



PERSONAL INFORMATION

Email: engr.asadsaeed886@gmail.com | **Phone:** +966-554027240 / +923418032655
Location: Riyadh, Saudi Arabia | **Iqama:** Transferable | **Saudi Driving License:** Available
LinkedIn: [linkedin.com/in/engr-asad-saeed886](https://www.linkedin.com/in/engr-asad-saeed886) | **Languages:** English, Urdu, Arabic (Basic), Pashto

CAREER OBJECTIVE

Dedicated and results-driven Electrical Engineer with over **4 years** of diversified experience in the **operation and maintenance** of power equipment, including diesel generators, transformers, fire alarm systems, data centers, and HVAC systems. Skilled in electrical QA/QC, solar energy systems, and overseeing power infrastructure projects across Pakistan and Saudi Arabia. Currently serving on a **Public Investment Fund (PIF) project** in Riyadh with FMTech, aiming to contribute technical expertise and compliance with Saudi standards in a progressive engineering environment.

PROFESSIONAL EXPERIENCE

- Quality Assurance Electrical Inspector** Date/Period | **Dec 2024 - Present**
Saudi Facility Management (FMTech) & Diriyah Company, Riyadh, KSA - **(A PIF Project)**
Key Responsibilities:
 - ✓ Conduct routine inspections and quality checks of electrical installations, including power systems, HVAC, and fire alarm infrastructure.
 - ✓ Implement QA/QC procedures to ensure high reliability, safety, and alignment with project specifications.
 - ✓ Identify non-conformities, issue reports, and monitor the implementation of corrective actions to ensure compliance.
 - ✓ Coordinate with consultants, contractors, and internal teams to address quality concerns and resolve site-related challenges.
 - ✓ Maintain accurate, traceable documentation of inspections, test results, and quality reports to support audits and project handover.
 - ✓ Coordinated with clients and internal teams to resolve quality issues, discrepancies, and site challenges.
 - ✓ Support other teams in managing quality assurance activities across electrical, MEP, civil, and safety scopes.
- Operations and Maintenance Engineer** Date/Period | **Feb 2023 – Dec 2024**
HQ Frontier Works Organization - One Network Pvt. Ltd, Rawalpindi
Oversaw & ensured the smooth installation & O&M of electrical equipment & systems across all motorways (MWs) in Pakistan, covering 110+ cities. Managed a team of 600+ power & IT technicians, along with 30+ DMs, AMs, JMs, & supervisors, at work to troubleshoot any & all technical faults & maintain the smooth functioning of all the equipment in the field without any downtime.
 - Performed maintenance & troubleshooting on UPS, generators, switchgear, solar systems, & transformers
 - Conducted weekly generator tests to maintain readiness & reliability.
 - Diagnosed faults & led system upgrades in coordination with vendors & service teams.
 - Oversaw & managed the data center's O&M, ensuring all systems ran efficiently.
 - Supervised O&M of electrical systems, HVAC, fire protection, & backup power systems, ensuring concurrent maintainability.
 - Handled equipment procurement, vendor coordination, & ensured QA/QC compliance.
 - Assisted the HR & recruitment teams in hiring technical resources for field operations.
 - Maintained records of inspections, repairs & maintenance, checklists, cost & feasibility analysis, procured items, zone's petty cash, and salary records.**Key Achievements:**
 - ✓ 6MW solar system (3MW hybrid + 3MW on-grid) across Pakistan's MWs.
 - ✓ Upgraded power infrastructure at **18+ server sites** to support load balancing and expansion.
 - ✓ Executed Safe Cities power works in **Rawalpindi, Faisalabad, and Gujranwala**.
 - ✓ Maintained **24/7 operational continuity at 250+ plazas** through customized backup solutions.
 - ✓ Installed **ATS and auto phase selectors at 250+ sites** for seamless power transfer.
 - ✓ Conducted O&M and PM of **600+ diesel generators** across the national motorway network.
 - ✓ Implemented proper **earthing systems at 250+ sites** for both IT and non-IT load protection.
 - ✓ Managed operations of 2400+ km of road 24/7, with a 50% reduction in fuel consumption for ETC operations.
 - ✓ Made operational the Intelligent Transportation System on the roads, ensuring the highest levels of safety.

• Technical Engineer Commercial Solar Projects

Date/Period | Oct 2021 – Feb 2023

Pantera Energy Pvt Ltd, Islamabad

Key Responsibilities:

Played a pivotal role in executing commercial solar projects ranging from 50 kW to 6 MW across Pakistan

- **Project Execution:** Led all aspects of project implementation, ensuring the timely and effective deployment of solar energy systems.
- **Tender Documentation:** Developed and managed comprehensive tender documentation to support successful project bids.
- **Site Design and Layout:** Created detailed site design layouts aimed at optimizing system performance following client requirements.
- **Site Surveys:** Conducted extensive site surveys to evaluate conditions and requirements, facilitating precise project planning and execution.
- **Technical Supervision:** Provided technical supervision during installation, ensuring adherence to industry standards and best practices.

Key Achievements:

- ✓ Designed and executed:

🔌 **700kW On-Grid** – Al-Shifa Trust Eye Hospital, Rawalpindi

🔌 **500kW On-Grid** – Lahore Fashion

🔌 **500kW On-Grid** – NESCOM, Islamabad

🔌 **350kW On-Grid** – New Punjab Flour Mill, Attock

🔌 **260kW On-Grid** – UNHCR, Peshawar

🔌 **160kW On-Grid** – School of Armour, Nowshera

🔌 **50kW On-Grid** – Al-Shifa Trust Eye Hospital, Kohat

🔌 **50kW On-Grid** – NLC Peshawar (etc.)

