

CURRICULUM VITAE

Hitesh Ambalal Solanki

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CAREER OBJECTIVE:

Oversaw all aspects related to the management, maintenance, and usage of instruments and equipment within an organization. The crucial role in ensuring that instruments are dependable, accurate, and compliant with industry standards and regulations.

EXPERIENCE:

- Now I currently employment with Tagros chemical india pvt ltd, Dahej as Manager in Instrument dept. from Mar 2024 to till the date.
- I was employment of UPL LTD Unit3/26, Ankleshwar as Section Head in Instrument/Industry 4.0 dept. from Nov 2022 to Fen 2024.
- I was employment with UPL LTD Unit3/26, Ankleshwar as Team lead in Instrument dept. from Aug 2018 to Oct 2022.
- I was previous employment with M/S SHREE POLYMERS, Ankleshwar as Instrument/electrical Executive (Instrument/Electrical/Electronic) from DEC 2016 to Aug 2018.
- I was previous employment with PIRAMAL GLASS Ltd, Jambusar as EXECUTIVE Engineer in Instrument dept. (Cold-End Maintenance Engineering Service Dept.) from OCT 2012 to Nov 2016.
- I was previous employment with company in BELL CERAMIC LTD, Dora as "**ENGINEER**" in instrument (with include Electrical) department since Oct. 2010 to Sept. 2012.
- I have completed "GRADUATE ENGINEER TRAINEE "on Oct.2009 to Oct. 2010 in BELL CERAMIC LTD, DORA

TECHNICAL EXPOSURE:

Instrumentation and areas of exposure can help individuals specialize in the field of instrument knowledge within a chemical plant, whether in engineering, maintenance, programming, field instruments compliance roles.

- Knowledge of DCS system Yokogawa, Emerson, and Allen Bradley.
 - Yokogawa DCS centum cs and 3000 system
 - Emerson Delta-V DCS system
 - Rockwell – Allen Bradley Plant PAX DCS system, and others also
 - Allen Bradley PLC-SCADA system with 5000 Logix-Studio.
 - Different types of PLC-HMI system with different application.

- Individual PLC-HMI base system with redundancy provision.
- Knowledge of different protocol like HART, Foundation fieldbus, Profibus, ProfNet, and Modbus, etc.
- Knowledge of field instrument as per application of Gas, liquid, and steam
 - Flow meter like Electro-magnetic, Coriolis, Vortex, DP type flow meter
 - Level transmitter DP type with different application, Radar and ultrasonic based.
 - Pressure transmitter as per application
 - Temperature transmitter
 - pH Transmitter as per application.
- Communication based Weigh System
 - Weigh system like Metler Toledo, Precia Molen, JISL, and Elder make
 - Knowledge with different type of weigh system as different Communication protocol.
 - Low profile based bulk filling system and with different protocol.
- Different types of on-off valve and actuators as its application.
- Detail knowledge and working on Control valve maintenance, installation, and troubleshooting.
- Detail knowledge and working on SMART and Electro-Pneumatic positioner.
- Follow and knowledge with Safety instrumented system (SIS)
- Batch system automation.
- Safety improvement system
- Working on IT/OT network.
- Deeply working on packing line and packing machine automation on liquid and solid plant application.
 - Liquid packaging line solution.
 - Solid packaging line solution.
 - Automation with Robotics solution.
 - Fully automatic packing line solutions.
 - Semi auto system packaging solutions.
- Knowledge and working profile on Chiller, Compressor, Hot Water Generator, Dryer, N2 Plant, AHU handling unit.
- Online server-based data Printing system, Parent child aggregation, Barcode track and trace system, inventory management system, product authentication system.
- RFID based system solution for manpower tracking and management, traffic system management, Asset management, palletizing system management, managing of material movement asset.
- Mistake proof system of truck loading – unloading system with track and trace.
- MES, OEE and smart instrument knowledge with project profile.
- Asset health monitoring system.
- Instrument Maintenance: - Supervise the regular maintenance, calibration, and repair of instruments to ensure they perform accurately and reliably.
- Inventory Management: - Maintain an inventory of instruments, including tracking availability, monitoring usage, and ordering replacements or upgrades as needed.
- Budget Management: - Develop and manage the budget for instrument-related expenses, including procurement, maintenance, and repairs.
- Quality Assurance: - Ensure that instruments meet quality standards and compliance

- requirements, particularly in industries like healthcare, manufacturing, or scientific research.
- **Downtime Reduction:** - Minimize instrument downtime by scheduling maintenance and repairs proactively to prevent disruptions in operations.
 - **Documentation:** - Maintain comprehensive records and documentation related to instruments, including manuals, calibration records, maintenance logs, and compliance reports.
 - **Compliance:** - Ensure that instruments adhere to relevant industry regulations, standards, and safety guidelines.
 - **Efficiency Improvement:** - Identify opportunities to improve efficiency by optimizing instrument usage, implementing automation, or streamlining testing processes.
 - **Risk Management:** - Assess and mitigate risks associated with instrument failures or inaccuracies that could impact product quality, safety, or research outcomes.
 - **Technology Evaluation:** - Stay informed about emerging technologies and trends in instrumentation to assess whether new tools or upgrades could enhance productivity or data quality.
 - I have also fundamentally knowledge and currently working with TQM system.

