

# ABDELAZIZ MOHAMED

## ELECTRICAL ENGINEER

Dubai UAE  
ADP(DXB)

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### Objective

Driven Electrical Engineer with 3+ years of experience in Power & control systems, PLC Wiring & programming, Matlab and solar power system design. Proven track record in leading maintenance teams, reducing downtime, and implementing innovative solutions. Seeking to leverage technical expertise and leadership skills to contribute to cutting-edge projects in electrical engineering.

### Experience

**SHENZHEN CIMC-TIANDA AIRPORT SUPPORT LTD** 06/2024 - 07/2025

#### Dubai International Airport

Electrical Engineer

- Assigned The maintenance tasks to the team based on work requests.
- Coordinated with the Senior Manager Airside (SMA) to Open/Close The permit to work (PTW) once starting & ending the work
- Directs onsite contractors for (AMC) annual maintenance contracts for equipment (PLB, GPU, PCA)
- Technical Documentation: Authored, reviewed, and updated critical Standard Operating Procedures (SOPs), Method Statements, and Risk Assessments for maintenance activities, emergency retractions, and software updates, ensuring compliance with Dubai Airports and HSSE standards.
- Responded to THD calls from airside regarding breakdowns or client reports of malfunctioning on company assets.
- Managed the inventory procurement process by raising material requests in Maximo, Maintained accurate logsheets. specifying exact serial numbers and technical specifications to ensure the correct parts were available for planned and corrective maintenance.
- Led quarterly maintenance for Ground Power Units (GPU), Preconditioned Air Units (PCA), and Passenger Loading Bridges (PLB) following the Checklist points and HSSE instructions.
- Conducted weekly and bi-weekly inspections of mechanical and electrical equipment for PLB, GPU, PCA, and rooftop A/C units, following inspection checklists.
- Performed maintenance on malfunctioning units, including replacement and repair of spare parts.
- Audits & Reporting: Prepared for and participated in weekly audits. Generated detailed technical reports on maintenance activities, equipment status, and incident reports for senior management.
- Scheduling and planning the calibration of Site devices & equipment such as GPU Load Bank, multimeters, PAT Device.
- Ensured team adherence to HSSE safety standards and proper use of Personal Protective Equipment (PPE).
- Managing the maintenance recording using The IBM Maximo software (CMMS) regarding the preventive maintenances (PM) or corrective maintenances (CM) or condition Base maintenances (CBM) or Quarterly maintenance
- Worked Morning or night shifts as assigned by the roster planner.
- Conducting The IP address Configuration for all the asset for HMI, CAMERAS, GPU ...etc

#### Tanglewood Investment.Ltd

08/2022 - 04/2023

Maintenance Engineer (Diebold Nixdor ATMs)

- Installing and configuring ATM machines. Troubleshooting and maintaining ATM machines.
- Managing software and hardware upgrades. Providing on-site technical support for customers.
- Conducted a weekly inspection for the ATMs
- Conducted a breakdown maintenance for faulty ATMs
- Conducted a corrective maintenance for torn out spare parts.

#### National industries company

05/2022 - 08/2022

Maintenance Engineer

- Collaborated with an electrical maintenance team to ensure the proper functioning of motors and machinery.
- Conducted regular inspections to verify the correct operation of control systems (Classic control, PLC).
- Operated and repaired power generators of capacities ranging from 100 MVA to 50 MVA in both full load and average load conditions.

#### Sudan Electric Transmission Company (SETCO)

11/2019 - 02/2020

Junior Electrical Engineer

-Develop and implement preventive maintenance programs forelectrical equipment in the conversion power station.

-Conductroutine inspections to identify potential equipment failures andimplement timely repairs or replacements.

-Analyze equipment performance data and propose improvementsto enhance reliability and reduce downtime.

-Collaborate with procurement teams to source spare parts and coordinate equipment maintenance with minimal disruptions.

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## Education

### ***Sudan University of Science and Technology***

Degree: Bachelor of Science (BSc) Electrical Engineering

Relevant Coursework: Power Systems, Electric Substation, Control Systems, Renewable Energy,Power Electronics, Analogue & Digital Electronic

Thesis: Design and Implementation of an Integrated Surveillance System.

2015-2022 —

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## Skills

- Microsoft Office
- Electrical Installation
- CAD Software: AutoCAD (for SLD & Schematic Design)
- Matlab
- C ,C++ Programming languages
- Leadership
- Technical Electrical skills
- Fast learner
- IBM Maximo Software (CMMS)
- Power Substation
- Designing & Understanding SLD & Schematic Electrical Diagram
- VFD Programming (Altivar 61,Altivar 71)
- Using AI tools
- ITW GSE 2400 Power Coil (GPU maintenance)
- CAVOTEC (PCA Maintenance)
- Electrical & Electronic devices maintenance
- Schneider Electric Vijeo Designer
- Technical reporting
- using Testing and Measuring equipments  
Multimeter, Megger, Omicron
- PLC\_Simatic\_ET200SP

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## Language

English (Fluent), Arabic (Native)

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## Courses

1.AutoCAD for beginners: Drafting blueprints and schematics Coursera Project Network

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## Achievements & Awards

-Led a team of 5 technicians, ensuring 100% compliance with HSSE safety standards and completing 500+ preventive maintenance tasks on time.

-Designed a Mobile application for (SOP) to Facilitate implementing the conduct the configuration of IP address for The HMI and Cameras

-Designed and implemented solar energy systems for 10+ residential houses, reducing energy costs by 30% for 10+ residential houses

-Awarded Best Academic Supervisor of the Year for mentoring 10+ students electrical engineering projects.

-Awarded from the university for participating at engineering week held in it .

-Award from (GEDC) for participating at world engineering day held at sudan in 2020 as organizing committee member.

-Awarded from (GEDC) for participating at world engineering day held at sudan in 2021 as seminar committee member.

-Recognized for outstanding contribution as a committee member World Engineering Day 2020, organisations attended by 200+ participants.

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