

# Yasser Mohamed Adam Alimam

## Electrical Engineering

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**NOC: AVAILABLE**



**Personal Details:** Nationality - Sudanese • Male • Married

Professional Engineer with over 13 years' experience managing complex projects and operations. Well-versed in ensuring availability and optimum functionality of production plant, electrical systems, instruments, and equipment with associated processes and requisites. Demonstrated ability to improve operational performance through process automation. Articulate communicator with proven history of rapport building across multi-disciplinary functions. Skilled problem-solver, supporting the accomplishment of individual and shared goals.

### ***Areas of Expertise include:***

- Project Management
- Electrical/Mechanical Systems
- Equipment/Instrument Servicing
- Hydraulic, Pneumatic, Heating & Cooling Systems
- Power Generation & Distribution Systems (Gensets, Transformers and switchgears)
- PLC's Programming
- Technology Implementation
- Process Improvement
- Water Treatment processes
- Servers and DCS systems
- Power UPS systems up to 500 Kva
- Steam Boilers Diesel & LPG fuel Systems
- Reporting & Documentation
- HSE & Regulatory Compliance
- Leadership & Staff Development
- Refrigeration compressors, coils, valves, condensers, chilled water, cooling towers, pumps and other associated cooling equipment

## Professional Experience

### **ALWAJBA DAIRY AND JUICE FACTORY • Doha, Qatar**

#### **SENIOR ELECTRICAL AND AUTOMATION ENGINEER • 8/2019 – Present**

Supervise overall installation of the plant and establishment of various sections. Play a key role in incorporating electrical (with power and control) and automation operational structure within the plant. Ensure appropriate power distribution to the factory and conduct load evaluation on cables, MCCs, and MDBs, while modifying the processes in alignment with new/provided specification within set time and irrespective of harsh conditions. Lead & coordinate the maintenance activities for a range of Control Systems & field Instrumentations such as Distributed Control System (DCS), Emergency Shutdown Down (ESD) system, Control valves, VFDs, RTUSs, etc.

#### **Key Accomplishments:**

- Installed new factory machines within timely constraint that reduced operational cost by 30%.

### **DAL Dairy Factory – CAPO • Sudan**

#### **SENIOR ELECTRICAL AND AUTOMATION ENGINEER • 7/2013 – 7/2019**

Oversaw and contribute in managing factory operations, including fresh filling, PET, and UHT areas for dairy and juice products with the production of 400 tons' material. Ensured full maintenance of plant's instruments and control systems powered by PLCs of Allen Bradley, Omron, and Siemens Wincc SCADA system. Maintained plant's power station of 10 MW value and eight units of Caterpillar GenSets. Set and monitored KPIs and modified various areas, including BD, ad-hoc and PM, cost, and staff utilisation within electrical and automation departments. Headed overall activities within the departments and plant while documenting the whole process to ensure smooth flow of information for operational excellence. Provided training to the team members to develop professional expertise as per company's policies, procedures, and standards.

#### **Key Accomplishments:**

- Reduced electricity cost by replacing the traditional lights with the LED ones.
- Improved operational processes through automation of various tasks and guided the maintenance team to accomplish resource utilisation of 75%.
- Ensured availability or required spare parts, machinery, and equipment by reducing breakdowns and complying with set procedures and standard practices.
- Promoted/contributed in executing quality initiatives to increase staff's participation via interaction.

## Higleg Petroleum Services and Investment Company • Sudan

### ELECTRICAL ENGINEER • 1/2006 – 2/2012

Played a key role in roads and airports construction projects by managing various asphalt mixing plants equipped with electrical devices and instruments, Controlled the plants' functionality through various simple and computer-based PLCs. Maintained and serviced electrical components. Contributed in increasing availability of machinery and equipment through diagnosis and repairing/servicing.

#### Key Accomplishments:

- Automated the functioning of mixing machines and optimised performance.
- Devised/introduced scheduled preventive maintenance system for machinery as per operating hours.
- Engaged managers and subordinates, shared innovative ideas/concepts, and achieved set targets.

## Education & Credentials

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### Bachelor Degree of Electrical Engineering

SUDAN UNIVERSITY OF SCIENCE & TECHNOLOGY | Sudan

#### Courses from Dal Group

- Supervisory Skills | Creating an Empowering Environment | Workplace Safety Risk Assessment | Time Management | Change Management | Coaching
- Project Management Professional Preparatory course PMP, Sudan
- Level 3 Food Safety ISO 22000 HACCP
- ISO 9001:2008 Quality Management System
- ISO 22000 Food Safety Management System

#### Training Courses by SIMATION South Africa

- S7 PLC Fundamentals, Intermediate, and Advanced Workshop
- S7/ HMI - SCADA with WinCC
- Sinamics Drives Module 1 using G120

#### Technical Proficiencies

- MS Office | Internet | Networks | AutoCAD
- Knowledge of IEC, NEC, NFPA, BS, NEMA, NETA... etc. Codes / Standards

#### Languages

- English – Fluent (IELTS Test Certificate) | German - Basic