WORK EXPERIENCE:

M/s TAGROS CHEMICAL INDIA PVT LTD, Dahej

The manager of instruments in the department of instruments. Assist in leading the department's execution plan and strengthening the team. In the currently operational plant, directing the full proof operation of the DCS system. Utilizing the necessary field instruments, automate the plant's work frame profile and keep improving.

Working in the plant as below profile

- Honeywell C3-300 DCS system
- Emerson Delta-V DCS system
- Rockwell – Allen Bradley Plant PAX DCS system, and others also
- Tank farm automation with DCS
- Different types of PLC-HMI system with different application.
- Individual PLC-HMI base system with redundancy provision.
- EMS-UMS system installation.
- Batch system and report generation with golden batch.
- Hydrogen plant automation.

M/s UPL LTD, Ankleshwar

Responsibilities: - The UPL is the AGROCHEMICAL manufactured process chemical plant. UPL is a leading provider of sustainable agricultural solutions and services, with more than 14,000 product registrations, a presence in almost 140 countries.

- Lead the team of Instrumentation, controlling Instrumentation budget, CAPEX.
- Support the team for maintaining healthy condition of instrumentation, automation & control system of Utility & Manufacturing plants.
- Knowledge on DCS, SCADA, PLC, HMI and other relevant automation & control system including latest technology.
- Knowledge on Instrument related documentation for all the procedures, JSA, IMS (Integrated management system) activities are in place.
- Preventive and predictive maintenance of equipment and compliance of statutory requirement as per schedule for the plant.
- Planning, Budgeting, and monitoring of Instrumentation department expenses.
- Development with subordinates and responsible with contract owner for Instrumentation contractors
- Training and development of team members.
- Knowledge and currently working with ISO 9000, ISO-14000, OHSAS -18000, TPM and WCM.
- To implement of 5S in plant and office.
- Awareness about responsible care (Environment, Health, Safety and Security) Knowledge of calibration & maintenance practices for DCS/PLC/SCADA & SIS., SMART, FF & pneumatic field instruments.
- Instrumentation selection/procurement/commissioning for new projects/modifications.
- Maintenance and upkeep of various analysers/environment control instruments.
- Currently optimization of departmental inventory, budgetary planning and reduces the R&M cost.
- Development of In-house resources & skill to reduce dependability on OEM.
- Preparation of SOP/SMP for quick revival & trouble shooting of DCS/PLC/SCADA System & field instruments.
- Well versed with complex process control, equipment protection & safety standards.
- Good hand on experience on various make field instrumentation and control instrumentation systems.
- The UPL is working with TQM base profile and also our all team follow with TQM system work flow.

M/s SHREE POLYMERS PVT LTD

Responsibilities: - This is Polymers manufactured and equipment manufactured unit which Operation and manufactures several types of machines with include ELECTRICAL and INSTRUMENT work function. I have responsible person for machine operation and maintenance of quality performance regarding manufacturing machines and plant operation. I have deeply knowledge like below.

- I have knowledge on manufacture based with different of machine parts including with chemical plant process and manufactures daily continuous process plant.
- I have working with data analysis of compressor like capacity, deliver pressure, motor regulation, and load capacity calculation detail report execution. We have responsible for compressor on its load based delivered reports, so we have maintained its PM work and predictive maintained in plant.
- We have highly worked on ELECTRICAL and INSTRUMENT with automation system to Synchronize all machine with one unique system.
- In this company I have working on PLC like ALLEN BRADLEY, SHNEIDER, and SIEMENS. All PLC

and its communication application connected with each other in one unique system.

- All automation system with robotics makes in plant and packing area including in run with automation.
- Instrument calibration maintain with ISO system also include it in visualize and E-Paper system.
- This company working on ISO and Six Sigma activity with running production plan.

PIRAMAL GLASS LTD, JAMBUSAR

Responsibilities: - Operation and maintenance of all AUTO Inspection PLC and SCADA based machine and preventing work of auto machinery in the plant. I have responsible person for shift activity and inspection machine quality performance, machine like such as

- ★ Several types of SHRINK WRAP machine.
- ★ SGCC M machine-France: MPC1 M1 machines & Info M machines
- ★ MSC make Side wall inspection, FRANCE.
- ★ Emhart iM Machines, USA
- ★ Emhart iB Machines, USA
- ★ Emhart iC Machines, USA
- ★ DHG machine, USA
- ★ Cold-End Coating Machine and lab test machine.
- ★ Hot End Coating Machine and lab test machine.
- ★ Ramp Pressure Test machine.
- ★ STRATCH WRAPP MACHINE.
- ★ Case Erector Machine.
- ★ Thermal Shock Testing Machine.
- ★ Types of air compressor
- ★ Chiller for heat exhaust.
- ★ Pick and Place Machine with SERVO and Motorized Based.

