

# LAEEQ ZAFAR

Industrial Maintenance Supervisor | Electrical and Computer Engineer | PMP

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## PROFESSIONAL SUMMARY

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- A result-driven professional with over 9 years of progressive engineering, maintenance and analytics experience in an industrial manufacturing and oil and gas production/services environment.
- Experienced in site upgradation and overhauling projects with department budgets of over 3M USD.
- Proficient in troubleshooting, repair, and maintenance of electrical systems with a track record of 100% success in all troubleshooting assignments. Experienced in effectively leading & managing unionized workers.

## WORK EXPERIENCE

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### Tenaris In Canada

*Maintenance Supervisor (Electrical/Mechanical)*

**Sault St. Marie, Canada**

*March 2023 - Present*

- Lead and manage teams of unionized mechanics, electricians, and team leaders in routine and emergency maintenance activities at a steel pipe manufacturing mill; ensuring all tasks meet KPI requirements with 100% compliance of HSE standards. Record/manage activities/resources in SAP CMMS.
- Provide technical oversight and assist with complex troubleshooting tasks (electrical and mechanical), conduct failure analyses and implement changes to improve equipment reliability and operational performance. Under my supervision, our team achieved a 30% reduction in repeated failures over 16 months.
- Plan and undertake equipment upgrades and continuous improvement projects to optimize process and equipment efficiency. Prepare, update, and maintain all technical and project/process documentation.
- Optimize the availability and allocation of material and manpower (including contractors). Forecast annual department budget (Opex/Capex) and address the department's concerns with higher management.
- Provide, arrange and manage training for all shop-floor employees.

### ADNOC Drilling

*Site Electrical Engineer/ Supervisor (Offshore)*

**Abu Dhabi, UAE**

*June 2015 to Dec. 2021*

- Lead all predictive and preventive maintenance activities with 100% compliance to HSE requirements and standard operation procedures (SOP); occasionally working in Ex-rated areas (ATEX Zone 0 – H<sub>2</sub>S)
- Supervised and lead the entire electrical maintenance crew of 6 technicians; occasionally dealing with third-party service providers as well. Managed all jobs/work-orders and resources using SAP CMMS.
- Reduced operating costs by preventing shutdowns and implementing timely corrective actions to minimize non-productive time. Analyzing failures and forecasting inventory/spare requirements accordingly.
- Collaborated across rigs and onshore departments to implement continuous improvement initiatives and achieve outstanding KPI targets; awarded rig of the year in 2017 & 2019.
- Played a key role in ensuring integrity of electrical systems and smooth operations by assisting crews on over 5 jack-up drilling rigs to overcome Covid-19 related manpower and material deficiencies across the fleet.
- Lead and managed all electrical aspects of rig major maintenance and overhauling projects onboard multiple jack-up drilling rigs, dealing with equipment from a variety of manufacturers. Project responsibilities included:
  - Collecting requirements: advising on upgrades and necessary overhauling jobs.
  - Prepare engineering SOW based on historical equipment data and operational requirements.

- Manage and supervise contractors during jobs, supervise installation and commissioning ensuring standards and specifications are followed; formal acceptance and final documentation.

## EQUIPMENT AND TECHNICAL SKILLS

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Extensive experience in working hands-on with the following equipment and tools:

- **AC/DC motors** up to 3000HP
- Drive controllers (**VFD/SCR**) and Dynamic braking systems – upgraded several legacy DC motor/drive systems to AC/VFD. Highly experienced in dealing with **ABB ACS drives**
- Industrial Automation and Instrumentation:
  - PLC programming (**Allen-Bradley, Modicon, Siemens** and others)
  - Profibus/optic-fiber networks etc.
  - Field sensors and transducers – HMD's, Proximity switches, photo-eyes, pressure transducers etc.
- Data recording and trend/failure analysis using tools such as **Power BI, iBA**
- Troubleshooting of **Hydraulic** and **Pneumatic** control systems
- Power generation and Distribution, power system protection, emergency power (UPS, E. gen), transformers etc.
- Well-versed in productivity tools and programming languages such as – Jira, Asana, MS Project, SolidWorks, LabView, Python, C++

## EDUCATION

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### **University of Waterloo**

*Master of Engineering in Electrical and Computer Engineering*

**Waterloo, Canada**

*Jan 2022 - Dec 2022*

### **Khalifa University of Science Technology**

*Bachelor of Science in Electrical Engineering*

**Abu Dhabi, UAE**

*May 2011 – Dec 2015*

## CERTIFICATIONS

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- Project Management Professional (PMP) – PMI
- CompEx Explosion Proof Fundamentals
- Supervisor Health and Safety Awareness in 5 Steps
- UPS Design and Troubleshooting – Chloride/Emerson
- Microsoft PL300 – Data Analyst
- Advanced PLC Programming
- CAT3500 Diagnostics and Troubleshooting
- Canadian Red Cross – Standard First Aider