

FEB 2023



COMPANY PROFILE

LM Tower (2nd Floor), Ka/87,
Joar Shahara Bazar Road Vatara, 1229 Dhaka, Bangladesh
<https://www.solshare.com/>
+88 01708-458764



BACKED BY



PARTNERS & CUSTOMERS



AWARDS





ABOUT

SOLshare is a leading cleantech company located in the heart of Bangladesh. Founded in 2014-2015, we provide cutting-edge technology and services and offer scalable solutions through our globally recognized service platform - the SOLbazaar.

Our globally recognized SOLbazaar has developed into an energy marketplace to fight access deficits to sustainable energy services. Via this platform, we equip vulnerable communities with awesome energy services, creating synergies between energy and transport to provide access to clean affordable energy, micro-mobility services, financially inclusive PAYG technology, and IoT devices, while also providing solar rooftop installations for commercial and industrial (C&I) infrastructures across Bangladesh.

We have built our solutions by closely listening to our potential clientele and understanding their expectations of our product. This has allowed us to bridge the energy gap and offer our services to changing market needs.

SOLshare is propelling the systemic change of how people use and move electrons around the globe in the spirit of the new energy world fueled by the 5 D's: Decarbonization, Decentralization, Democratization, Disruption & Digitization. SOLshare's solutions could potentially change the future face of utilities globally, and leapfrog rural communities today.

5Ds diagram

How It Began

Bangladesh has more than 6 million individual Solar Home Systems (SHS). 6 years ago, these SHS generated an excess of 30% energy which summed up to 600,000kWh of energy being wasted per day. This untapped resource came at a hefty price tag as people suffering under an energy poverty penalty were forced to pay up to 10 USD/ kWh. This led to extreme user behavior from rural villagers who strived to share electricity amongst themselves. And thus, SOLshare was born with our first innovation - the SOLgrid, our award-winning peer-to-peer solar electricity trading platform.



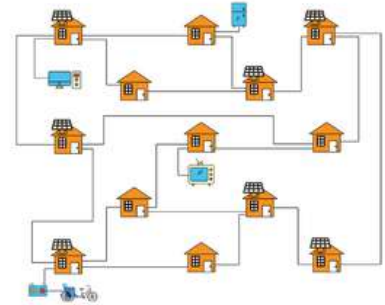
The marketplace for future-proof energy infrastructures.



SOLAR MICROGRIDS

SOLGRIDS - SOLAR P2P MICROGRIDS

- Interconnects households and micro businesses
- Uses SOLbox : point of interconnection within the peer-to-peer network
- Allows users to sell excess electricity and earn income directly from the sun



MICRO-MOBILITY

ELECTRIC 3-WHEELER CHARGING

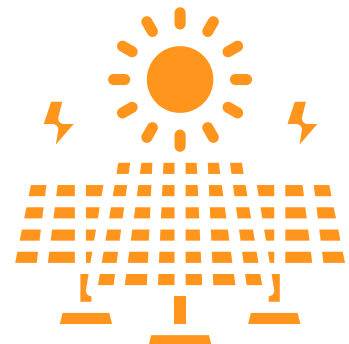
- PAYG lithium-ion battery leasing model
- Smart metered pit-stop charging stations allows rickshaw pullers to fast charge during the day.
- Risk reduction through IoT intelligence on the assets



SOLAR ROOFTOP

SOLAR ROOFTOP INSTALLATION SERVICES

- A photovoltaic system where solar panels are mounted on top of commercial and industrial structures.
- Directly reduces energy costs
- The cost of electricity is lower than utility
- Capacities go up to Megawatt Range



MISSION

Create a network. Share electricity. Brighten the future

VISION

Providing Vulnerable Communities access to awesome energy services.