- In this company Electronics & Instrumentation based system with auto control plant (break down, Services operations and quality) which maintain by our department.
- I have knowledge on Shrink-Wrapping machine (LOGICON, PERK make), Tunnel Dryer, Cold-End coating machine, and deeply knowledge of PLC (Allen Bradley) system in the operating plant.
- I have practically wrought in instrument and mechanical instrument which is used in our plant for job change activity.
- In this company all inspection m/c work on PLC based computerize automatics online system. In this system we are observed and maintain with supervisor and slave computer based. On this machine detect defect of bottles.
- In this company we have inspection m/c system with highly frequency photo sensor and image process camera with computerized inspection object.
- In this company I have deeply knowledge and practically working with Asynchronous Drives like DELTA, SIEMENS, ABB, OMRON, EUROTHERM, KEB with also knowledge of software-based system make.
- I have practical working in auto Inspection machine like M M/C-france, M CAL M/C (Creative and MSC-France), iM M/C-USA, iB M/C-USA, iC M/C-USA.
- I have under member of ISO system, which our company fulfills requirements all the

machines and job work related ISO work. So, mention all the ISO documents with its necessary required. I am member of ISO auditor.

- I also have knowledge of SCADA software of In-Touch (Wonder ware Company) which is objective by NCVT Surat.

I have working with Manufacture Excellence working profile for SIX SIGMA system to fulfill the reality of data sheet on B/D, 5's, PEEP, PPE also other related tools which observed in the plant.

BELL CERAMICS LTD, DORA

- In this company I have responsible for maintaining the system in the operating plant.
- In this company automation based on PLC (Siemens, Omron and Allen Bradley) system and also, I have responsible to solve break down in the operating plant.
- I have Professionally Training for PLC (Allen Bradley) and SCADA software of in touch (Wonder ware Company) in NCVT, Surat.
- I have worked on Cooling tower with electrical and instrument work also maintained whole proper system with automation.
- In this company there is Automation based machinery like Hydraulic PRESS, LOADING – UNLOADINGS machines and types of KILNS machines.
- Others are BALL-MILL for raw materials, Agitators, Electronics Omis and TCS make Screen Printing, Spray Dryer.
- PLC wiring, major maintenance, break down and
- Spray dryer, Ball Mill, Vertical dryer, Horizontal dryer, Glaze line, Car loading M/C, T.S.C. make screen printing, Car unloading M/C, SITI kiln, Sacmi, Zhongyao roller drive single fire kiln,
- I have knowledge of all types of photocells, Inductive and capacitive proximity sensor, Tx/Rx, P.I.D. Controller, Thermocouple, Timer & Counter of OMRON & SIEMENS, I have practically knowledge of MCS-300 relay with its proper parameter, For packing material a strapping m/c which fully automatic use in this plant, Fully Automatic packing material image printer.

EXTRA SKILLS:

Software: -

EMS, UMS and WMS software

- UPC/IPC installation
- Historian system
- ERP SYSTEM, Windows 9X/2000/XP/W-7.
- SAP system with related module.
- SAP – HANA system

ACADEMICS QUALIFICATION:

<u>Sr. No.</u>	<u>Examination</u>	<u>School/University</u>	<u>Year of passing</u>	<u>Percentage</u>
1	B.E. in ELECTRONICS & COMMUNICATION	Veer Narmad South Gujarat University, Surat	July 2009	69.67%
2	12 th (Science) Higher Secondary Board	Amity High school, Bharuch. /(GHSEB)	March 2005	64.62%

3	10 th Secondary Board	Shanti Vidhyalaya, Bharuch. /(GSEB)	March 2003	75.57%
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I have certified with **FIRST CLASS DISTINCTION** in **ELECTRONICS AND COMMUNICATION**.

I have studied from **Government Engineering College, Bharuch**.

PERSONAL DETAILS:

Father Name :- Ambalal N. Solanki
Mother Name :- Savitaben A. Solanki
Spouse Name :- Pinal H Solanki
Permanent Address 28, Bharti Nagar, Nr.
Allied School,
J.B. MODY Park Road
Bharuch- 392 001
Gujarat.
DOB :- 5th MAY, 1987
Gender :- Male
Marital Status :- Married
Hobby :- Reading, Sports, Music
Language :- English, Gujarati, Hindi.

DECLARATION:

I hereby declare that the above given information are true and to the best of my knowledge.

Date:

Place:

Name: - Hitesh Solanki