



❖ Professional Profile

A Competent erection and commissioning person, with over 20+ years varied experience in Installation and Commissioning of Plant Instrumentation working on various DCS/PLC/Automation platforms. My assignments have also merged maintenance capabilities into my abilities. Having worked in Erection commissioning, quality enforcement and Material follow-up with the associated vendors and also in Maintenance has given me a broader outlook as to how Plant Instrumentation should ideally be. It has given me enhanced capabilities to work with Quality Assurance outlook to serve in a Inspectional or with a Consultancy outlook.

❖ Area Of Interest

DCS, PLC, SCADA, Automation, Electrical, Instrumentation and Maintenance.

❖ Experience 20 Years

As **Senior Technical Support** in (SWCC 5x65 MW - 40 MIGD) FROM 08-2002 to 09-2022.

Major Projects Executed

Project Title	: SWCC Shoaiba Phase 1 Retrofit
Client	: Emerson Process Management, USA – IICS – SAUDI ARABIA
Project Title	: Oil Tanker Terminal (Loading Arm- Erection and Commissioning)
Client	: Siemens S7 / Woodsfield Systems (Germany)
Project Title	: Boiler Flame Scanner Modification
Client	: Fireye USA. – Fireye – Dammam – KSA
Project Title	: Chlorination Plant Retrofit
Client	: PSC ENGINEERING - CIPCO – JEDDAH - KSA
Project Title	: Boiler Re-Tubing, Soot Blower and CV replacement
Client	: EMC – EPC - Germany
Project Title	: PENTOL (CHEMICAL INJECTION FOR BOILER FUEL OIL)
Client	: PENTOL GMBH, Grenzach-Wyhlen, Germany.
Project Title	: BALL CLEANING SYSTEM & SEA WATER SCREENING SYSTEM
Client	: Termomeccanica Saudia Co. Ltd
Project Title	: Electro Static Preceptor (Upgrade)
Client	: Standardkessel baumgarte, EPC, EMC - GERMANY
Project Title	: SWCC Shoaiba Phase 1 Upgrade
Client	: Emerson Process Management, USA. IICS KSA.

❖ Responsibility:-

Monitor the subcontractor during testing activities to ensure compliance with the agreed Test procedure without stopping the job. Reporting unsafe practices, and violations of Project procedures, Monitoring contractor's installation work at site as per standards, Making punch list, reports for inspection work involved as per their procedure & specification for inspection of material's, inspection of installation & testing of electrical equipment's.

Job involves Inspection of contractor's on-going works for Instrument, in (i.e. Fuel Oil Station, Air Compressor, HVAC, Tanker Terminal (Jetty- Oil Field), Sponge Ball System, Sea Water Intake, CO2, Electrostatic Preceptor(ESP), Smoke Analyzer, Hydra Step System, Switch Gear, Local Junction Box Etc.), SCADA System, DCS, PLC cabinet installation its cabling, L.V switch gears like PDP, MCC, MDP EDB, LDB, Termination of transmitters LT, FT, PT, CV, solenoid valves etc.

Material checks Review all Calibration equipment's validity of its test certificates. Raising punch lists for all faults found which are not as per standards specs of the Project.

Witnessing of calibration of instruments MOV, VFD, PT, LT, FT, SV, including Logic checking in DCS, Pressure leak test, fusible plug loop checks. Etc.

- Periodic Inspection of certified equipment's to be installed as per required, zones.
- Periodic inspection of installation routes and cable support systems prior to cable run.
- Witness megger, no load test, winding test, vibration, bearing temp, and speed.
- Circuit testing preparation and witness pre-commencement power / signal checks.
- Perform inspection of all equipment during equipment pre-commissioning /commissioning.
- Prepare and review test documentation, submit results to Certification Engineers.
- Procedure, Reporting unsafe practices, and procedures to Qc Manager.
- Responsible for work schedule and organize manpower loading.
- Ensure that company safety rules and quality procedures are fully respected.

Responsible for witness all field instrument & vendor package calibration activities conducted by subcontractors. Provide information such as technical documents, material delivery status, work method statements & ITPs to subcontractors throughout the project. Communicate with engineering department on material & document discrepancies for resolutions.

