

ROHIT VERMA
(ASSITANT MANAGER)
(AUTOMATION & PROCESS CONTROL)

TOTAL EXPERIENCE: 07 YEARS 02 MONTHS
(HEAVY MACHINES, PHARMA, CHEMICAL, PRINT,
FOOD & BAVERAGE, PETROCHEMICAL)

CORE COMPETENCIES

~Project commissioning ~Process philosophy implementation ~Project management
~ SCADA, HMI Development. ~PLC, DCS, VFD programming ~Electrical & Control wiring
~FAT, SAT & Handover. ~Continuous customer support ~Troubleshooting & Training

PROFESSIONAL EXPERIENCE

Company name - HI-Max Control & Solutions, Vadodara
Designation - Service Engineer (April 2013 to June2016)

Company name - Precise Automation & Controls (P) Ltd, Vadodara (**ABB SYSTEM HOUSE**)
Designation - Project Engineer (July 2016 to January 2018)

Company name - Hardcastle Petrofer Pvt. Ltd.
Designation - Assistant Manager (Plant & Process Automation) January 2018 to Present

TECHNICAL EXPOSURE

Electrical & Operation side:

- Experience in Panel maintenance, commissioning, wire layout and terminations. Good command on troubleshooting in panels. (PLC, VFD, MCC Etc.).
- Electrical & Instrumentation maintenance, Breakdown and preventive work, Spares management, Plant uptime >99%.
- Understanding, verifying and updating of **P&ID** and **electrical drawings**. Knowledge of **Auto-CAD** software. Continuous improvement activities (**Kaizen**)
- Preparing **SOPs**. Internal audit **ISO 9001:2015** & **14001:2015**. '**5S**' Implementation knowledge in brief and internal auditor. Electrical and machine Projects execution.
- Installation, programming and Commissioning of **VFDs**
 - ABB (ACS350, ACS 355, ACS550), Yaskawa (A1000, V1000, F7), Hitachi (WJ200,SJ700), Delta (VE series,C2000), Winner, Power flex (AB), Amtech, Schneider, Danfoss Etc.
- **Had experience in industries:**
 - **Pharmaceutical:** RMG, FBD, Tray Dryer, Mixers, Blister, strip sealing Etc.
 - **Food and beverages:** CIP system, batch process, UHT plant, Mix preparation.
 - **Chemical:** Incineration plant, molten salt heater, Combustion control, Process automation.
 - **Heavy machines:** Mining stacking & reclaiming, Wagon tipping.
 - **Printing:** Rotogravure, slitter, Winder, web line guide, Automation registration system etc.
 - **Petrochemical:** Batch control, Process automation, data logging, filling machine, Weighing system, Instruments (RTD, TC, FT, PT, CT PID, Cascade PID) Etc.

Automation & Process Control side:

- Familiar with Instruments (RTD, PID, Cascade PID, sensors, counters, timers, Controllers, load cell, length counter, speed meter etc.) and Process control systems. Troubleshooting the relay logic.
- **System architecture** and designing. Preparing **BOM, QOM** and **FDS** approval. Basic knowledge of "21 CFR part 11" for pharmaceutical industries.
- Hands on experience on software:
 - **PLC**: Automation Builder, CoDeSys, Compact control builder, SoMachine, Unity pro XL, Siemens TIA Portal V14. (Open to all PLC platform).
 - **SCADA**: Compact HMI (ABB SCADA), Wonderware, WinCC.
 - **HMI**: Panel builder 400, Panel builder 600.
 - PLC software knowledge of Automation builder (CoDeSys) and Initials of Schneider, Rockwell and Siemens and open to handle all PLC software.
 - Programming knowledge in **LD, FBD, ST** languages.
 - SQL server database 2014. MS SQL report Builder 3.
- Communication protocols knowledge: **CS31, Ethernet, Modbus RTU & TCP-IP, Profibus, Profinet.**
- Configuration of alarm and events, SCADA screen development, setting up trends history, I/O configuration, tag assigning, Object creation, faceplate designing in SCADA.
- Setting up **servers** with software and taking in **domain**, server client setup and communication, networking.
- PLC, HMI, VFD panels **control wiring**, testing, inspection then performing **FAT** and **SAT** activities.
- Preparation of **control philosophy** and logic with necessary **security and process interlocks**. Documents preparation for projects and approve for execution.
- **Project discussion** with customers and **co-ordination** for commissioning with end user and our team as well. Handling service engineer team for various service calls.