ENTITIES

BANGLADESH

ME SOLshare Ltd.
LM Tower (2nd Floor), Ka/87,
Joar Shahara Bazar Road Vatara,
Dhaka - 1229, Bangladesh

GERMANY

MicroEnergy International GmbH
C/O ME SOLshare Germany
Potsdamer Straße 143, 10783 Berlin, Germany

INDIA

ME SOLshare India Private Limited
B-102, Brigade Gardenia Apt., 9th Cross, RBI Layout, J. P. Nagar
8th Phase, Bengaluru, Bangalore, Karnataka, India, 560078

INTERNATIONAL

ME SOLshare International Pte. Ltd.
5 Shenton Way, #10-01 UIC Building, Singapore 068808

SOLSHARE'S TIMELINE

2013

IDEATION OF 'SWARM ELECTRIFICATION' CONCEPT AT STANFORD IGNITE.

2014

OPENED 1ST OFFICE & LAB IN DHAKA!
SELECTED FOR THE CTI-PFAN ASIA CLEAN ENERGY FORUM.

2015

COMPLETED SHARIATPUR PILOT GRID SYSTEM, FIRST OF ITS KIND!
OFFICIAL INCORPORATION CERTIFICATE RECEIVED

2016

UNFCCC CLIMATE AWARD AT COP22

2017

8 SOLAR P2P GRIDS INSTALLED BY Q1
SEED FUNDING RAISED THROUGH ANGEL INVESTORS: USD 385K

2018

UNDESA GRANT TO IMPLEMENT 100 GRIDS, RAISED SERIES A FUNDING OF USD 1.64M, WORLD'S
BEST ENERGY STARTUP, FREE ELECTRONS

2019

25 SOLAR P2P GRIDS INSTALLED.
INSTALLED 2 SOLAR P2P GRIDS IN INDIA
WON GLOBAL CLEANTECH 100

2020

38 SOLAR P2P GRIDS INSTALLED.
RAISED BRIDGE ROUND OF US\$ 1.5M (US\$ 2.75M GOAL).
WON GLOBAL CLEANTECH 100

2021

100TH GRID ACTIVATED.
EV CHARGING LAUNCHED WITH 6 EV CHARGING STATIONS
SOLAR ROOFTOP PROJECT
THE EARTHSHOT PRIZE FINALIST UNDER THE CATEGORY OF FIX OUR CLIMATE
SOLSHARE AND SHAKTI FOUNDATION RECEIVED £300,000 FINANCIAL SUPPORT FROM FCDO

2022

WINNER OF THE ZAYED SUSTAINABILITY PRIZE 2022 IN THE CATEGORY OF ENERGY
LIGHTHOUSE PROJECT IN ROHINGYA REFUGEE CAMPS IN PARTNERSHIP WITH UNHCR
INAUGURATED THE SMART RENEWABLE ENERGY PILOT PROJECT IN RAJSHAHI WITH BAT
INAUGURATED THE PCC
LAUNCHED SOLAR ROOFTOP PROJECTS WITH 4 COMPLETED PROJECTS

SOLSHARE'S IMPACT



115+ GRIDS



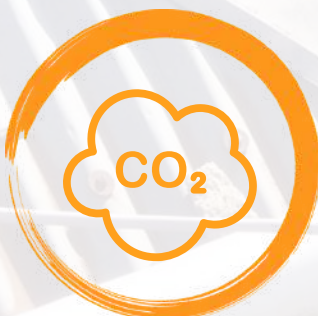
460+ kW_p INSTALLED
15+ MW_p IN THE PIPELINE



150,000+
ELECTRIC THREE-WHEELER
KM DRIVEN



50,000+
LIVES IMPACTED



650+ MTCO₂
EMISSIONS REDUCED



PEER-TO-PEER MICROGRID

SOLshare is building upon the success of an installation base of **6 million** solar-home systems (SHS) in Bangladesh that generates an excess amount of energy worth US **\$1 billion** per year that cannot be stored by individual systems.

We are the pioneer of an ICT-based micro-energy transition model, which interconnects solar home systems into smart peer-to-peer micro-grids, monetizing (excess) solar energy along the value chain with mobile money in real-time, thus empowering rural communities to earn a direct income from the sun.

