**ASAD SAEED (PEC ID: ELECT/93198)**

**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](file:///D%3A%5CAsad%20Saeed%5Clinkedin.com%5Cin%5Cengr-asad-saeed886) | **Languages:** English, Urdu, Arabic (Basic), Pashto

**CAREER OBJECTIVE**

Electrical Engineer with 4+ years of experience in Power Equipment operations and maintenance, electrical QA/QC, Solar energy systems, fire alarm system O&M, Data Centers O&M, HVAC Systems, and 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 - (PIF Project, Ad Diriyah)**

Saudi Facility Management (FMTech) at Ad Diriyah Company,Riyadh, KSA | **December 2024 - Present**

**Key Responsibilities:**

* Conducted inspections of electrical systems, including HVAC, fire alarms, and power infrastructure, to ensure compliance with project specs, safety standards, and regulations.
* Implemented QA/QC procedures to maintain high performance and reliability in electrical activities.
* Supervised electrical testing procedures, including continuity, insulation resistance, and functional assessments, to validate overall system performance
* Identified non-conformities and ensured prompt corrective actions to meet safety and quality standards.
* Maintained detailed records of inspections, testing, and corrective measures for traceability and compliance.
* Coordinated with clients and internal teams to resolve quality issues, discrepancies, and site challenges.
* Verified compliance of electrical systems with applicable codes, specifications, and safety regulations.
* Stayed current with national standards, best practices, and new technologies to improve project quality.

* **Operations and Maintenance Engineer at HQ Frontier Works Organization**

One Network Pvt. Ltd, Rawalpindi | **February 2023 – December 2024**

**Key Responsibilities:**

* + **Electrical Systems Oversight**: Managed the installation, operation, and maintenance of electrical systems and projects across all Motorways (MWs) in Pakistan 24/7.
	+ **Solar System Management**: Overseeing operations, maintenance, cleaning, and production analysis to ensure optimal performance.
	+ **Transformer Maintenance**: Conducted maintenance and installation of transformer systems, implementing protective measures against damage and bird strikes across all MWs in Pakistan.
	+ **Generator Operations**: Performed maintenance and operational management of generators (DGs) according to requirements across all MWs in Pakistan.
	+ **Data Centre Infrastructure Supervision**: Assisted in project execution, supervising data center infrastructure to ensure reliable power supply, fire alarm systems, and cooling mechanisms. Executed power upgrade initiatives at server sites to enhance operational efficiency and ensure smooth performance.
	+ **Safe Cities Project Leadership**: Led Safe Cities projects in Punjab by conducting comprehensive site surveys and managing survey teams across 21 cities.
	+ **Preventive Maintenance Coordination**: Coordinated preventive maintenance activities to optimize system performance and minimize downtime.

**Key Achievements:**

* Successfully led design, supply, installation, commissioning, and O&M of a **5.8MW solar system (3MW hybrid + 2MW on-grid)** across Pakistan’s Motorways (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.
* Conducted O&M and PM of Server Sites across Pakistan’s MW’s
* **Technical Engineer Commercial Solar Projects**

Pantera Energy Pvt Ltd, Islamabad | **October 2021 – February 2023**

**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**

Cosmos Science Corporation, Lahore | **July 2021 – September 2021**

* + Participated in a structured **training program** designed to enhance knowledge in electrical engineering concepts, company operations, and industry standards.
	+ Ensured all work adhered to strict **safety protocols, quality standards, and industry regulations**
* **Internee Engineer (Internship)**

Wah Engineering College, Wah Cantt, Taxila | **July 2019 – September 2019**

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** **­­­-** Supply, Installation & Commissioning of **80kW Hybrid Solar 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-IIWashington 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 TalentAward **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