



# Ahmed Sohail

## Energy Systems Engineer

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📞 050 141 7152

🚗 Dubai Driving License

Certified Associate in Project Management (CAPM) with over 6 months of experience in solar sales and freelancing solar design projects. Creator of the "Solar4U" YouTube channel, with 1,000+ subscribers, focused on solar education and engagement. Currently integrating AI into solar energy projects to drive innovation in the renewable energy sector.

### CAREER SUMMARY

#### Naffco | Dubai, U.A.E

Junior Optimization Engineer From April 2024 to November 2024

- Understood the foundation of Fire Alarm, Fire Fighting systems, components and working functions.
- Coordinating with relevant site engineers in Fire Alarm, Fire Fighting systems and carrying out various studies such as cable pulling, pvc conduit, HDPE joint welding.
- Gathering data quantities of the systems installed and analyzing the performance efficiency.
- Reviewing the BOQs of the systems installed and the budget set out for the overall work to be completed with the designated project value and cost breakdown for supply and installation.
- Utilizing CADMATE tool to review drawings of FA and FF systems understanding the wiring schematics calculating the appropriate pipe lengths, fittings, and size in various residential and commercial projects.

#### Agha Khan University Hospital | Karachi, Pakistan

Energy Systems Volunteer From September 2023 to March 2024

- Supervised cleaning inspection of a 550kW Solar PV System using Huawei Fusion monitoring system to ensure optimal solar PV generation.
- Analyzed electric, gas, and water bills to extract key figures, parameters, and trends for energy consumption data analysis.
- Conducted site visits to control rooms and plant facilities, reviewing operation of 1.8 MW diesel generators, 3 fire-tube boilers, and 5 cooling towers.
- Reviewed electric distribution from grid to HT/LT rooms via transformers, switchgear, and circuit breaker panels.
- Monitored mechanical systems (AHUs, water/air ducts) using BMS software in mechanical rooms.
- Evaluated a self-generation power plant with diesel and gas generators powering laboratories, offices, and clinical facilities.

### TECHNICAL SKILLS

#### Solar Designing and Electrical Circuit Tools

- PVsyst
- Helioscope
- Open Solar
- AutoCad
- MATLAB SIMULINK

### LANGUAGES

English

Urdu

Arabic

French

### INTERESTS

Sports, Learning, Gaming, TV Shows

## CAREER SUMMARY

### Fiverr | Karachi, Pakistan

#### Solar Design Engineer From November 2021 to October 2022

Freelancing platform for offering services at various price packages.

- Design solar pv rooftops and quotations based on client requirements and needs.
- Successfully completed 15+ project with international clients from U.S.A, U.K, Australia, and U.A.E.
- Maintained 5-star client reviews for project quality and satisfaction.

### Titan Solar | Arizona, U.S.A

#### Solar Sales Representative From June 2021 to August 2021

Solar start-up company offering solar energy quotations and setting up client appointments.

- Attended daily meetings and client interaction for company services and consultations.
- Exceeded 5+ qualified leads per week.
- Generated 60+ dialer work hours during work period.

### Aloniu | Arizona, U.S.A

#### Solar Sales Representative From February 2021 to May 2021

Collaborated with team managers and engineers to achieve successful qualified clients.

- Acquiring target leads weekly
- Attended team meetings and trainings
- Exceeded 5 or more clients in a single week.
- Overworked 60+ Dialer hours during work period.

## EDUCATION

### Heriot Watt University | Dubai, DU, United Arab Emirates

#### Bachelor of Engineering in Electrical and Electronic Engineering with Honours of the First Class

From September 2017 to March 2020

Heriot Watt University - Bachelor's degree G.P.A 3.7/4.0

Sustainable Energy & Power Systems, Industrial Power Systems, Circuits & Analysis

Student Class Representative

Student Volunteer in Events and Clubs

## COURSES & CERTIFICATIONS

### Certified Associate in Project Management (CAPM) October 2023 PMI U.S.A

A project management certification for associate's level of experience and tests the principles of project fundamentals, predictive plan-based approach, agile approach, and business analysis frameworks for organizations.

### Renewable Energy Specialization September 2022

### Coursera Karachi, SD, Pakistan

### Solar Energy System Design Specialization October 2022

### Coursera Karachi, SD, Pakistan