SOLshare is propelling the systemic change of how people use and move electrons around the globe in the spirit of the new energy world fueled by the **5 D's: Decarbonization, Decentralization, Democratization, Disruption & Digitization**. SOLshare's solutions could potentially change the future face of utilities globally, and leapfrog rural communities today.

The smart interconnection of existing and new SHS results in additional electrification of households that could not afford a system themselves, increased capacity for productive use and livelihood improvements, and becomes a source of a new and direct income from their SHS as a prosumer.



NEED AND CHALLENGE

The Government of Bangladesh projects that electricity demand will reach **34 GW** by **2030** and at least **52 GW** by **2041**. However, with an actual generation below **12,000 megawatts** and over **10 million** people living in Char areas, the penetration of renewable energy is deeply challenged. The poor transmission infrastructure constrains the system and limits the possibilities of a large amount of excess energy, up to **30%**. An unreliable power supply materializes in constant outages that highlight the day-by-day gap between demand and supply.

Moreover, one of the highest charges for renting light and mobile charging, at **US \$3.50/kWh** and **US \$10.50/kWh** respectively, have fostered private power installations, which now represent **50%** of total investments. Financing options, however, are scarce, locking isolated communities into an energy poverty trap. Lastly, the lack of accurate data in char and river island areas is a stumbling block on an unstructured process that results in significant delays, expenses, and viable projects being discarded. This leads to an opportunity for micro-grids at the community level to enable local balancing, provide extra revenue schemes, and unlock productive use potential.

Productive use at a community level, however, cannot be stimulated only through the provision of energy; a supportive ecosystem that combines access to financing for appliances with entrepreneurial training and market pull for the newly improved, enhanced products and services needs to be created. Bangladesh is the birthplace of microfinance for the poor; today, Bangladesh's microfinance institutions cover some **32 million** members and give out more than **\$7.2 billion** annually.

On one hand, combining access to energy systems with financial inclusion instruments and entrepreneurial training for productive use is a clear market opportunity for SOLshare, as it would open the outreach to more than 10 million people who will remain off-grid. On the other hand, the value of the data collected through the peer-to-peer grids could set an academic benchmark for open source models for electricity pricing in decentralized power markets.

SOLshare is proving how enabling and expanding energy access (**SDG 7**) can transform the energy-poor into a sustainable community (**SDG 11**) towards the sustainable and clean bottom-up energy transformation of a country (**SDG 13**), whilst enhancing gender equality (**SDG 5**), local productivity (**SDG 1**) and value-added at the level of isolated communities.



P2P MICROGRID TECHNOLOGY

The idea behind the development of the SOLbox was research discovering that **30%** of solar energy is lost every day. This translated into **600,000kWh** of energy that was being lost from **6 million Solar Home Systems (SHS)** daily. SOLshare's technology was developed to tap into this excess energy and create a platform that would allow users to trade this excess energy while simultaneously making a profit. This inclusive approach allowed those without solar home systems access to affordable and clean energy with just a SOLbox.

SOLshare's technology is comprised of our ICT enabled energy trading platform (**the SOLgrid**), a peer-to-peer (P2P) solar micro-grid, that interconnects households and microbusinesses with and without solar home systems allowing users the freedom to use the energy as a producer, prosumer, or a consumer.

