

ABDUL ALI ADIL

Instrumentation & Controls
Engineer



Personal details

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500053 FALAKNUMA
- July 2nd, 1983
- Hyderabad
- Oman
- Male
- Indian
- Married
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Skills

- Instrument Device Installation and calibration ●●●●●
- Able to read and understand Data Sheets, P&IDs, Instrument Location, GA drawings, and Hook-up Drawings, Cable Pulling & Termination Data, Cable Termination Schedules, ●●●●●

Education

Bachelor of Technology

Mar 2002 - Apr 2006

Royal Institute of Technology and Science, Hyderabad

I studied Electronics & Instrumentation (EIE) subject from RITS. Instrumentation is a branch of engineering that studies the measurement and control of process variables, and the design and implementation of systems that incorporate them. Process variables include pressure, temperature, humidity, flow, pH, force and speed.

Employment

Instrumentation & Controls Engineer (Completions)

Feb 2020 - May 2022

SNC LAVALIN, OMAN

Duties and Responsibilities :

1. Reviewing Cable schedule with JB strip reports, vendor wiring drawings and ILDs
2. Checking process interlocks (start permissive & trip interlocks) and CAE checks for Air Separation Unit equipments like main compressor, nitrogen compressor, MSA, Regen Gas heater.
3. Performed SAT and functional test for Instrument Air system
4. Performed SAT and functional test for Air Breathing System ABS for all SAFE HAVENS buildings
5. Performed SAT for Potable water system and its chiller unit.
6. Performed SAT for Tank base heating system.
7. Performed SAT for Tank Gauging system.
8. Performed SAT for GC analyzers.
9. Performed SAT for Ultrasonic Flow Transmitters.
10. Regularly performed RLMU (ILD, GA, Wiring Diagrams, P&IDs, Data sheets, CAE) and uploaded in PDMC server for traceability and easy access.
11. Raising Site Engineering queries during precom activities regarding instrument ranges and interfacing signals.
12. Performed MODBUS testing for GC analyzers.
13. Updating SMART tool regularly as site systems got progressive.
14. Preparing SAT procedure and creating SAT report for the completed systems.
15. Preparing CAE spread sheets.
16. Supporting SAT activity remotely with vendors due to pandemic.
17. Performed DCS internal wiring change for active passive signals from third party PLCs.
18. Closing FAT and SAT punches.
19. Preparing CRF for addition and removal of ITRs .
20. Requesting vendors boarding on site as per project plans.
21. Always worked with safety and maintained integrity of the organization.

Lead Instrumentation & Controls Engineer

Jan 2012 - Jan 2020

ARABIAN BEMCO, SAUDI ARABIA

Duties & Responsibilities:

1. Reviewing process interlocks (start permissive & trip interlocks) for preparing functional test procedure and performing function test accordingly.
2. Modifying LOGIC diagrams if required as per client request or comments.
3. Preparing RFIs for all I&C functional (request for inspection) checks.
4. Reviewing Engineering submittals and preparing transmittals for client approval.
5. Preparing comment resolution sheets for the submittals.

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Wiring Diagrams,
Functional Description and
Operating Philosophy,
Functional Logic Diagrams
and Protective Interlock
Check List. ILDs, SPI
index

Cold Loop Checks and Hot
loop checks ●●●●●

Able to perform Pre-
Comm& commissioning
activities like Hot Loop
Check, Protective and
Interlock, dry functional
Check. ●●●●●

Document Review of ECC
& CCC Packages, Red
Mark-up, and As-Built
Drawings. ●●●●●

Can prepare CAE matrix,
SAT Procedure, function
test procedures ●●●●●

Competent user of HART
Instruments and HART
communicator ●●●●●

Familiar with the
Auxiliaries and Emergency
control system for
compressors and turbines ●●●●●

Languages

English ●●●●●

HINDI ●●●●●

URDU ●●●●●

TELUGU ●●●●●

ARABIC ●●●●●

Hobbies

■ SWIMMING

■ SINGING, DANCING

■ PLAYING CRICKET

Qualities

■ Adaptable, Quick learner, Ability to
work independently and or/within a
team Environment.

6. Reviewing and modifying addresses of modbus list after comparing PLC modbus addresses with the DCS modbus addresses.
7. Reviewing and troubleshooting all fiber optics and Ethernet network topology of the plant as per approved engineering drawing.
8. Performing MODBUS testing as per the VENDOR approved list and modifying if required.
9. Reviewing and modifying HMI GRAPHICS for meeting the standards and attending client's comments resolution sheet.
10. Preparing SAT (SITE ACCEPTANCE TEST) procedures.

