

Chowdhury Arifur Rah Hoq

Electrical Engineer-Solar | Manager Projects & Sales

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PROFILE

Results-driven Electrical Engineer with 10+ years of experience in designing, implementing and optimizing electrical system within the renewable energy sector. I'm an Electrical Engineer with practical experience in solar project design, and project management for residential, commercial, and industrial rooftop solar systems. Currently contributing to high-impact projects, where I lead cross-functional teams in enhancing the system efficiency and ensuring the compliance with safety standards. Passionate about innovation and sustainability in the energy industry through technical solutions and collaborative teamwork.

PROFESSIONAL EXPERIENCE

Techno Green-Carbon Ltd. (TGCL) | Manager- Projects & Sales (Renewable Energy)

23rd May 2023 – Present (36+ Months)

- Designing optimized solar system for Residential, Commercial and industrial Solar System.
- Providing implementation and commissioning support.
- Conducting site surveys, technical feasibility and project and evaluation of the project.
- Managing the development and implementation of the project.
- Preparing BOQs, solar layouts, SLDs and other required documents.
- Liaison with clients, business development and operations.
- Evaluating changes that substantially impact the scope, budget, or schedule of a project.
- Monitoring and reporting progress and performance according to the project plan.
- Successfully completed **3.2 MW** Rooftop Solar System for Square Textiles PLC, Gazipur.
- Successfully completed **648 KW** Rooftop Solar System for Square Fashions Ltd., Bhaluka, Mymensingh.
- Successfully completed **1.541 MW** Rooftop Solar System for Square Food and Beverages Ltd., Pabna.
- Successfully completed **610 KW** Rooftop Solar System for Square Toiletries Ltd., Rupshi, Naryanganj.
- Ongoing Project: **1.46 MW** Ground Mount and Rooftop Solar System for Square Food and Beverages Ltd., Manikganj.
- Ongoing Project: **1.65 MW** Ground Mount and Rooftop Solar System for Square Food and Beverages Ltd., Pabna.

Alpine Technologies | Project Manager (Solar Department) 1st January 2022– 30th April 2023

| Engineer (Solar Department) 3rd January 2017– 31st December 2019

- Designing and implementation rooftop solar systems for commercial and industrial clients.
- Site surveys, feasibility of solar projects and Project Planning
- Budgeting, making BOQs and coordination activities.
- Technical support and monitoring installed solar system performance.
- Managing stakeholders and vendors.

SFR Associates | Business Development Engineer (Power and Renewable Energy)

January 2016 – December 2016

- Identifying and develop new business opportunities in the solar energy sector, including commercial, industrial, utility-scale, government, and IPP projects.
- Building and maintaining strong relationships with clients, consultants, developers, EPC contractors, investors, and government agencies.
- Preparing technical and commercial proposals, presentations, and business cases.
- Identifying upcoming power and solar projects, tenders, and investment opportunities.

Solar Electro Bangladesh Ltd. (SEBL) | Solar Engineer, 1st January 2015 – 31st December 2015

- Designing and implementation rooftop solar systems for commercial and industrial clients.
- Site surveys, feasibility of solar projects and Project Planning
- Budgeting, making BOQs and coordination activities.
- Technical support and monitoring installed solar system performance.
- Successfully completed **177 KW Solar Mini Grid**, Monpura, Bhola.
- Conducted primary site visit, surveys and project feasibility research for **250 KW Solar Mini Grid**, Shariatpur.

Skills

- Solar PV System Design • Project Management • Business Development • Site Survey & Feasibility Study
- AutoCAD • PVsyst • SketchUp • Microsoft Office • Single Line Diagram (SLD)

Language

- Bangla: Native
- English: Proficient

EDUCATION

University of Dhaka (DU)

MBA. in Tourism and Hotel Management (THM)

Period: 2018 – 2019 | CGPA:3.35 (out of 4.00) – 83.75%

American International University-Bangladesh (AIUB)

B.Sc. in Electrical and Electronic Engineering (EEE)

Period: 2011 – 2014 | CGPA: 3.35 (out of 4.00) – 84%

Saint Joseph Higher Secondary School, Dhaka

Higher Secondary Certificate (HSC)

(Science) Period: 2008 – 2010

GPA: 4.3 (Out of 5.00) – 86%

Faizur Rahman Ideal Institute, Dhaka

Secondary School Certificate (SSC)

(Science) Passing Year: 2008

GPA: 5.00 (Out of 5.00) – 100%

CERTIFICATIONS

- CCNA – American International University-Bangladesh
- Diploma in Solar Energy Engineering (Online) – The National Programme on Technology Enhanced Learning (NPTEL), India.

Other Experience

- Power-plant Visit for new or extension of power-plant at Bahgabari, Shahjadpur and Habiganj, Sylhet under the supervision of Md. Ziaur Rahman, Assistant Chief Engineer, Bangladesh Power Development Board (BPDB).
- Power-plant visit for providing the consultancy support for strengthen of security-surveillance system and reducing the grid dependency by establishing solar system and solar street lights on the premises.
- Numerous Factory Site visit and Survey for Rooftop On-Grid Solar Power Plants in Bangladesh.
- 5th place in Annual Outstanding Project-Thesis competition at AIUB in 2014
- 3 Times Pre-Shipment Inspection of Solar mounting structures and Solar panels at China (for rooftop and ground mounted solar projects).

REFERENCES

MD. Hamidun Nabi Dipu

Director, Techno Green Carbon Ltd.

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Gulshan -1, Dhaka -1212.

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