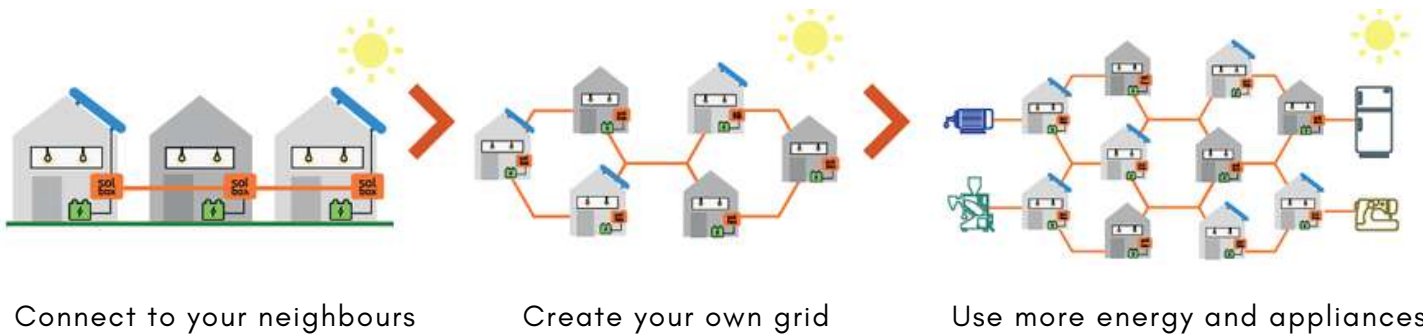
The **SOLbox** is a machine-to-machine (M2M) enabled integrated direct current bi-directional power smart meter that is the point of interconnection within the peer-to-peer (P2P) network. It is the precursor of the 'swarm' approach for sustainable rural electrification. The world's first solar peer-to-peer grid has significant entrepreneurial benefits for all Solar Home System (SHS) users in remote and rural areas in Bangladesh and India where main grid electricity is currently unavailable.

The **SOLgrid** is dependent on an Internet of Things (IoT) working together called the **SOLbazaar**. The SOLbox is installed in every home within the microgrid and empowers users to choose whether to become consumers, producers, or prosumers of energy. The SOLbox shows each user how much energy they can trade, and users can top up the box using pay-as-you-go mobile payment software such as bKash.

Each user is registered using SOLshare's app, the **SOLapp**, which allows SOLshare to study the energy trading data of each user. Every microgrid has a Wi-Fi tower through which data from the surrounding SOLboxes are transmitted to SOLshare's head office. Here, the data team receives, analyzes, and translates this data, which is then stored on a dashboard, the **SOLweb**. This allows the team to stay abreast of any issues that could hamper the performance of the SOLboxes and repair them remotely when issues are minor.

Data collection is a primary objective of SOLshare which is used as a part of operations and maintenance. Each microgrid has a trained appointed **SOLshare Area Manager (SAM)** who looks after the grid and can help tackle minor problems that may occur. The SAM also ensures that a field engineer is on-site if a bigger problem happens. All of the analyzed data is ultimately used by SOLshare's R&D and Lab teams to continue to upgrade and optimize the SOLbox.

TOPOLOGY & DYNAMISM OF SWARM ELECTRIFICATION



A web-based energy trading marketplace, where people can trade excess electricity.

Other functions include data and grid management, customer support, and integrating data from:

- 1. SOLbox:** Smart plug & play IoT net metering device for P2P trading, and grid creation by connection with other SOLboxes.
- 2. SOLapp:** Android-mobile app for customer/ payment management and grid maintenance
- 3. SOLweb:** Information gathering and analyzing to understand trends and monitoring for irregularities

