**Roles and Responsibilities**

* Basic and detailed engineering
* Control system design and application study
* PLC & HMI/SCADA program development as per application requirement
* Network configuration and set-up
* Installation and commissioning
* Drawing creation in Auto CAD, creating edit guide for PLC program modifications.
* Design of electrical system with client specific electrical standards and safety system
* Switchgear and cable selection, cable scheduling
* Project Management
* Communicate with the client for smooth flow of the projects
* IAT, FAT.

**Professional Experience- 6 Years**

1. Compax Industrial Pvt. Ltd. Pune, India.

From January 2012 to December 2013 as a PLC Engineer.

1. Utcon Engineering Pvt. Ltd Pune, India.

From January 2014 to May 2014 as Automation Engineer.

1. Paveway Automation Pvt. Ltd. Pune, India.

From June 2014 to May 2015 as Automation Engineer.

1. Neilsoft Ltd.

From May 2015 to November 2016as an Electrical Engineer.

1. ABB Global Industries & Services Private Ltd Bangalore, India(Client Side)

From December 2016 to Till to date as Control Engineer.

**Proficiency**

* **PLC:**Controllogix, Compactlogix , AC500, S7-200, FX-series, Q-series.
* **HMI:**CP600, Soft-Touch MS-60-Series, GT2000, DOP-B series.
* **DCS:** ABB800xA.
* **Software:**Automation Builder 2.0 ABB, RSLogix 5000, Studio 5000, RSLogix 500, TIA-Portal, GX Developer.
* **Networks:**EtherNet/IP, CS31, RS232, Modbus/TCP.
* **Drives:**Schneider VFD altivar, Mitsubishi vfd d700.

**Vivek V. Hatwar**

Industrial Automation Engineer

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Mobile: +91 8600373834

**Profile Summary**

Focused Automation Engineer with over 6 years of experience in control system design, PLC &HMI/SCADA development, design & build turnkey automation systems,solution architect and installation& commissioning for various industries.

**Training and Certification**

* AC500 PLC training at ABB, Bangalore.
* 800XA DCS training at ABB, Bangalore.

**Educational Qualification**

* Bachelor’s Degree in Electrical Engineering (B.E Electrical) with distinction.
* HSC with first class.
* SSC with distinction.

**Field Experience**

* Field erection and cabling.
* Successfully commissioned various production lines and machines.

**Onsite Experience**

* Domestic sites for various phases.

**Project Experience**

* Developing system architectures including network design for PLC & Control Network.
* Ensure all engineering designs and technical data are complete and accurately documented to meet customer/end user requirement. To develop PLC & HMI Program as per machine sequence of operation, prove it on shop & site.
* Personal care products manufacturing systems.
* Designed and commissioned various manufacturing lines in Automotive.
* Design and build turnkey automation projects.
* Design and Develop drawings for the Control Panels and Sub Panels.
* Support to validation and release.
* Involved in Design for various Personal care product Lines.
* Control system validation for new application requirement.
* Internal Acceptance Test(IAT) & Factory Acceptance Test(FAT).

**Previous Projects**

* **Migration of Tenore to 800XA (Arrvand Petrochemical Norway):**

Description: Migration of old Tenore system to 800XA Graphics.

|  |  |
| --- | --- |
| Platform | ABB- 800XA DCS & Tenore Graphics Display |
| Software | 800XA & Tenore |
| Role | Developing Graphics in 800XA Engineering Tool, Developing Symbols, Symbol Scripting, Functional Testing of Graphics.  IAT, FAT. |

* **Micro Grid System-100:**

Description: ON GRID/OFF GRID SOLAR SYSTEM.

|  |  |
| --- | --- |
| Platform | ABB- AC500 PLC, CP600 HMI |
| Software | Automation Builder, Panel Builder. |
| Role | Logic development & Screen Design, Implementation of Modbus communication with third part device, IO Allocation & testing, FAT & Commissioning. |

* **Migration of PPB to Symphony Plus Operations (Axalta Front Royal-US)**

Description: Migration of old PPB system to Symphony Pluse Graphics.

|  |  |
| --- | --- |
| Platform | ABB- Symphony Plus & PPB Graphics Display |
| Software | S+ & PPB |
| Role | Developing Graphics in 800XA Engineering Tool, Developing Symbols, Symbol Scripting, Functional Testing of Graphics.  IAT, FAT. |

* **Maersk Culzean FSO Singapore:**

Description: Power Management System (PMS)

|  |  |
| --- | --- |
| Platform | ABB- AC500 PLC, 800XA, |
| Software | Automation Builder. |
| Role | Logic development &HA Logic Development,Implementation of Modbus communication with third part device, IO Allocation & testing, FAT & Commissioning. |

* **Kimberly-Clark Child Care Product China:**

Description: Premier diaper pant project Tanjing China, complete electrical Design of Diaper Pant machine Running at 1200 PPM.

|  |  |
| --- | --- |
| Platform | Designing Using AutoCAD |
| Software | AutoCAD |
| Role | Interaction with international client for project execution from offshore, Validation of design input control circuit design for diaper making machine, BOM as per project, Creation of various installation and support documents. |

* **Scarfing module installation for diaper manufacturing machine at Kimberly-Clark, Pune:**

Description: Automatically tests cluster various indicators like Speedo meter, Taco meter, Fuel level indicator, Lcd check, EEPROM Writing and other necessary indications on Bajaj Pulsar 220 & KTM Duke Bikes.

|  |  |
| --- | --- |
| Platform | Delta Automation- Delta-10SX series, DOP-B seriesHMI |
| Software | WPLSOFT |
| Role | Electrical design, Logic development & I/O configuration, Development of HMI screens, Alarms, trends, Field termination & Calibration of all field instruments, Final Commissioning at site. |

* **lamp black plate screwing of Renault Duster Lamp:**

Description: Assembly making of car lamp.

|  |  |
| --- | --- |
| Platform | Mitsubishi- Fx3u, DOP-B series HMI |
| Software | GX Developer |
| Role | Electrical design, Logic development & I/O configuration, Development of HMI screens, Alarms, trends, Field termination & Calibration of all field instruments, Final Commissioning at site. |

* **Cooling Conveyor HONDA car limited Rajasthan:**

Description: Material handling system in which crank shaft temperature decrees from 1180 ℃ to 40 ℃ by using blower and suction.

|  |  |
| --- | --- |
| Platform | Mitsubishi- Q03UDE, GT2000HMI |
| Software | GX Developer, GOT HMI developer. |
| Role | Electrical design, control system design,network configuration, PLC/HMI development. |

* **Binder Dossing System:**

Description: Automatically Mixing of chemical (Resin and Hardener) in sand and distribution for core shooter SPM in Foundry.

|  |  |
| --- | --- |
| Platform | Mitsubishi- Nexgen 5K, Soft-Touch MS-60-Series HMI |
| Software | Codesys, Soft-Touch |
| Role | Electrical design, control system design,network configuration, PLC/HMI development, Final Commissioning at site. |

* **Core shooter in vertical, horizontal, rotary table type SPM:**

Description: Automatically Sand core making SPM for Foundry.

|  |  |
| --- | --- |
| Platform | Mitsubishi- Nexgen 2K, Soft-Touch MS-60-Series HMI |
| Software | Codesys, Soft-Touch |
| Role | Electrical design, control system design,network configuration, PLC/HMI development, Final Commissioning at site. |

**Personal Details**

**Address:**Manegaon(Bazar) Tal-Bhandara, Dist-Bhandara, 441924

**DOB:** 31/07/1990

**Passport No:**N2522193

**Material Status:** Single