



MOHAMED FOUAD FEKRY, PMP®

Electrical Engineer

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Summary

Dynamic Senior Electrical Engineer with over 15 years of experience in infrastructure & construction projects. Expertise in managing high-stakes engineering tasks and achieving project milestones for mega projects. Successfully designed and implemented solutions for facilities such as the Abu Oweikal water treatment plant. Proven ability to mentor teams while ensuring compliance with quality and safety standards. Eager to leverage skills in electrical design and project management to drive transformative outcomes at company.

Work Experience

Consultant Electrical Engineer, Faculty of Engineering, Cairo University, Cairo, Egypt

01/2021 – Present

- Oversaw the implementation of a water treatment facility in Abu Oweikal, designed to handle a capacity of 10,000 m³ per day.
- Performed thorough design reviews of technical drawings, specifications, and quantity bills.
- Reviewed and authorized operational plans, ensuring adherence to project specifications.
- Executed testing and commissioning protocols for cables, RMUs, and MVSG.

Lead Electrical Design Engineer, Arab Contractors company "Osman Ahmed Osman & co", Cairo, Egypt

01/2023 – Present

- Successfully achieved all scheduled milestones for the comprehensive design of over 30 significant projects, primarily focused on water, wastewater treatment, and seawater desalination plants.
- Conducted thorough design calculations for circuit breaker sizing, grounding systems, cable sizing, bus-ducts, transformers, and generators.
- Led complex engineering initiatives, ensuring their successful completion.
- Collaborated with the tender department as needed throughout the project bidding processes.

Senior Electrical Design Engineer, Arab Contractors company "Osman Ahmed Osman & co", Cairo, Egypt

06/2015 – 11/2023

- Designed innovative solutions for the New Mania wastewater treatment facility, accommodating a daily capacity of 40,000 m³.
- Actively engaged in both the mechanical and electrical design components of wastewater treatment systems.

Proposal Engineer, Arab Contractors company "Osman Ahmed Osman& co", Cairo, Egypt

12/2012 – 05/2015

- Performed thorough make-or-buy assessments to identify the most effective strategies for project execution.
- Developed detailed bid documentation and organized bidder conferences to ensure effective communication.

Electrical Site Engineer, Arab Contractors company "Osman Ahmed Osman& co", Cairo, Egypt

02/2010 – 11/2012

- Successfully implemented the Sidi Barany seawater desalination plant, achieving a capacity of 2,000 m³/day.
- Played a key role in the installation of essential components such as seawater wells, cartridge filters, high-pressure pumps, and dosing pumps.

Key Projects

- ✓ Bahr al-Baqar waste water treatment plant, 5.6 million
- ✓ AL-DIWANIYA 400 kV GIS Substation in Iraq
- ✓ El Basra Sea water desalination in Iraq
- ✓ Sidi Barany Sea water desalination 2000 m³/day.
- ✓ Julius Nyerere Hydropower project in Tanzania
- ✓ Cairo Plaza towers
- ✓ Kampala Lake Victoria protection Uganda
- ✓ Hyde park compound

Education

Bachelor of Engineering (B.Eng.), Electrical Power & Machine, Cairo University, Egypt, Cairo, Egypt

01/2004 – 01/2009

Skills

ETAP

Revit MEP

AutoCAD 2D

Dialux

PLC programming software

Microsoft office applications

Project Management PMP Certified

Strong verbal and written communication skills

Structural thinking and analytical analysis

Problem/conflict resolution skills

Risk Identification and Mitigation

Electrical Design

Document Review

Technical Reporting

Safety Standards

Stakeholder Communication

Innovative Thinking

Adaptability

Electrical Software Knowledge

Languages

English

Fluent

Arabic

Native