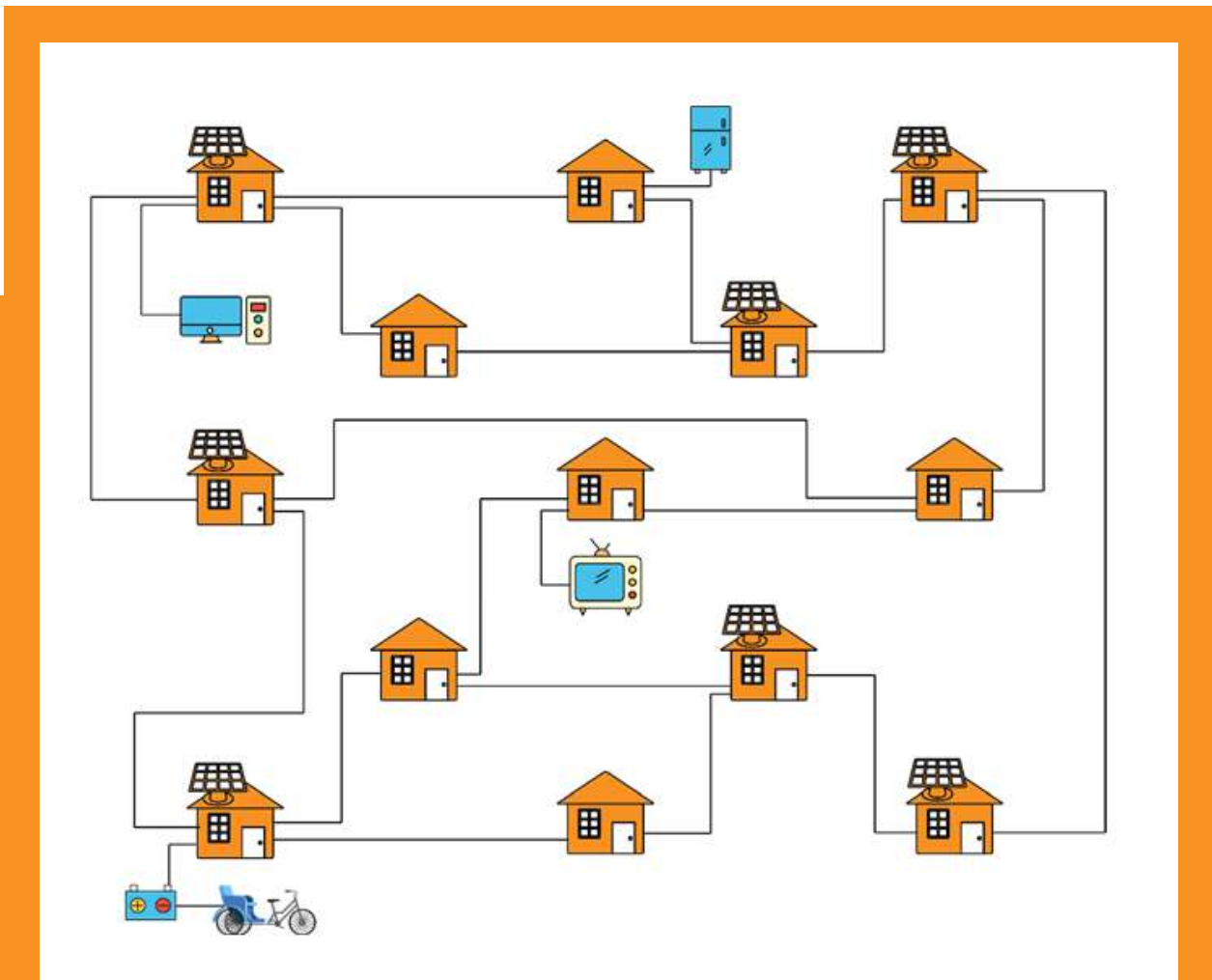
SOLSHARE'S MODEL

Peer-To-Peer Solar Micro Grids

A platform where solar home system users and non-users can exchange electricity

Benefits:

1. Increased access and affordability of a stable electricity supply
2. Increased flexibility and buy more energy when required
3. Generate income by selling electricity



SOLSHARE'S MODEL



Access to energy

Basic needs are met immediately
Opportunity for productive energy use



Improved livelihoods

Alternative Income Generating Opportunities
Increased Resilience



Community Empowerment

Building Market Linkages
Revenue Generation

**RURAL ECONOMIC
DEVELOPMENT**



ENERGY EFFICIENT SOLUTIONS FOR EV CHARGING

WHAT WE DO

Micro-mobility, consisting of, but not limited to two- and three-wheelers, is the fastest growing form of transport in emerging markets due to its small size and relative affordability (UNEP, 2021). However, the electrification of micro-mobility is still nascent in many urban and rural areas of emerging economies, due to affordability barriers, a lack of infrastructure, and unreliable energy systems (KPMG, 2020).

Since the beginning of 2021, SOLshare has been surveying the local three-wheeler EV market. Today, the company has already taken co-ownership of 6 charging stations across the country with ongoing piloting for smart batteries, and we believe that we can increase the e-rickshaw driver's income by **25%**, enough to bridge the deficit gap that drivers currently suffer under when they take up a loan for their vehicle plus battery set.

