

PROFESSIONAL SUMMARY

Project Engineer (Automation) expert in Design, engineering, Testing & commissioning of automation systems. Over 6 years of experience in the field of SAS, expertise with multiple applications & communication protocols.

EXPERIENCES

COMMISSIONING EXPERIENCE

- Strong knowledge in Automation system, SCADA applications and communication protocols.
- Configuring IED's, Meters, PLC's & controllers with different communication protocols to establish communication to the SCADA system.
- Configuration of IED's Data set & RCB and generation of CID/ICD & SCD files.
- Configuring & Establishing GOOSE communication between IED's in the network.
- Ethernet switch configuration of different network topologies over different protocols.
- DSAGILE, PACIS, AREVA, ECOSUI, AREVA, ABB 800XA, Controllers & BCU data base development, Configuration, and commissioning.
- Alarm & Event configuration at EWS/OWS in priority order as per customer requirements.
- Trends & History display development & configuration.
- Report generation for alarms & metering signals.
- Good experience in conducting FAT & SAT activities.
- Follow-up customer issues and perform necessary troubleshooting, fault finding and diagnostics
- Detailed problem analysis on critical incidents to prevent reoccurring issues
- Conducting training to customers and field operators at site.

PROJECT ENGINEERING EXPERIENCE

- Evaluating design of Automation system.
- Detailed study of tender documents, contract conditions, specifications and drawings.
- Making proposals and Bidding / Quoting tenders for Automation projects.
- Attending bidders query meeting and clearing the concerns and clarifications with customer.
- Preparation of technical write ups on company offers for inclusion in tenders.

V.R.Manikandan

PROJECT ENGINEER
(AUTOMATION)

CONTACT DETAILS

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CORE COMPETENCIES

PROTOCOLS

- IEC 61850
- MODBUS SERIAL/TCP
- IEC 60870-5-101, 104
- OPC COMMUNICATION
- NTP/SNTP
- RSTP & PRP
- NETWORKING

OTHERS

- TENDER HANDLING
- TECHNO COMMERCIAL OPERATIONS
- PRODUCTION SUPPORT
- CLIENT RELATIONSHIP
- DESIGN & ENGINEERING
- INSTALLATION & CONFIGURATION
- TESTING & TROUBLE SHOOTING
- TEAM MANAGEMENT
- COMMISSIONING
- SITE CO-ORDINATION

- Supporting sales departments and project management during both, the bid phase and the project execution phase.
- Reviewing vendor offers & commenting.
- Design & engineering of complete SAS/SCADA projects compliance as per project specifications & IEC standards.
- Planning & designing of SCADA communication network architecture in lined with project specification (Redundancy requirements).
- Creating Standard FAT/SAT test Procedure documents based on the Specifications & customer requirements.
- Worked closely with customers & different departments in resolving design & project issues, and timely responding to their concerns.
- Perform detailed problem analysis on critical incidents to prevent reoccurring issues and improve resolution time
- Technical management, planning and controlling of engineering work packages.
- Providing technical assistance for the queries (regarding complete Substation SCADA system) from customer and from site.

PROFESSIONAL EXPERIENCE

AL-AHLEIA SWITCHGEAR.CO, Kuwait

(www.ahleiasg.com/lvscada.htm) Dec 2017 – Till Date

SCADA Engineer

- Preparing required input to relevant material requisition covering the SCADA / ENMC/IMCS portion of work evaluate offers received from vendors, issue technical clarification, preparing technical bid evaluation and providing recommendations to procurement for ordering of ENMC/IMCS Systems.
- Design & Engineering of NRP-1, NRP-5, and EWA project Automation System in-lined with project requirements (Specification, IEC & IEEE standards).
- Participating in vendor factory acceptance tests and integrated acceptance tests to ensure conformity.
- Complete Testing of ENMC/IMCS system at factory
- Providing inputs & supervising/coordinating with construction and commissioning teams to ensure equipment is correctly installed, connected, integrated and tested in accordance with project objectives.
- Complete testing & commissioning (FAT/SAT) of IMCS system as per standard test Procedures.

