

Mohamed Bahasan

[Jeddah, Saudi Arabia] | [0567016727] | Bahsan720@gmail.com

Professional Summary

Experienced Low Voltage Electrical Engineer with expertise in solar PV installations, electrical system design, and quality management. Proficient in tools like AutoCAD, PVSyst, and MATLAB, with a proven track record of delivering 1.2 MW cumulative solar installations and enhancing operational efficiency. Key achievements include establishing a single-line diagram tool for Sunrun and contributing to obtaining ISO 13485 certification. Multilingual in English and Arabic, with a commitment to innovative and sustainable engineering solutions

Work Experience

Electrical Engineer

Solcius, Utah

01/2020 – 03/2021

Established a tool for creating single-line diagrams, streamlining the design process and improving project efficiency

Collaborated with design and engineering teams to develop accurate and compliant electrical layouts for residential PV systems

Ensured designs adhered to **NEC standards** and were optimized for installation and operation

Provided technical support and troubleshooting expertise to address challenges during the project lifecycle

Development Engineer

Real Estate Developer, Jeddah, Saudi Arabia

04/2022 - Present

Designed and optimized a warehousing facility to achieve operational excellence and regulatory compliance

Supervised facility commissioning to ensure full adherence to **SFDA (Saudi Food and Drug Authority)** regulations

Played a key role in obtaining **ISO 13485 certification**, demonstrating a commitment to international quality management standards

Developed and validated processes for warehousing operations, ensuring seamless integration with logistics systems

PV Engineer
Solcius, Utah

01/2020 – 03/2021

Designed and implemented electrical layouts for low-voltage PV systems, ensuring compliance with industry standards

Collaborated with the engineering team to deliver 1.2 MW cumulative solar installations

Utilized tools such as **AutoCAD** and **PVSyst** to create accurate project designs and simulate system performance

Conducted quality control checks and provided technical support during installation and troubleshooting phases

Education

Bachelor of Science in Industrial Engineering
Wichita State University, USA, 2019

Technical Skills

Design Tools: AutoCAD, PVSyst, MATLAB

Standards and Compliance: National Electrical Code (NEC), ISO 13485, SFDA Regulations

Engineering Knowledge: Low Voltage Systems, Circuit Analysis, Renewable Energy Systems

Additional Skills: Process Validation, Quality Assurance, Logistics Coordination

Certifications

(ISO 13485 Quality Management Certification *(Participation)*

(NEC Compliance Training *(If applicable)*

Languages

Fluent in English and Arabic

Achievements

.Successfully contributed to the delivery of 1.2 MW cumulative PV installations

.Designed and commissioned a warehousing facility compliant with SFDA standards

.Played a role in obtaining ISO 13485 certification for quality management systems