Coordinating with project management, DEC & construction for commissioning of DCS & ESD systems

- Conducting inspection, pre-commissioning and functional testing to ensure the performance capacity various machines, equipment and systems
- Planning and effecting preventive maintenance schedules of various equipment and instruments increase up-time and equipment reliability
- Understanding and ensuring compliance with the health and safety regulations and quality standards the country in which work is undertaken
- Commissioning of Supervisory control system with integration of multiple complex
- Attended Factory Acceptance tests and Site Acceptance tests
- Provided design & engineering inputs for small plant modification proposals and minor projects-reviewed vendor deliverables, engineering documents and drawings
- Ensure reliability of Instrumentation for plants by monitoring production processes, identify any defects/deviations & taking correct preventive actions, initiating asset renewal proposals and performing Root cause analysis of plant failures
- Participate in HAZOP review
- Commissioning and Maintenance of **HART &Foundation Field Bus** field instruments like Pressure, Temperature, Level, Flow, Analyzers and Control valves
- Knowledge of Health, Safety & Environment safety precautions especially concerning the work environment

2. Worked as **Assistant Manager (Instrumentation) in M/s Jindal Steel and Power Ltd,** Angul, Odisha (Sep 2014 to April 2018) in Coal gasification Plant**.**

Coal Gasification Plant has units like Gasifier, Rectisol, Tar Separation, Ammonia Recovery, Phenol Recovery and Sulphur Recovery Unit

Role

- Hands on experience in **Honeywell DCS EPKS & Safety Manager PLC for ESD**
- Experience in selection of field instruments.
- Commissioning and Maintenance activities of Burner management System and Fire & Gas System
- Responsible for follow-ups with different vendors and contractors during pre-commissioning and commissioning the plants.
- Review of Instrument datasheet to ensure Instrument ranges, MOC and Certification like NACE for critical services like Hydrogen and H2S.
- Commissioning & maintenance of ManTurbo make Refrigeration Compressors with Siemens PLC
- Commissioning & maintenance of various analyzer equipment (Oxygen/CO/CO2/Gas Chromatograph)
- Installation/Commissioning & maintenance of Vibration Probes, Speed Probes (Bently Navada 3500) in Compressors and Turbines
- Technical comparison and vendor finalization of various vendors for the process instruments.
- Preparation of I/O list, Instrumentation index and Loop wiring
- To carry out Preventive and breakdown Maintenance of all field instruments
- Experience in **SAP** Software for Material Management and Plant maintenance

Achievements

- Have Successfully Commissioned the India's First Coal Gasification Plant with total DCS and ESD system.
- Act as Unit In charge for the Project and Commissioning of Ammonia and Sulphur Recovery Unit

3. Worked as **Instrumentation Executive** for Project, Commissioning & Maintenance of Refinery Plant in Bhantinda, Punjab.(Period-Jan 2011 to Seb 2014)

Organization : M/s Aarvi Encon Pvt. Ltd.

Client : M/s HPCL- Mittal Energy Limited (REFINERY PROJECT)

Worked units- Cdu/Vdu, MS Block, DCU, MS Block, FCCU, PPU, HGU, SRU, and CPP

Role

- Supervision and Co-ordination for proper execution of Field Instruments installations (Transmitters/Control Valves/On/OFF Valves/Analyzer equipment as per Hook up, calibration, loop checking, site acceptance test
- Installation/Commissioning and Maintenance of Motorized Operated Valves (MOV)
- Commissioning and maintenance of various types of field instruments like flow,level,Pressure,Temperature
- Experience in **Yokogawa DCS (Centum VP) & Prosafe PLC for ESD**
- Responsible for Loop Checking, Logic Checking, Hook up drawing Checking and Functional Checking
- Involved in Pre commissioning and commissioning of all types of field instruments

4. Worked as **Instrumentation Engineer** for Commissioning & Maintenance of Power Plant in Ratnagiri, Maharashtra.(Period-May 2009 to Jan 2011)

Organization : M/s Enmas O & M Services Pvt. Ltd

Client : Finolex Industries Limited

Role

- Installation of all field instruments related to boilers and turbines
- Installation& Commissioning of Control Valves, Dampers, ON/OFF Valves, Motorized Operated Valves
- Preventive and corrective maintenance of all field instruments

Trainings Attended

- Honeywell DCS Experion EPKS at HAIL, Pune.
- Honeywell Safety Manger PLC Training at HAIL, Pune.
- Triconex Trident Controller Hardware and Configuration Training at Invensys, Chennai

Knowledge Purview

ESD System:

- Invensys Trident TMR (Hands on)
- Honeywell Safety Manager
- Yokogawa Prosafe RS (Training attended)

DCS:

- Foxboro DCS
- Yokogawa Centum VP
- Honeywell Experion PKS

Field Instrumentation:

- Valves: Control Valve (Fisher, Flowserve), On/ Off Valve (Tyco/Biffi)
- Pressure, Level, Flow & Temperature Transmitters (HART Compatible)- Emerson and Yokogawa
- Orifice, RTD, Thermocouple, Annubar, Magnetic Flow Meter, Coriolis Flow Meter, Vortex Flow Meter
- Analyzers: Gas Chromotagraphs (ABB) Servomex O2 and CO2 Analyzers, pH and Conductivity
- Nucleonic Level Measurement Systems

Machine Conditioning System (MCMS)

- Bentley Nevada 3300/ 3500 Monitor System

Personal Details

Name	:	SOUNDARARAJAN.M
Date of Birth	:	26.10.1987
Sex	:	Male
Marital status	:	Married
Father's name	:	N. Muthusamy
Languages known	:	English, Tamil and Hindi.
Address	:	1623A, karaithottam, Reddipalayam, Pappankulam (Po) Udumalpet (TK), Tirupur (DT) 642 204.
Passport no	:	U2332808
Years of experience	:	12 Years

Declaration

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

Date: SIGNATURE

Place: (SOUNDARARAJAN.M)