The electric 3-wheeler (E3W) charging market in Bangladesh is the country's transportation backbone. With **~5M EVs** plying predominantly the semi-urban and rural areas. In the context of Bangladesh, **E3Ws** hold an answer to solving the power overcapacity conundrum. According to the Bangladesh Power Development Board, only **40%** of the power generation capacity is currently being utilized in Bangladesh. The market is yet to be formalized and to date the present charging infrastructure is hazardous, uncoordinated, and informal. It is also largely only available during the night for non-rickshaw owners, making it slow and inefficient. Furthermore, often the mileage for charge is not known. SOLshare's surveys have shown that there is a fair amount of range anxiety among rickshaw drivers unwilling to take up the more profitable long-term trip (>10km) in the afternoon.

The Need

In the current process, rickshaw pullers are unaware of their mileage for charge, giving them range anxiety. Rental rickshaw drivers pay **89%** more to charge their batteries than garage owners would have to pay to charge from the grid. Not to mention, these commercial battery banks only last between **6-7 months**, whereas conventional lead-acid batteries last between **2-3 years**, while lithium-ion batteries go for **5-6 years**. The charging mechanism is also decentralized, as EV owners partner with households who run mini charging stations using the residential tariff which is significantly higher than the EV charging official tariff.

On part of the charging stations, they too are at a loss with their high electricity costs due to inefficient chargers, lack of commercial meters, and improper wiring. They also lack the capital to invest in commercial charging stations, which can bring down the electricity cost.

While the advantages of LI batteries by far outweigh the older lead-acid (LA) battery technology, leading to a per-day cost reduction of more than **70%**, to date there are hardly any LI batteries on the road, nor any systematic approach to charge those vehicles. LI batteries used for e-mobility can be repurposed for rural stationary storage applications, such as our solar p2p grids.

There is a mix of lack of access to supply chains, financing, and enabling for the LI batteries at play that have to date prevented a systematic larger uptake. In neighboring India, in turn, this rapid transformation has already been initiated. In Bangladesh, we are the first mover with our PAYG lithium-ion battery leasing model through a smart partnering approach,

The Scope

The number of EVs is constantly increasing every year, providing more scope for growth. According to our surveys, more than **90%** of garage owners are willing to increase the number of charging sessions, given that the batteries can be charged faster, and can be done so during the day. EV drivers are also willing to spend an additional **30%** for day-time charging if it can provide them with extra mileage amounting to at least **BDT 100**. This creates a market opportunity of approximately **USD 200M**.

What We Do

Our e-mobility solution eliminates tailpipe emissions from the electric three-wheelers we work on, addresses good health by reducing pollution, and contributes to building sustainable cities. Rural communities can safely transport their produce, typically food, increasing their productive efficiency. Improved food systems transportation can nourish populations better and provide fair incomes to producers through access to new markets, allowing them to exit the cycle of poverty and contribute more to economic growth.

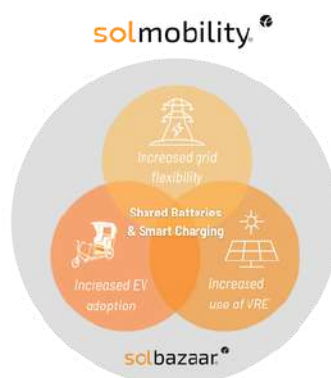
We distinguish three different types of E3W: electric rickshaws (ER), electric mishuks (EM), and easy bikes (EB)

Our innovation helps to increase the profits of rickshaw drivers. This is accomplished by introducing both, new battery technology and improved battery financing into the market.

SOLshare de-risks the provision and financing of these battery assets by providing hardware and software solution that allows remote access and monitoring of these batteries. This allows us to provide financing for lithium-ion batteries and makes them available to the market at a significantly lower cost per day. Moreover, this will give way to evaluate default probability and gives financial institutions a basis to show them a path to risk reduction.

