PRABHU KIRAN VEERAMANENI

Sharjah Emirate, UAE • +971-545391838/+91-9493495282 • Prabhukiranveera@outlook.com • LinkedIn

I&C Engineer

Analytical and results-driven engineer with valuable experience designing, installing, and commissioning complex instrumentation and control systems across various industrial projects, including oil and gas, marine, and fire. Instrumental in analyzing and integrating advanced instrumentation solutions to optimize process efficiency and enhance safety and quality control. Proven success in monitoring and controlling temperatures, pressures, and other operational indicators to detect and rectify equipment issues. Insightful leader, skilled in leading cross-functional teams, managing project documentation and reporting, and scheduling work activities to drive successful project outcomes. Demonstrated capacity to maximize system performance via comprehensive calibration, parameterization, and maintenance of field instruments, drives, and control devices. Proficient in conducting detailed pre-commissioning tests and maintaining adherence to compliance standards.

CORE COMPETENCIES

- Control Systems Integration
- Alarm Management
- Troubleshooting & Issues Resolution
- Electrical & Instrumentation Design
- Advanced PLC Programming

- Safety System Implementation
- SCADA Design
- HAZOP Study
- Project Management
- Technical Documentation

- Regulatory Compliance
- Team Leadership
- FMECA Study
- Reliability & Maintenance
- Process Designing

PROFESSIONAL EXPERIENCE

Marsol Technologies FZE • UAE   **2022 – Present**
E&I Project Engineer

Manage assigned engineering projects by generating detailed plans, scheduling work, organizing team activities, and evaluating performance to meet project milestones. Develop control panels, program **PLCs**, generate **HMIs**, and oversee installation and commissioning procedures to guarantee smooth integration and optimize operating efficiency. Lead quality control by overseeing the budget, schedule, plans, and staff performance and delivering regular status updates to stakeholders.

- Designed and developed engineering documentation, including **Functional Descriptions**, **Cause and Effect Diagrams**, **SAT/FAT Procedures**, **Loop Drawings**, **Single Line Diagrams** (**SLD**), and **IO Lists** to enhance compliance with technical standards.
- Ensured timely delivery and streamlined project development by supervising acquisition of materials, initiating inquiries, analyzing projections, executing purchase orders (**POs**), and managing follow-ups.
- Supported informed decision-making by producing and evaluating diverse management reports during project lifecycle.
- Minimized disruptions and maintained uninterrupted development during construction phase by assigning manpower and coordinating material and machine resources.
- Provided accurate tracking and control throughout project lifecycle by streamlining transmission of project documents.
- Defined project parameters, assigned tasks to team members, and provided strategic direction to enhance team coordination and ensure effective project execution within timelines.
- Maintained system functionality and adherence to operational standards while executing installation and commissioning of **DIFF Systems** on **helidecks**.
- Contributed to detecting and minimizing potential hazards and reduced risk of system failures by engaging in various **HAZOP** (**Hazard and Operability**) studies, focusing on **safety system improvement** and **alarm management**.
- Assured successful system integration and verified equipment performance by participating in **Site Acceptance Testing (SAT)** and **commissioning operations** for customers throughout the world.

Al Asab General Transport and Contracting Establishment • Abu Dhabi, UAE   **2019 – 2022**
E&I Engineer

Assessed high-risk operations, evaluated work patterns, and oversaw deployment of risk-management initiatives while complying with **ADNOC HSE** (Health, Safety, and Environment) rules to uphold safety standards. Directed construction staff in assembling different **GL** (Gas Lift) Wells, **PWRI** (Produced Water Re-Injection) Wells, **WAG** (Water-Alternating-Gas) Wells, Remote De-Gassing Stations (**RDS**), and Central De-Gassing Stations (**CDS**) to assure efficient and precise project completion. Provided compliant workplace by creating **PTW** (Permit to Work) System documents for work activities and conducting first-site setups.

- Addressed all identified risks and operational concerns while engaging in **HAZOP** (Hazard and Operability) evaluation sessions.

