

# AHMED EZZAT ATTALLA

## Senior Electrical Engineer | PMP® | SCE Consultant Engineer

📍 Madinah, Saudi Arabia | 📞 0563218710 | ✉️ [ahmed.ezzat8292@gmail.com](mailto:ahmed.ezzat8292@gmail.com) | Nationality: Egyptian

---

### PROFESSIONAL SUMMARY

Senior Electrical Engineer with 19+ years of experience in infrastructure, **airport**, and large-scale development projects across KSA and Egypt, with budgets up to **4B SAR**. Specialized in MV, LV, and ELV systems including design, testing, and commissioning. Proven track record in delivering **mega projects**, improving **system reliability**, and ensuring compliance with SEC, SBC, and NFPA standards.

### PROJECT HIGHLIGHTS

- **RUA Al Madinah Infrastructure – 4B SAR**
- **Jizan Airport Project – 3.5B SAR**
- **MISK Schools Project – 1.4B SAR**
- **Rehabilitation of Taxiway in the King Khalid Air Base (AGL)**

### EDUCATION

Bachelor of **Electrical Engineering** - Mansoura University – Egypt (2006)

### CERTIFICATIONS

- **PMP®** – Project Management Institute (PMI)
- Saudi Council of Engineers – **Consultant** Engineer

### TECHNICAL SKILLS

- **Design Tools:** AutoCAD, Revit, Dialux EVO
- **Analysis Tools:** ETAP
- **Project Platforms:** Aconex

### CORE COMPETENCIES

- Electrical Design & Design Review
- Medium & Low Voltage Systems (MV/LV)
- ELV Systems (CCTV, SCADA, BMS, Fire Alarm, PAVA, Access Control)
- Site Inspection & Troubleshooting
- Infrastructure & Airport Systems (AGL)
- Testing & Commissioning
- Project & Construction Management
- Stakeholder & Contractor Coordination
- Risk Management & Value Engineering
- Procurement Management
- Project Handover & Closing
- Energy Management

## **PROFESSIONAL EXPERIENCE**

### Senior Electrical Engineer

#### **CRCC (China Railway Construction Corporation) - RUA Al Madinah Infrastructure Project – Madinah**

2024 – 2026

#### Project Budget (4 Billion SAR)

Mega infrastructure project includes tunnels, bridges, culverts, pump stations, and utilities.

- Managed MV, LV, and ELV systems for large-scale infrastructure including tunnels and utilities.
- Improved network reliability by implementing a redundant fiber backbone design
- Ensured compliance with SEC, Civil Defense, MOI requirements and international standards.
- Coordinated with authorities including Civil Defense and MOI to obtain approvals and ensure regulatory compliance.
- Developed and reviewed SCADA I/O lists for multiple electrical and mechanical systems integration.
- Ensured CCTV systems with advanced analytics (AID) in compliance with MOI requirements.
- Oversaw Access Control systems, including smart infrastructure (electronic manhole covers).
- Reviewed lighting design, lux calculations and Lighting Control systems.
- Revised BOQs, prepared variation orders, and optimized project scope alignment.
- Reviewed technical submittals, RFIs, and vendor proposals in compliance with project specifications.
- Performed coordination across MEP disciplines and ensured clash-free design.
- Managed construction execution, ensuring alignment with schedule, cost, and quality targets.

### Senior Electrical Engineer

#### **V3 Middle East Engineering Consultants - MISK Schools Project – Riyadh**

2023 – 2024

#### Project Budget (1.4 Billion SAR)

- Reviewed and approved shop drawings, material submittals, and method statements.
- Reviewed electrical discrimination studies and panel coordination (LVP, MCC, SMDB, DBs).
- Conducted site inspections to ensure quality control and progress tracking, issuing NCRs and SORs when required.
- Led testing & commissioning for BMS systems and ensured the integration with several systems.
- Conducted Cause & Effect Matrix testing in coordination with Civil Defense consultants.
- Reviewed as-built drawings, O&M manuals, and closeout documentation.
- Supported client (Misk Foundation) during Defects Liability Period (DLP).
- Managed workflow using Aconex platform.
- Oversaw installation, testing, and commissioning for Electrical and ELV systems.
- Conducted site evaluations and technical troubleshooting to resolve construction issues.
- Provided technical guidance and mentorship to junior engineers and teams.