MAJOR PROJECTS HANDLED

❖ HEAVY INDUSTRIES

1. 16 Nos. of 6.6KV Feeders (Sugar factory)

- a. Function: Feeders for entire Plant using controller PM572 and HMI(405)
- b. Role: Programmer, FAT.
- c. Client: Gunied sugar factory, Sudan (Africa)

2. Bucket wheel reclaimer (Raw iron mine)

- a. Function: Stock pile reclaiming with conveyor using controller **PM861** and HMI (661) and SCADA system. (**ABB AC800 system**)
- b. Role: Programmer, Commissioning Engineer.
- c. Client: NMDC Limited, Bachel (Chhattisgarh)

3. Wagon Tippler System (Cement Plant)

- a. Function: To unload rail wagons in auto and manual mode. PM573 **PLC** used with 600 series **HMI**.

- b. Role: Programmer, Commissioning Engineer.
- c. Client: Zuari Cement Limited, Solapur (Maharashtra)

4. Molten Salt Heater (Combustion Control system)

- a. Role: Lead programmer, Commissioning Engineer, FAT. (AC500 PLC), HMI 7.0"(405)
- b. Client: Vishnu Chemicals Limited, Bhilai, Chhattisgarh

5. Shreeji paper Products (Paper printing unit)

- a. Function: Pop real (Winder) programming for winding the paper sheet with a proper torque with 7.5 KW motor and ABB drive.
- b. Role: Project lead, Programming and commissioning.
- c. Client: Shreeji paper Products, Daman, UT of India.

6. Green valley (Cement plant)

- a. Function: Cement plant process with 800 controller and xA system.
- b. Role: Programmer of PLC and SCADA and commissioning, updation.
- c. Client: Green valley cement plant, Jaintia hills, Meghalaya

❖ **CHEMICAL, FOOD & BEVERAGES AND PHARMACEUTICAL**

7. CIP system, 2-Circuit

- a. Role: Lead program Developer, SCADA Developer, FAT.
- b. Client: Indian Dairy Machinery Company Limited, Anand, Gujarat.

8. UF & RO System

- a. Role: Assistant programmer & FAT. (PLC PM573 and SCADA)
- b. Client: ABC Process & Solution Pvt. Ltd., Anand, Gujarat

9. Ice Cream Plant (Batch Process)

- Role: Lead PLC & SCADA developer, Commissioning Engineer, FAT, SAT. (21 CFR regulations) **(ABB 800 System)**
- Client: Devyani food Industries Limited, Asansol, West Bengal.

10. Fruit feeder

- a. Role: Assistant programmer, FAT. (AC500 & HMI405)
- b. Client: Indian Dairy Machinery Company Limited, Anand, Gujarat.

11. UHT milk processing plant with 2 circuit CIP

- a. Role: Lead programmer, FAT. (PLC PM590 and SCADA)
- b. Client: Aavin Dairy, Shollinganalluru, Chennai.

12. Vacuum pump impregnation plant

- Role: Lead programmer, Commissioning Engineer.
- Client: ABB India Limited, Vadodara, (Gujarat)

Many other projects handled which are not mentioned.

ACADEMICS

- Bachelor of Engineer in Electronics and Tele-Communication from Mandsaur Institute of Technology, Mandsaur, M.P.
- Senior Secondary Education from School for Excellence, Neemuch, M.P.
- Higher Secondary Education from Democratic English School, Neemuch

ACADEMIC ACTIVITIES

- Major Training in HINDUSTAN ZINC LTD. Debari, Udaipur on DCS & PLC.
- D.C.T.T. (Diploma in Computer Teacher Training)
- C and C++ Language certified course from NIIT Bhopal.

EXTRA CURRICULAR ACTIVITIES

- Participation in adventure game organized by Game and Youth Welfare Department.
- Participation in **State level Judo Championship** and **Divisional level Karate Championship**.
- **Bronze medal** in Ujjain Divisional Judo Championship.
- Internal auditor **certificate ISO 9001:2015 & 14001:2015**.
- **7 habits of highly effective people** (By Franklin Covey) training certificate.
- Certificate of Training on industrial **fire safety**.

PERSONAL INFORMATION

- **Date of Birth:** February 26, 1989
- **Permanent Address:** 26, Shanti Nagar, Neemuch (M.P.) – 458441
- **Contact number:** 7574818965, 8109626056.
- **Marital status:** Married.
- **Passport availability:** Yes.
- **Email ID:** rohit.mit.ec@gmail.com
- **Languages (write & Speak):** Hindi and English.
- **Interests:** To learn new things and meet new challenges.