

Mahdi Almakayil

Dammam, Saudi Arabia

0533639987

Mahdi-012@Hotmail.com

PROFESSIONAL SUMMARY

Electrical Engineer with 6+ years' experience in project coordination, procurement, and maintenance across renewable energy, oil & gas, and data center sectors. Skilled in managing complex projects, supplier negotiations, and driving cost efficiencies. Committed to supporting Saudi Arabia's Vision 2030 through sustainable energy and infrastructure development. Saudi citizen open to Saudi-based opportunities

EDUCATION

North Carolina State University – Raleigh, USA

Master of Science in Electrical Engineering

Honors: Summa Cum Laude

Graduated: Dec 2023

GPA: 3.905/4.00

University of Missouri-Kansas City, US

Master of Science in Electrical Engineering

Honors: Summa Cum Laude

Attended: Jan 2022 – May 2022

GPA 4.00/4.00 (one semester)

Wright State University – Dayton, USA

Bachelor of Science in Bioengineering and Biomedical Engineering

Graduated: May 2021

Work Experience

Siemens Company

Project Procurement Electrical Engineer

Wendell - North Carolina, USA

Dec 2023 – Present

- Work with the Electrification and Automation department to develop sourcing strategies and ensure supplier quality and delivery performance.
- Apply electrical engineering principles to procurement and supplier management in the electrical distribution industry.
- Collaborate closely with cross-functional teams, including procurement, operations, engineering, and finance.
- Manage and oversee projects in data centers, renewable energy, oil & gas, and semiconductors.
- Procure transformers of all types and other essential components for various projects.
- Accomplished procurement professional in bid solicitation, cost reduction, and sourcing strategy development, with a focus on projects engineering.
- Skilled in supplier management, driving performance, and e-RFQ optimizing purchasing processes using e-auction and e-RFQ platforms.
- Expertise includes PO approval, supply contract management, and consistently meeting cost reduction targets.

Saudi Aramco Company

Field Metals Maintenance Technician and Projects Coordinator

Dammam, Saudi Arabia

Nov 2008 – April 2015

- Coordinated technical and maintenance activities across various projects, ensuring timely completion and adherence to safety standards.
- Collaborated closely with on-site maintenance teams and management to align priorities and address operational challenges.
- Oversaw installation, repair, and testing of electrical systems to meet technical specifications and company standards.
- Prepared detailed reports and visual dashboards to communicate project progress and highlight potential issues to stakeholders.
- Enforced strict safety procedures to ensure compliance with Aramco's safety guidelines and protect field personnel.
- Gained strong experience in technical execution, team coordination, and process management within a fast-paced environment.
- .

SKILLS

- Time Management | MEP | Teamwork | Communication | AutoCAD | Microsoft Office | MATLAB | SOLIDWORKS | PLECS | Aspen | Project Management | Process Improvement | SAP | Python
- Languages (Arabic (Native) and English (Fluent))

PROJECTS

Optimal Control System

- Designed and optimized a complex control system for an inverted pendulum on a cart, including feedback control, and utilized simulations for real-world applications.

Renewable Energy

- Designed a utility-scale PV farm with a capacity of 100 MW. Additionally, utilized the PVSYST software to simulate and analyze the project.

Power Electronics

- Researched, designed, and simulated a converter using PLECS.

Power System Operation and Control

- Conducted a contingency analysis using power flow (PF).
- Developed a contingency screening program for system operators.

Senior Design I & II

- Integrated FNIRS and EEG Probe for Traumatic Brain Injury Monitoring
- Created and analyzed Arduino codes for FNIRS data processing.
- Designed and built a circuit connected to Arduino.