• Management Trainee Engineer

| Jul 2021 – Sep 2021

Cosmos Science Corporation, Lahore

- Participated in a structured training program to build expertise in electrical engineering concepts and industry standards.
- Worked closely with experienced engineers and managers to gain hands-on experience in electrical projects.
- Maintained accurate records and documentation related to electrical project tasks.

• Internee Engineer (Internship)

| Jul 2019 – Sep 2019

Wah Engineering College, Wah Cantt, Taxila

I provided exposure to the administrative functions of the admission cell while assisting with various tasks related to admissions and student records.

- Supported **application processing**, ensuring accurate and complete documentation.
- Organized and maintained student **application records and transcripts**.
- Accurately **entered data** into the college database and generated admission reports.
- Addressed **inquiries** from prospective students about admission requirements and procedures.
- Assisted in **organizing admission events**, including open houses and orientations.

- ✓ **Solar Consultant** – Audit & Inspection of **80kW hybrid** solar energy system at the **School of Artillery**, Nowshera Cantt | 27th August 2022 to 3rd Feb 2023.

- ✓ **Site Engineer** - Supply, Installation and Commissioning of a 260kW Solar On-Grid System at **United Nations High Commissioner for Refugees**, Peshawar | 5th April 2022 to 10th September 2022.

PROFESSIONAL SKILLS

🔧 Electrical Engineering & QA/QC:

- Electrical System Design, LV Panel Design, Power Distribution, Wiring & Cable Routing
- Electrical Safety Protocols, Testing & Measurement, Compliance with NEC/SEC standards
- Quality Assurance, Genset-Solar Integration, Calibration & Test Equipment Handling

⚙️ Operations & Maintenance (O&M):

- Preventive & Corrective Maintenance, Equipment Inspection, Troubleshooting, Maintenance Scheduling
- Site Supervision, Load Management, and Downtime Reduction Strategies

⚙️ Equipment Proficiency:

- Transformers, Generators, ATS, AVR, SPD, Solar Inverters & Panels, UPS, Fire Alarm System, HVAC, Circuit Breakers, Protection Relays.

🌞 Solar Energy Systems:

- PV System Design, Installation & Commissioning

- Solar Inverter Configuration, System Troubleshooting, and Net Metering Documentation

■ Software & Technical Tools:

- CAFM, MS Office, PVSyst, Helioscope, MATLAB, Arduino, SketchUp, Proteus, AutoCAD, SAP, PowerWorld Simulator, RETScreen, & Altium PCB Designer
- CRM Tools: Salesforce, Bitrix | Tracking: Trace 9, Vehicle Tracker, and Fleet Management System

EDUCATION

Year	Qualification	Institution	Result
2017-2021	BSc/BE Electrical Engineering (Outcome-Based Education Level-II Washington Accord)	Wah Engineering College, University of Wah, Wah Cantt	CGPA: 3.44 / 4.00 Grade: A+ (Excellent) Percentage: 85.14%

KEY PROJECT DESIGN & DOCUMENTATION AT PANTERA ENERGY

Conducted extensive site surveys and prepared Tender documentation, including designs and feasibility reports, for various solar energy projects, such as:

- **6 MWp Grid-Tied Solar PV Project** at SITECH Enterprises
- **5 MW On-Grid Solar Power Plant** at Chashma Power Plant
- **2.4 MW On-Grid Solar Power Plant** at FWO Cu Mining Facility
- **1 MW Net Metering Solar PV System** at the Prime Minister's House and Secretariat
- **1 MW Grid-Tied System** at Pakistan Navy Headquarters, Islamabad
- For **PAF Bases** & various projects under **CDA**, sites like the **Foreign Office** and **Faisal Mosque**.

PROFESSIONAL TRAINING PROGRAM / COURSES

Course Name	Institution / Organization	Year
Safety for Rooftop Solar Projects	Udemy	2019
Installation & Maintenance of Solar PV System		
Electrical Transformer and Guide to Transformer Maintenance	Alison Online Education	2021
Introduction to Basic Electrical Drawings & Test Equipment		2022
Cal/Osha Fundamentals of Health & Safety Program		2024
Health & Safety – Electrical Safety in the Workplace		
Facility Management – Maintenance & Repair		2025
Occupational Safety & Health Administration (OSHA)		
HVAC Professional		
ISO 9001:2015 – Quality Management System (QMS)		

HONOR AND AWARDS

- **Certificate** for Acknowledging **Significant Contribution** for showing **Excellence in Upgradation of Power Operations** across all Motorways in Pakistan.
- **Certificate** for participating in Energy Audit & IoT-Based Monitoring by the Association of Energy Engineers, NUST Islamabad.
- Secured scholarship/funding for Final Year Design Project entitled “**Design & Development of the system for the Estimation of state of charge (SOC) of Lithium-ion Battery for Electric Loads**” in 2021 from National Grassroots ICT Research Initiative 2020-21 (Ref No: NGIRI-2021-7423), **IGNITE-National Technology Fund**.
- **Participation Certificate** for participating in the **International Astronomy & Astrophysics Certificate 2021**.
- **Certificate** for participating in the Talent Award **Rise and Expo 2019** Rawalpindi.
- **Certificates** for participating in different Events, Competitions, Webinars, Seminars, CPDs, & Online Short Courses.
- **Certificates of Appreciation** for participating as a Volunteer, Organizer, and Head of Department at different Social Media organizations