These services here encompass:

- Risk evaluation support.
- Support in the collection.
- Visibility on performance.
- What happens during default.



We de-risk early investment in battery leasing infrastructure through an intelligent platform approach.

It is key to align the incentives of the involved actors. Drivers to take up loans supported by SOLshare to gain credit history for better access. For garage owners to decrease default risk, and increase their credit eligibility, in turn, from banks, and for banks to tap into a new market with the comfort of data insights. These batteries, given their longer lifetime and smaller capacity, will reduce their daily battery cost. EV drivers will be able to pay on a per-use basis, rather than be locked into a constant cycle of debt.

SDG Impacts

SDG 1: EV drivers will have an opportunity to earn more through more efficient charging, less frequent battery replacements, and by covering more distances per day for an increased income.

SDG 5: They will be able to charge during the day and could pose an opportunity for more women in the sector as less manual labor is involved

SDG 7: Through this charging system, there will be an increase in access to energy in a reliable manner

SDG 8: It will create better governance by providing better and safer service with a requirement for rickshaws to be registered. There will be an additional push for electric rickshaws to register for access to service. With more and better-charging sessions, more work opportunities will arise in the sector.

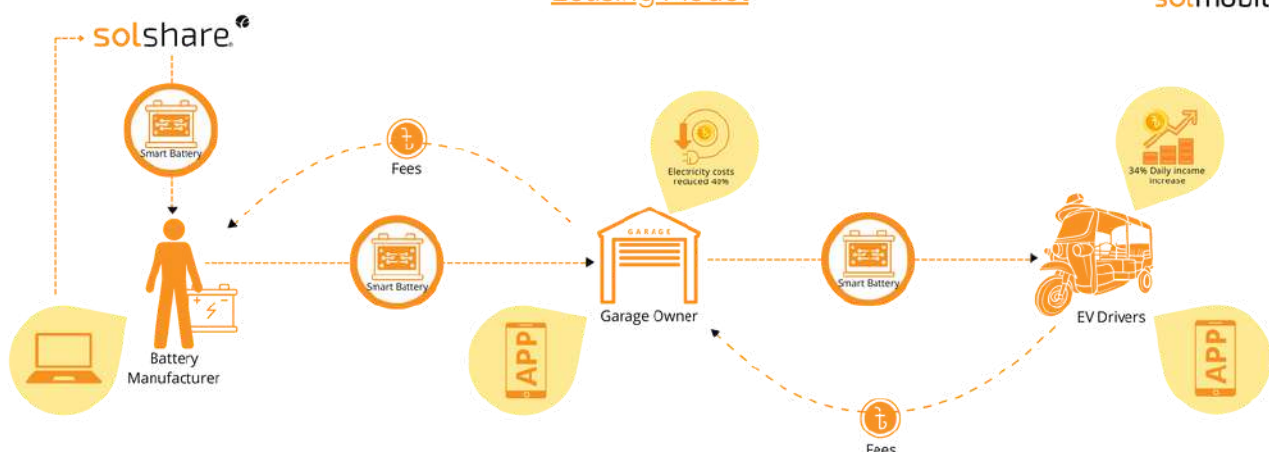
SDG 10: The use of smart chargers within the EV charging stations will reduce battery damage and extend battery life for EV drivers thereby reducing their additional heavy investment cost every 6-9 months, providing them an opportunity to pull out of the vicious debt cycle. This will create an increased income through access to energy, which could break the poverty cycle for many.

SDG 13: The planned use of solar PV within the EV charging stations has the capacity to reduce tons of carbon emissions annually, making them a more environmentally conscious choice compared to energy sourced from fossil fuels.

The SOLmobility Business Model

Leasing Model

solmobility®



SOLAR ROOFTOP IN BANGLADESH

The Global South is more vulnerable to the effects of climate change and global warming, where Bangladesh is a highly vulnerable place due to rising sea levels. Solar Rooftop installations provide an alternative way to electricity generation that works to fight climate change, and helps to reduce overall energy costs, while increasing the reliability for the electricity supply. As a clean source of energy, Solar PV creates opportunities for sustainable operation and an alternative solution to increasing LNG prices.