## Senior Electrical Engineer

### **Safari Group - New King Abdullah Airport Project – Jizan**

2021 – 2023

#### Project Budget (3.5 Billion SAR)

- Managed electrical, ELV, and airport special systems for major airport facilities (PTB, RTB, ATC).
- Managed Buildings and infrastructure scope including power networks, ELV systems, and AGL (Airfield Ground Lighting).
- Conducted Factory Acceptance Tests (FAT) for electrical equipment prior to delivery.
- Supervised site activities and resolved construction challenges to maintain project progress.
- Led coordination with stakeholders through weekly technical and progress meetings.
- Prepared quantity take-offs and invoice submissions.

## Electrical Manager

### **Strong Spread Contracting - Rehabilitation of Taxiway in the King Khalid Air Base - Khamis Mushait**

2019 – 2021

- Planned and executed the upgrade of airfield taxiway infrastructure, including lighting systems.
- Managed installation of AGL systems (centerline lights, CCRs, cabling, deep bases).
- Oversaw pavement rehabilitation, grading, and drainage improvements.
- Ensured minimal disruption to airside operations during construction.
- Managed procurement and logistics, including international material delivery and customs coordination.
- Conducted testing, commissioning, and system handover to facility management.

## Senior Electrical Engineer

### **MASCO GROUP – Raidah Housing Complex Infrastructure Project – Jeddah**

2018 – 2019

- Delivered MV network, street lighting, and telecom infrastructure
- Managed implementation of MV network including transformers, RMUs, and cabling.
- Delivered street lighting systems include shop drawings, installation, and lux compliance.
- Executed telecommunication infrastructure (fiber optics, ducts, FDTs, manholes).
- Coordinated fiber optic testing with third-party consultants.

## Senior Electrical Engineer / Project Manager

### **MASCO GROUP – Mayadeen Al-Kharj Projects - Al Kharj**

2014 – 2018

- Managed multiple infrastructure and building projects including MV, LV, and ELV systems.
- Conducted required inspections, MIR, WIR.
- Supervised testing & commissioning activities for all electrical systems.
- Coordinated with clients, consultants, and contractors to ensure smooth project delivery.
- Managed procurement, conducted FAT, and ensured proper material handling.
- Prepared monthly invoices and final handover documentation.
- Prepared final invoice with a 25% increase over expected target, enhancing profitability.

## Protection & Control Engineer

### **North Delta Electricity Company - Ministry of Electricity & Energy – Egypt**

2009 – 2014

- Supervised MV network installations including substations, switchgear and RMUs.
- Led Auto Recloser installations across OHL, improving system reliability and reducing faults.
- Integrated electrical systems with SCADA platforms.
- Performed load flow analysis, relay coordination, and protection studies.
- Conducted testing & commissioning for MV systems (11kV).

## Electrical Engineer

### **Alexmar Company - Operation and Maintenance of Mobily's telecommunications sites - Dammam**

2008 – 2009

- Managed maintenance of Shelters & Generators across +90 sites, ensuring operational reliability.
- Prepared and verified signal connections from equipment for seamless SCADA integration.
- Maintained inventory of spare parts for both corrective and preventive maintenance activities.
- Coordinated with stakeholders during emergency network shutdowns to minimize downtime.
- Served as primary coordinator with Mobily in the Eastern Region ensuring smooth operations.

---

## **KEY ACHIEVEMENTS**

- Delivered infrastructure and building projects exceeding 4 Billion SAR
- Improved system reliability by implementing SCADA-integrated monitoring solutions
- Led multidisciplinary engineering teams across mega-scale projects.
- Optimized project costs and achieved up to 25% increase in profitability

---

## **Languages**

- **Arabic:** Native proficiency

- **English:** Full professional proficiency