



# ALI HAZZAZI

## Summary

Mechanical and Automation engineer with 7+ years of experience in Mechanical Production and Automation Controls. Highly skilled in regulations and safety compliance and continuous improvement in manufacturing and production settings. Proficiency in AutoCAD, SCADA, SolidWorks mechanical design software, and full life cycle product development and installations. Experienced in major mechanical installations, project commissioning, and Start-Ups. Skilled at Configuring, Developing, and monitoring Remote Terminal Units on SCADA. currently seeking further challenges and opportunities to grow and contribute to organizational growth through effective management of field operations and Automation control systems.

## Experience

### Automation/Validation Engineer

01/2022- Present

PQE/Pfizer Global Supply | Kalamazoo, Michigan, USA

- Conducted testing and analysis on machine components, HMI SCADA, and PLC systems as part of the qualification and problem-solving efforts.
- Troubleshoot machines in electrical, PLC, hydraulic & pneumatic systems using FactoryTalk View, Studio 5000.
- Performed APACS DCS and Wonderware HMI Programming, Rockwell, and plant startup.
- Performed troubleshooting for electrical, PLC, hydraulic & pneumatic system machines using FactoryTalk View, Studio 5000.
- Performed statistical analysis using Minitab, Design of Experiments (DOEs), and sampling techniques.
- Responsible for validation and implementation of PLC, HMI, and SCADA software for control systems and equipment.
- Executed Qualification and Re-Qualification protocols for the Manufacturing Equipment utilizing HMI, SCADA, and PLC/Process and aseptic areas.
- Provided engineering and technical solutions while maintaining daily functions of manufacturing.
- Performed the Facility Performance Qualification for the Quality Control lab by monitoring limits and current Good Manufacturing Practice (cGMP).

### Field Service Engineer

02/2021- 01/2022

Rainbow Computer Technology | Rochester, NY, USA

- Establish and maintain a continuous positive relationship with customers, including support and follow-up on customers' concerns and problems.
- Provide remote troubleshooting of operations, including phone calls, emails, and remote data monitoring.
- Perform site management, process engineering, controls, and automation engineering for installation, start-up, and commissioning of our engineered systems.
- Execute site acceptance testing – partner with the customer, manage and/or support the startup team for this function.

### Engineering Aide

02/2013- 05/2015

Saudi Aramco | Dhahran, KSA

- Performed a full life cycle of product development (design, develop, test prototypes, manufacture, and implement).
- Revise blueprints and diagrams to assemble and inspect Remote Terminal Units on SCADA System, closely monitoring for functionality and efficiency.
- Match products to customer specifications and drawings by demonstrating knowledge of products and preparing basic quotations for quick turnaround.
- Collaborating with other Engineers to design, develop, test, and improve products and Engineering Processes.
- Ensure adherence to all applicable regulations, policies, and procedures for health, safety, and environmental

compliance.

- Maintain professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks and participating in professional societies.
- Record and investigate unplanned events to effectively resolve the issue and set up processes and solutions to avoid recurrence.

## Machinist

12/2009-02/2013

Saudi Aramco | Dhahran, KSA

- Conducted an overhaul of major equipment pieces, including pumps, steam and gas turbines, compressors, valves, and industrial electric motors to ensure compliance with established operating and safety standards.
- Provide technical support to manufacturing and assembly during the build phase both remotely and on-site.
- Provide maintenance and troubleshooting assistance in the manufacturing processes.
- Ensure adherence to all applicable regulations, policies, and procedures for health, safety, and environmental compliance.
- Keep equipment operational by coordinating maintenance and repair services, following manufacturer's instructions, and establishing procedures.

## Skills

- Ability to work successfully both individually and in team environments.
- Strong troubleshooting, analytical, and organizational skills.
- Works independently with minimal supervision.
- Quick learner; able to adapt to new technologies rapidly.
- Excellent computer proficiency (Microsoft Office Applications) Excellent verbal and written communication skills, including effectively communicating with internal and external customers.
- Highly motivated & able to conduct myself professionally.
- Proficient in SOLIDWORKS, SCADA, and MATLAB, working knowledge of AutoCAD.
- Ability to plan, prioritize, work under pressure and meet deadlines, while maintaining a positive attitude and providing exemplary customer service.
- Solid understanding of core concepts including mechanics, kinematics, thermodynamics, materials science, etc.

## Education and Certificates

**Bachelor of Science:** Mechanical Engineering 12/2020  
West Virginia University | Morgantown, WV  
Minor in Business Administration

**Occupational Safety and Health Administration (OSHA) 30 Hrs.** 11/2019

**Project Management Professional (PMP)** 02/2021

## Memberships

**The American Society of Mechanical Engineers (ASME).** 12/2020

**Saudi Council of Engineers** 05/2022