PERSONAL DETAILS

- DEGREE: BE (EEE)
- AGGREGATE: 69.98%
- DOB: 10-05-1992
- NATIONALITY: INDIAN
- LANGUAGES: TAMIL, ENGLISH, TELGU, HINDI
- PASSPORT NO: L2317097
- EXPIRY DATE: 02-06-2023
- NOTICE PERIOD: NILL

PROJECTS WORKED ON

INTERNATIONAL PROJECTS:

1. KNPC-Kuwait – Al-Zour New Refinery Projects (NRP-1)
24 no's stations. – IMCS Systems
2. KNPC-Kuwait – Al-Zour New Refinery Projects (NRP-5)
3 no's stations. – IMCS Systems
3. KNPC-Kuwait - Clean Fuel Project(CFP)
4. KOC-Kuwait – SABRIYAH-A DAP systems
5. EWA-Bahrain – RTU Systems

NISSI ENGINEERING SOLUTIONS PVT LTD-CHENNAI,

India May 2014 – November 2017

Substation Automation Engineer

ALSTOM, SCHNEIDER Automation Systems

Project: Substation Automation SCADA Projects

- Monitoring & Control of substation equipment's such as ALSTOM, SCHNEIDER, GE, ABB and SIEMENS relays, MFM, PLC, etc... with the ALSTOM, ABB and SCHNEIDER system using IEC 61850 protocols.
- Communicating 3rd party system & MFM's with the ALSTOM, ABB and SCHNEIDER system using RTU & MODBUS TCP/IP, Serial protocols.
- HMI & Graphics development and Event Alarm & Report generation configuration.
- Configuration and Testing of Auto re-closer, Interlocks and Voltage synchronization using Bay control unit(C264).
- Installation and commissioning of SCADA Server, Gateway and RTU systems.
- Configuration of RTU and Gateway system to sending the data from Substation to Load Dispatch Centre's and receiving the controls from master SCADA through PLCC link over IEC101 and IEC104 protocols.
- Integration of Alstom SCADA system into other 3rd party SCADA system.
- Control and Relay inter panel wiring and scheme checking.
- GPS receiver commissioning and testing of time synchronization for all IED's.
- Material Reconciliation and prepared joint verification documents with customer.
- Prepared Cable Schedule, Termination Schedule and I/O List.
- GOOSE and Protection Signal's between IED's and integration with SCADA system.

DOMESTIC PROJECTS:

1. Commissioning of SAS system in the following Power Grid corporation of India Limited.

- ❖ 800/400/220KV Agra S/S.
- ❖ 765KV Sujalpur S/S.
- ❖ 765KV Wardha S/S.
- ❖ 765KV Jabalpur S/S
- ❖ 400KV Hissar S/S.

2. Commissioning of SAS system in the following Maharashtra State Electricity Transmission Corporation Ltd.

- ❖ 132kV Samsherpur S/S.
- ❖ 400/220KV Alkud S/S.
- ❖ 132kV Khirvere S/S.
- ❖ 132kV Jalgaon Jamod S/S.

3. Commissioning of National Transmission Asset Management Centre Project in the following Power grids.

- ❖ 400/220KV Bassi S/S.
- ❖ 400/220KV Kishenpur S/S..
- ❖ 400/220KV Hassan S/S.
- ❖ 400KV Khammam S/S.
- ❖ 400/220KV Madurai S/S.

4. Commissioning of SAS system in the following Andhra Pradesh Power Transmission and Corporation Ltd.

- ❖ 220kV Shyapuram S/S.
- ❖ 400/220kV Mahadevmangalam S/S.
- ❖ 400/220KV KOTA S/S.
- ❖ 132kV Jalgaon Jamod S/S.

Date: 01-04-2020

Place: KUWAIT

Signature

V.R.Manikandan