- Installed solar panels and related equipment, including **CCU** (Charge Control Unit), **DB** (Distribution Box), and **Battery Box**, while connecting solar wires, operating glanding, and terminating connections to retain optimal system reliability.
- Detected and repaired leaks in tubes and tube joints by performing hydraulic tube flushing to prevent potential breakdowns.
- Enabled accurate pressure measurement by fitting pressure transmitters and impulse tubing for gas and oil pipelines.
- Improved system control and safety measures through installation of motor-operated control valves, hydraulic oil-operated safety valves, and shutdown valves.
- Installed **WHCP** (Well Head Control Panel), linked tubing to the **wellhead**, and erected **RTU** (Remote Terminal Unit) systems while enhancing stability of system and refining control operations.
- Followed **ADNOC LSR** (Loss Prevention and Safety Rules) and implemented **PTW** (Permit to Work) System to assure compliance with safety requirements and reduce hazards.
- Oversaw the usage of an optical time domain reflectometer (**OTDR**) to test fiber optic cable (**FOC**) to ensure precise diagnoses and efficient cable performance.
- Reviewed cause and effect linkage during field pre-commissioning of fire and gas systems to verify system operations.
- Applied **SAT** (Site Acceptance Test) protocols for **WHCP** (Well Head Control Panel), **RTU** (Remote Terminal Unit), and **CI-SKID** systems for thorough testing of equipment functionality.

Prolific systems and technologies Pvt. Ltd • Hyderabad, India   **2018 – 2019**
Automation Engineer

Performed maintenance on **Siemens AC** and **DC drives**, **PAC meters**, and **soft starters** to ensure consistent operation and reduce system disruption. Enhanced system visibility and access by developing PLC programs and creating **HMI** and **SCADA** visuals using **WINCC** Professional, Advanced, and Flexible.

- Installed and certified **SIEMENS PLC, HMI**, and **PCS-7** systems to streamline automation operations.
- Fitted and integrated **MASS 2100, FUS060**, **Sipart PS2** positioners, and **IFM IO** connection modules **AL1100** to improve control and communication within system.
- Set up and installed **SMART** field instruments, including **TH300, TH400, LR250, CLS200, FC MASS 6000**, and **MAG 5000** to achieve accurate estimation and system monitoring.
- Increased system usability and automated efficiency by configuring and programming **AB500 PLC** utilizing **RS LOGIX.**

EDUCATION

Bachelor of Technology in Electronics and Instrumentation Engineering

Velagapudi Ramakrishna Siddhartha Engineering College (2018) | GPA: 83.9

Diploma in Applied Electronics and Instrumentation

AANM & VVRSR Polytechnic College (2015) | GPA: 8.8

PROFESSIONAL DEVELOPMENT

Complete Smart Plan Instrumentation-SPI Course (Intools) • 2024

Published an IEEE paper on "Construction and Control of an In-Pipe Robot Using LabVIEW" during ICECA • 2018

Participated in the Mechatronics stream at INDIASKILLS • 2018

Attended courses on "Basics of PLC, SCADA, HMI Networking" and "Basics of SIMATIC PCS 7 DCS" organized by APSSDC and Siemens Center of Excellence

AWARDS & RECOGNITION

Awarded a Gold Medal in Mechatronics at APSKILLS • 2018

Received the Best Project Award from TCS • 2018.

TECHNICAL PROFICIENCIES

Programming Languages:	C | Ladder Language | STL (Structured Text Language) | CFC (Continuous Function Chart) | FBD (Function Block Diagram) | Graphical Design | Python | Arduino
Devices Worked on:	S7-1500 | S7-1200 PLC | S7-300 PLC | S7-400 DCS PCS-7 | AB500 | AB5000 | NI myRIO | NI myDAQ | Arduino | HART 475
Software:	LabVIEW | Siemens TIA Portal | Simatic Manager | Simatic WinCC | InTouch | CODESYS | Multisim | Simatic PDM | CIROS | Simatic Manager PCS-7 | RSView | RSLogix | FluidSIM | AutoCAD | ZWCAD

LANGUAGES

English (Professional Working Proficiency) │ **Hindi** (Bilingual/Native Proficiency) │ **Tamil** (Bilingual/Native Proficiency) │ **Telugu** (Bilingual/Native Proficiency)