Monitor subcontractors' resources such as manpower, test equipment & tools to correspond with workload to ensure productivity & quality targets are met. Witness field inspection activities such as instrument, cable trench, cable tray, cable pulling, air piping, impulse tubing installation work conducted by subcontractors. Liaise with client's representative on technical issues for resolutions. Inter-disciplines field coordination work related to interfacing difficulties. Support construction team by having surveillance inspection on a daily basis to avoid non-conformances.

❖ Skills And Technical Experience

- Signal, Device, and Logic check Software change Implementation, testing and trouble shooting.
- DCS System setup and commissioning.
- Perform RCA for Trip Cause for device and process and perform RCM to prevent in Future.
- Involved in Protections & Interlocks checks for furnace safeguard supervisory system(FSSS), Turbine control systems & all Electrical equipment's during Unit major overhauling.
- Checking & Implementation of Modified Logics as per our requirement thereby increasing the availability & safe operation of Plant.
- Knowledge of Modify HMI, Logics and Signal Diagram for Emerson, Siemens, RSLOGIC, OMRAN.
- Sound knowledge in Emerson Ovation OCR 400 DCS 3.1.3, to 3.7.1 Including Modification.
- Troubleshooting knowledge in Allen Bradley, Omron, Siemens, Emerson CSI 4500, 6000 Turbine Vibration System, Profibus Field Bus, RS232, RS484.
- Knowledge in Electro hydraulic governing system for steam turbines of FUJI.
- Work Experience in Back Pressure Steam turbines, and Hydraulic governing System and Calibration for Steam Turbine.
- Work Experience in Burner Management System and Turbo Supervisory System.
- Managing Manpower and Project related P&I Documentation and project schedule.
- Commissioning experience of various types of Flow meters like Magnetic, Vortex, Mass and DP Transmitters, Pressure Transmitters, Actuators, Control Valves and Dampers, I/P Converters, Switches, Analyzers, level transmitters, SOV, Switches, Control valves, TC, RTD, Boiler such as Hydro Test, Steam blow out etc.
- Maintenance of Ash handling plant (fly ash system with VFD) using Rockwell Automation.
- Certified Authorized Person for SWCC PTW System.
- Making report daily / weekly work progress report based on work completion.
- Maintaining a proper record of Documents and working Knowledge of SAP, INFO, and Oracle.

- Experience in checking permissive, protection and interlock logics.
- Good knowledge and work experience with Medium and Low Voltage systems.
- Good knowledge In Microsoft Office, Adobe, Applications.
- Experience in checking closed loop controls in Power and Desalination plant.
- Testing and servicing of Signal Conditioner Modules and Interfacing Cards.

TRAININGS ATTENDED

- Instrumentation and Control Automation.
- Allen Bradley and HIMA PLC System.
- Emerson Ovations DCS System.
- Turbine Vibration Systems (Emerson) (CSI 6500)
- Biffi Italia – Scada System.
- Siemens Simatic S7 PLC
- Wood Field Loading Arm Systems
- PIMS (Plant Information Management System) Emerson.

TECHNICAL & IT QUALIFICATIONS

- ⇒ Bachelor Degree
- ⇒ Diploma in Computer Hardware & Networking from Innfo Base Technologies, Chennai in 2002.
- ⇒ Diploma in Computer Studies from Orchid Soft Systems, Chennai in 2001. (Specialisation - Visual Basic & Oracle)
- ⇒ Diploma in Computer Application from Measi Computer Academy, Chennai in 1993. (Specialisation- Languages & Packages)
- ⇒ (Diploma in Electrical & Electronics Engineering).
- ⇒ SWCC Authorised licence Holder.
- ⇒ Operating System: Windows 95 to Windows Server 2016
- ⇒ Ovation Developer Studio (Software Of Emerson)
- ⇒ Etamatic Burner System Configuring.
- ⇒ RAWAM Security Program Certified. (KING SAUD UNIVERSITY)

PERSONAL DETAILS

Date of Birth	: 26th April, 1974
Language Known	: English, Arabic, Hindi, Urdu, Tamil and Malayalam
Passport Det.	: T 9666378 Expiry: 07-Feb-2032.