

Ahmed Ali Alanazi

Leading Specialist Electrical Engineer & Data Analyst
Renewable Energy & EV Technologies Leader



CONTACT

Hafr Al-Batin, Saudi Arabia
+966 546459995
ahmad88aga@gmail.com
linkedin.com/in/ahmad88aga

EDUCATION

2024
MSc, Renewable Energy Engineering
Majmaah University. Thesis: Estimating EV loads in car-rental areas in Saudi Arabia.

2017
BSc, Electrical Power Engineering
Buraydah Colleges, Qassim. Associate Engineer, Saudi Council of Engineers.

2011
Associate Degree, Electronics & Electrical Eng. Technology
KFUPM – Hafr Al-Batin Community College.

39 postgraduate credit hours in Renewable Energy – Qassim University.

SKILLS

- Electrical Systems & Renewable Energy
- Data Analysis & Insights (Power BI, Excel)
- Data Management & Governance
- Digital Transformation
- Team Leadership & Technical Supervision
- Crisis Management & Decision Making
- Project & Risk Management
- Technical Risk Assessment
- Technical Reporting
- OSHA / NFPA 70E

LANGUAGES

- Arabic — Native
- English — Fluent

SUMMARY

Senior Electrical Engineer and Data Analyst with 9+ years of experience across power systems, renewable energy, and healthcare data management. Holds a Master's in Renewable Energy Engineering and is a published researcher in international peer-reviewed journals (Wiley and MDPI) on electric vehicle charging infrastructure. Founding Member and Vice Chairman of the Board of the Saudi Association for Electric Vehicle Technologies (AEVTSA), supervised by the Ministry of Energy. Leads data management and digital transformation projects in the healthcare sector under the Health Holding Company. COO at SIMOPS and Advisory Board Member at Majmaah University. Strong in data-driven decision-making, energy efficiency, and cross-sector collaboration aligned with Vision 2030.

PROFESSIONAL EXPERIENCE

Leading Specialist Electrical Engineer & Data Analyst

Hafr Al-Batin Health Cluster — Hafr Al-Batin, KSA | Feb 2024 – Present

- Lead data management and digital transformation initiatives across the health cluster, aligned with the Health Holding Company strategy.
- Design and maintain HR analytics dashboards, KPIs, and Human Capital Indicators reports (headcount, Saudization, turnover, stability) using Power BI and Excel.
- Perform performance analysis and system adjustments using specialized software.
- Ensure adherence to safety protocols and train junior staff to enhance team performance.

Electrical Engineer — Support & Maintenance Services

Hafr Al-Batin Central Hospital — Hafr Al-Batin, KSA | Jun 2017 – Feb 2024

- Maintained and optimized hospital electrical systems; led installations and upgrades.
- Conducted audits and resolved system issues.

Electrical Maintenance Technician

Hafr Al-Batin Central Hospital — Hafr Al-Batin, KSA | Dec 2012 – Jun 2017

- Handled daily electrical requests, routine inspections, and issue resolution.

Field Operator III — Artificial Lift Systems

Baker Hughes Co. — Dammam, KSA | Mar 2012 – Nov 2012

- Installed and maintained ALS systems; performed software-based performance analysis; trained new technicians.

PROFESSIONAL MEMBERSHIPS

Founding Member & Vice Chairman of the Board

Saudi Association for Electric Vehicle Technologies (AEVTSA) — supervised by the Ministry of Energy

- Co-founded and established the Kingdom's first non-profit association for EV technologies; lead governance, strategic planning, and national capacity-building programs.

Chief Operating Officer (COO)

SIMOPS Training and Consultancy | Since Jan 2025

- Leading operational strategy and execution in simultaneous operations (SIMOPS) training and consultancy.

Advisory Board Member — Dept. of Electrical Engineering

Majmaah University | Since Nov 2024

- Advising on curriculum development, emerging technologies, and engineering education quality.

Associate Engineer

Saudi Council of Engineers (SCE) | Since Jul 2017

PUBLISHED RESEARCH

- Alanazi, A., & Almutairi, A. (2026). Assessing EV Load Uncertainty in Rental Car Fleets: Statistical Insights for Effective Charging Infrastructure. *International Transactions on Electrical Energy Systems* (Wiley), 2026:4350284.
- Alanazi, A., & Almutairi, A. (2026). A Probabilistic Framework for Modeling Electric Vehicle Charging Loads in Rental Car Fleets. *Processes* (MDPI), 14(7), 1158.

CERTIFICATIONS & TRAINING

- Data Classification Training Program – Saudi Data & AI Authority (SDAIA). (21/01/2026)
- Healthcare Data Analysis Program – Power BI (30 hrs) – Benaa Academy for Health Training, in collaboration with the Saudi Society for Health Administration (SSHA). (10/08/2025)
- Data Analysis (20 hrs) – Hafr Al-Batin Health Cluster. (2024)
- Cooperative Trainer – Technical College, Al-Artawiyah (Electrical Technology), 24 hrs/week. (2023–2024)
- Solar Energy Laboratory Workshop & Practical Training – Majmaah University. (2023)
- Root Cause Analysis using SMap (3 hrs) – Saudi Council of Engineers. (2022)
- Lightning Protection & Earthing Systems (2 hrs) – Saudi Council of Engineers. (2022)
- Professional Project Management (PMP) (35 hrs) – Riyadh Chamber. (2020)
- Managing Project Risks (2 hrs) – Dorroob. (2019)
- Risk Management Program (20 hrs) – Riyadh Chamber. (2019)
- Master Microsoft Office (50 hrs) – Dorroob. (2019)
- Stress Management in the Workplace (4 hrs) – Dorroob. (2019)
- Leadership Essentials (3 hrs) – Dorroob. (2019)
- Project Management: Introduction (5 hrs) – Dorroob. (2019)
- Work Safely – SAFETY (8 hrs) – Alfanar Training Institute, Riyadh. (2019)
- Occupational Safety & Health – American OSHA (30 hrs) – Experts Excellence Training Center. (2018)