

Meghdad Ahmadi

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### **Professional Field Service Engineer**

#### **Education:**

- **MS Degree: Master of Science in Electrical Control Engineering**  
Graduated date: March/ 2014  
Azad University
- **BS Degree: Bachelor of Science in Electronic Engineering**  
Graduated date: Feb/2012  
Azad University

#### **Career Highlights**

- *7 years experienced in automation and repair as per European Standard*
- *Expert in 8+ Automation Systems' software*
- *Experienced in installation, commissioning and electrical repairing.*
- *Expert in industrial electrical equipment PLCs, motors and Frequency inverters repair and trouble shooting.*
- *Motivated team member with organizational and prioritization abilities.*
- *Professional hands on engineer, fast learner and analytical thinking.*
- *Excellent in technical writing and verbal communications.*
- *Service engineering executed under team working and I have experience in both of an effective member of a team and a team leader. I made a documentation of any activity or solving problem by root cause study technique. My experiences were about these items:*

#### **Summary of Duties and Responsibilities:**

- *Safety-focused Electrician highly effective in electrical and electromechanical troubleshooting.*
- *Safety cultural minded in electrical and electron mechanical repair and troubleshooting.*
- *Highly experienced Electrician with more than 7 years experiences in Automation, Instrumentation and control engineering. (Installation, repair, commissioning and troubleshooting)*

#### **Work Experiences:**

**KRONES AG, Machinery, Neutraubling, Bavaria, Germany** Middle East branch Mar/ 2018 to Present

**Position:** Field Services Engineer

#### **Duties and responsibilities:**

Installation, commissioning and service of beverage and dairy production lines in all kinds of PET, Can and glass bottle.

- ✓ Installation:
  - On site. Machine placement, assembling and leveling.

- Carry out cable tray, pulling cables, checking and installation electrical cabinets, termination the wires. Spot and stud welding.
- ✓ Commissioning:
  - Modifying the speed of conveyors to set them synchronized.
  - Input-output test of sensors and actuators.
  - Motor, safety devices, cable isolation and power test.
  - Commissioning packaging, processing system and inspection units.
- ✓ Troubleshooting:
  - Troubleshooting motors and frequency converters, modification and tracking through PLC programs, troubleshooting ASI system (controller, interface and sensor-actuator).
  - Troubleshooting of variety kinds of network and data transmission.
  - Troubleshooting power supply, synchronization issues.

**SOCOMEC, Electrical & Electronic Manufacturing Belfield, France Middle East Branch** Apr/2016– Dec/2018

**Position:** Field Service Engineer

**Duties and responsibilities:**

- Installation and commissioning of variety kinds of UPS and power solution from 1KVA to 400KVA Analyze and power management of cable sizing, fuse sizing, calculation of required power equipment.
- Communication protocols expert such as Modbus RTU, Profibus, etc.
- Installation, commissioning, validating and making an integrated network of variety type of power analyzer.
- On the job training (OJT) for the customers as per their desire and my organization authorization.

**Borujerd Textile Company, Textile Manufacturing Borujerd** May / 2013– Mar/2016

**Position:** Service Engineer

**Duties and responsibilities:**

- ✓ Maintenance and fixing of motors (AC, DC and servo types), motors inverter drives, PLC and related modules, variety types of controllers (humidity, temperature, level meters), HMI (SIENENS OP17), All kinds of electronic PCB boards, sound systems and electrical panel.
- ✓ Installation commissioning and troubleshooting of machines, PLC, Motors and drives, Sensors and actuators, Conveyors Couplings and gearboxes.
- ✓ Updating the existing devices as per Research and Development plan.
  - Control System Automation updating, by replacing product with HMI and PLC, Also replacing AC motors and inverter drives instead of DC type.

- ✓ Dealing with Mechanical System as bearings, couplings, gear boxes, screws, nuts, O-rings, hydraulic and pneumatic systems.
- ✓ Calibration and validation:
  - Calibration weight system, temperature system, change hysteresis rate of controllers, validate appropriated reference value for produce system.

**Achievements:**

- Successful in implementation of customer job in satisfaction due to in respect their operations time frame.
- Successful in obtaining proper an accurate technical approach within the approved man power time frame.
- Strong attention in root cause study acquiring in job compliance.

**KEY SKILLS AND CHARACTERISTICS**

- Excellent learner and listener.
- Friendly, courteous, and service oriented.
- Self-assured, patient and not quickly jump in to conclusion under pressure.
- Quality Assurance minded.
- Excellent Team work player.
- Following the standards, manuals for service and troubleshooting.
- Friendly and respectful behavior.
- Strong mechanical aptitude and experiences.
- Microsoft excel, word, power point and outlook.
- Automation software: Simatic step 7, MCT 10, DART, zenon etc.
- Calibration and validation.
- Wiring schematic reading and rework.
- Expertise in troubleshooting beverage and power supply machines.