



ABD ALAZIZ MOHAMED

INSTRUMENTATION ENGINEER

CONTACT ME AT

Phone: +201068556178

Email: abdelazizelkanga@gmail.com

Address: Alexandria - Egypt



PERSONAL INFO

- Nationality: Egyptian
- Date of Birth: Jul 1994
- Marital Status: Married
- Military Status: Exempted

EDUCATION

Bachelors Degree in Mechatronics
Engineering

AIET (Alexandria Higher Institution of
Engineering and Technology), 2018

Graduation Project : Implementing a CNC
machine

LANGUAGE

- Arabic: Native (C2)
- English: Excellent (C1)

PERSONAL PROFILE

Experienced Instrumentation Engineer with a strong background in maintenance, commissioning, and customer service. Skilled in calibration, repair, and optimization of field instruments, ensuring efficient and safe operations. Proficient in implementing proactive maintenance strategies, collaborating with cross-functional teams, and delivering exceptional customer support. Holds a Bachelor's Degree in Mechatronics Engineering from AIET . Committed to continuous learning, problem-solving, and driving process improvement for enhanced productivity and customer satisfaction.

WORK EXPERIENCE

Instrumentation Engineer

EMC-Alamria, Free Region, Midor Refinery - Alexandria (Jan 2020 - Present)

Key Achievements:

- Implemented a comprehensive on-the-job training program for new helpers, resulting in enhanced skill development and improved performance of the subordinate staff.
- Ensured strict adherence to safety protocols, particularly in relation to work permits and isolation certificates, leading to a significant reduction in safety incidents during maintenance activities.
- Successfully repaired and calibrated various field instruments, including FT, PT, LT, TE, PSL, TSH and valves, according to job plans, ensuring accurate measurement and control of refinery processes.
- Developed a streamlined inventory management system, creating a list of supporting materials such as fittings, tubes, and Teflon tape required for specific jobs, improving efficiency and reducing downtime.

Role Summary:

- Supervised and evaluated the activities of instrument technicians and helpers, providing guidance and support to enhance their capabilities.
- Reported completed activities, including recommendations and failures, to the Superintendent, ensuring effective communication and documentation.
- Adhered to the refinery's permit system and procedures for opening/closing work permits from the main control room, maintaining a high level of safety and compliance.
- Maintained a strong attendance record, consistently punctual and reliable in fulfilling job responsibilities.

WORK EXPERIENCE

Maintenance and Production Engineer

Amer Group – Electronic Industries, Alexandria – Egypt | June 2018 – June 2019

Key Achievements:

- Implemented process improvements that significantly increased production speed, resulting in enhanced productivity and cost savings.
- Led a team of technicians in performing preventive and corrective maintenance tasks, ensuring optimal performance of machinery and minimizing production disruptions.

Role Summary:

- Oversaw maintenance and production activities, ensuring adherence to safety standards and quality control measures.
- Coordinated with suppliers and vendors to ensure the availability of spare parts and materials for maintenance and production processes.
- Utilized root cause analysis techniques to identify and resolve equipment failures, reducing downtime and improving overall equipment effectiveness (OEE).
- Conducted regular inspections and audits to assess the condition of machinery and equipment, proactively addressing maintenance needs and avoiding potential breakdowns.

Instrumentation Engineer

Petromaint Corporation, Alexandria, Egypt | July 2019 – December 2019

Role summary:

- Executed precise calibration and maintenance of various instrumentation devices and control systems, ensuring their accuracy and reliability in a high-stakes industrial environment.
- Diagnosed complex instrumentation issues swiftly, reducing downtime and production interruptions through effective problem-solving techniques.
- Collaborated with cross-functional teams to design and implement control systems, including PLC (Programmable Logic Controller) programming and HMI (Human-Machine Interface) development.
- Ensured strict adherence to safety protocols and standards, implementing safety measures that resulted in zero safety incidents during my tenure.

Key Achievements:

- Led a team in upgrading critical instrumentation systems, improving process control and accuracy, which led to an increase in overall operational efficiency.
- Implemented inventory optimization strategies, reducing excess stock levels while maintaining equipment reliability, resulting in substantial cost savings.

SKILLS

Professional Skills

- Equipment Maintenance and Troubleshooting
- Process Optimization and Efficiency Enhancement
- Safety Protocols and Compliance
- Inventory Management and Materials Planning
- Data Analysis and Reporting
- Instrumentation Diagrams and Workflow Interpretation
- Conflict Resolution and Negotiation

Personal Skills

- Critical Thinking and Problem-Solving
- Attention to Detail and Accuracy
- Time Management and Prioritization
- Adaptability and Flexibility
- Customer Service and Relationship Building
- Continuous Learning and Skill Development

REFERENCES

- All references are available upon request