



# MD SHAMSUL AREFIN

Electrical & Electronic Engineer

## CONTACT

Phone: +358 41 741 4960  
E-Mail: msarefins@gmail.com  
Address: 00420, Helsinki, Finland.

## EDUCATION

**Haaga-Helia University of Applied  
Sciences, Helsinki, Finland**  
BBA in Business IT  
2024 - Present

**United International University,  
Dhaka, Bangladesh**  
BSC (Engineering) in EEE  
2013 - 2020

## SKILLS

- Site surveying
- Energy auditing
- Teamwork
- Customer relations
- Critical Thinking

## LANGUAGE

- English
- Bengali

## ABOUT ME

I am an Electrical and Electronic Engineer primarily focused on solar-powered renewable energy. My current core skills consist of solar project design and installation. I am eager to learn new technologies related to this industry. Currently, I am studying Business Information Technology in Finland.

## EXPERIENCE

### Installation Engineer

Energypac Electronics Ltd., Dhaka, Bangladesh

2022 – 2024

- I have performed site visits for new projects.
- Perform accurate system sizing calculations.
- Create electrical single-line diagrams, panel schedules, or connection diagrams for solar electric systems, using (CAD).
- Run PVWatts reports for system production estimates.
- Build detailed bills of materials (BOM) based on system specifications.
- Executes designs that adhere to grid compliance and permitting requirements.
- Perform online monitoring of the production of solar systems.
- Complete more than 10MWp of grid-tied solar energy systems in Bangladesh.

### Asst. Installation Engineer

Electro Solar Power Ltd., Dhaka, Bangladesh

2020 - 2022

- Coordinate with the design team to get all electrical engineering drawings done.
- Manage and follow up with electrical contractors and technical staff regarding technology selection, system configuration, electrical connection, distribution, and control systems for solar power plants.
- Completed more than 40 sets of 1 cusec solar irrigation projects (LLP-Low lift Pump) for Bangladesh Agriculture Development Corporation.
- Following up procurement, project progress, and invoices.

### Trainee Installation Engineer

Electro Solar Power Ltd., Dhaka, Bangladesh

2019- 2020

- Preparing pre-commissioning checklists.
- Worked as a panel installer.

## REFERENCES

### Riyadh-Bin-Shahid

Energypac Electronics Ltd./Manager

Phone: ++880 1673 000999

Email: riyadh.project@energypacelectronics.com