Testing & Commissioning Supretendent

May 2009 - Jul 2011

QATAR KENTZ, RAS LAFFAN, QATAR

Duties and Responsibilities:

1. To bring all instrumentation systems online which belongs to lube oil system, air cooling and sealing system, combustion system, fuel gas system, inlet filter system, water wash system vibration monitoring system, burners, and draft fans.
2. Preparing and testing of logical sequencing and process interlocks during start up and shutdown based on cause and effect diagram and logic diagram.
3. Performing onsite calibration of Instruments like pressure transmitter (ROSEMOUNT, YOKOGAWA, FOXBORO), level transmitter (ROSEMOUNT), temperature transmitter (ROSEMOUNT), flow transmitter (ROSEMOUNT), DP Transmitters, proximity Sensors (BENTLY NEVADA), pressure switches, speed probes, vibration probes (BENTLY NEVADA), heat detectors gas detectors, flame detectors, spark plugs.
4. Attended SAT site acceptance tests.
5. Requesting clients for inspection for function tests for different system.
6. Hand on experience in Mark VI and MARK VIe for hardware and Software application related issues for GAS turbine and STEAM turbine control system.
7. Complete commissioning and troubleshooting of communication between different nodes and data transfer between DCS and PLC through MODBUS.
8. Always been in coordination with different departments like mechanical and electrical.

Commissioning Engineer (Deputed in SAIPEM Saudi Arabia)

Feb 2008 - Feb 2009

GULF CONSOLIDATED CONTRACTORS (GCC) CO. LTD (FORMERLY FOUAD
ABDULLAH FOUAD CO.LTD), SAUDI ARABIA

Duties and Responsibilities:

1. Preparing and segregating digital input/output and analog input/output DCS signals list.
2. Reviewing, comparing and modifying the ranges of all instruments in the field.
3. Preparing Hot loop check folder for each instrument in the plant.
4. Preparing datasheet for every instrument in the plant.
5. Checking all the instruments erection as per plant standard, complete loop diagram, hook-up diagram, engineering specifications, process flow diagrams.
6. Control valve overhauling and troubleshooting.
7. Worked on FOXBORO DCS, BENTLY NEVADA 3300/3500 series vibration monitoring.
8. Overall engineering of the Instrumentation works which involved Installation of field instruments and process control system. Calibration of process control instruments like Transmitter, Controllers, MOV'S, cold loop checking, hot loop checking and pre and post commissioning activities.
9. Following the complete plant safety procedures and standards.
10. Final commissioning from the field instruments Calibration and functional testing of all loops, Issuing certificates to all field instruments, cold loops,

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- Can communicate well, hardworking and goal oriented, have the ability to work both individually and in a team environment, and willing to work long hours in a competitive environment.
- Possesses strong analytical ability and able to study major problems and provide possible course of action.
- High degree of initiative, flexibility and resourcefulness with a drive for efficiency and results.

and hot loops check.

11. Final commissioning of Fire and Gas system by using Allen-Bradley 5000 LOGIX PLC and its industrial application software.
12. Remote testing of LIMIT TORQUE actuator for the Motor Operated Valves (MOV's) open,close and running status from the Mark VI and DCS.
13. Foundation Field Bus (FFB) configuration of different type of FFB instruments, preparation of wiring for the conventional and FFB instruments, preparation of system interconnection wiring diagram, system cabinet and marshalling cabinet design, system tagging and loop checks, system redundancy and fail safe check.

Assistant Engineer

May 2006 - Jan 2008

AMPERE SYSTEMS & TECHNOLOGIES., HYDERABAD , INDIA

Duties and Responsibilities :

Worked as a Team Member and was responsible for developing small scale, commercial and industrial ladder logics.

1. Successfully submitted PLC Logic for automatic controlling of traffic signals to Government Traffic Control department at Hyderabad.
2. Developed Elevator System logic for different Transport Agencies.
3. Automatic reading the quantity of products released over the conveyor belt in the food Processing small scale industries.

Achievements

1. Trained in Hydrogen Generator System by TELEDYNE.
2. Trained in Electro-chlorination generation for HYPO dosing system.
3. Trained in SWAS (Steam & Water Analysis System) by EROOM technology.
4. Certified and Accredited from SAUDI COUNCIL OF ENGINEERS.
5. Received Appreciation from BEAUDREY (FRANCE) for commissioning drum screen & trash rake systems.
6. Received SAFETY AWARD from KENTZ HSSE.
7. Received appreciation from SAIPEM.
8. Receive certificate of proficiency for Assembling and Maintenance of PC.
9. Attended Biomedical Instrumentation Conference BINCON.
10. Trained in Operation and Maintenance of Patient Monitoring System in I.C.U.
11. Trained in Operation and Maintenance of ECG Recorders.