The Need

The total sunshine hour in the country lies **10 to 13** hours per day throughout the year, and natural gas still accounts for **73%** of the country's commercial energy. The Electricity price has been increasing every **2-years at 15% (2017)** and **38% (2019)**. The Bangladesh Power Development Board (BPDB) has proposed to raise the bulk tariff of electricity by **23.28%** from **2021** to tackle the massive financial deficit. **40,000 MW** of electricity in Bangladesh could be generated from solar energy by 2041, in which case it would constitute **50%** of the country's installed capacity.

The average annual growth of gas in the past **10 years** has been **5.63%** for industrial use. The Power System Master Plan (PSMP) 2016 also proposed that Bangladesh needs to increase the tariff for gas, coal, and oil products due to expensive imported fuel and investment in energy infrastructure.

The average annual growth of grid electricity in the last **7 years** has been **5.01%** for industrial use, which is correlated with gas prices. The Power System Master Plan (PSMP) 2016 also proposed that Bangladesh needs to increase tariff by **10.3%** until **2041**, to be able to respond to the financial need for the expansion and quality enhancement of power infrastructure.



The Scope

At least **8,000 MW** of solar power could be generated by **2041** in case of "as usual business case scenario", and **25,000 MW** in a "medium case scenario". Currently, Bangladesh generates a total of **649.61 MW** of electricity from different renewable sources while the country's total generation capacity is **22,000 MW**. Of this, **415.68 MW** is being generated from solar power. This leaves a big gap for improvement and implementation of solar power, which could potentially help Bangladesh reach the target numbers.

While the price of electricity increases with time, the cost of solar power remains the same over time. Hence, the use of rooftop solar services reduces production and energy costs, increases the reliability of electricity supply, and provides an alternative solution to increasing electricity prices by costing **15-20%** less than that of utility services.

The installation of Solar Panels also allows more industries to earn LEED points, eventually making them LEED-certified buildings. As of 2021, Bangladesh has a drastically low number of LEED-certified buildings (**100+**) compared to our neighboring country India (**1000+**).

What we do

Being a pioneer in its line of work gives SOLshare the upper hand in market expertise and enables SOLshare to provide the right services.

Our pre-feasibility study consists of:

- Analysis of present energy consumption
- Analysis of roof conditions
- Estimation of solar PV rooftop potential
- Financial model
- Implementation proposal

Impact

With the Net Metering Policy in place, electricity bills will be lower with the use of Rooftop Solar. This will increase profits for factories while reducing carbon emissions, overall improving the economy.

More than **500 factories** have registered to make their manufacturing facilities more eco-friendly in the garment exporting powerhouse and the nation's net metering rules offer an obvious step in the right direction.

To date, SOLshare's solar rooftop customers include:



British
High Commission
Dhaka





SOLTEAM

SOLshare has consistently set and reached ambitious targets in an incredibly difficult and regulated market, such as the setup of local R&D and small-scale manufacturing as well as first pilot implementations. The **Dhaka team** is propelled forward through a direct connection with the rapid pace of the Berlin renewable energy tech scene via our Berlin R&D office. The resulting bi-directional knowledge transfer and development process place us at the cutting edge of product development in the global South context. SOLshare's core team comes with a diverse background in engineering, economics, social science, design, and management with extensive experience in Bangladesh and the developing world.

Levels of Management

CXO	Founders- Strategy Development
PRINCIPAL	Strategy Development
LEAD/HEAD	Leadership, Process Development, Staff Management
SENIOR	Train & Implement
REGULAR	Implement
JUNIOR	Learn & Implement
ASSISTANT	Support

LEADERSHIP TEAM



Chief Executive Officer (CEO)
(Founder)
Dr. Sebastian Groh

Dr. Groh is a 2013 Stanford Ignite Fellow from Stanford Graduate School of Business (USA) and holds a Ph.D. from Aalborg University (Denmark) and the Postgraduate School Microenergy Systems at the Technische Universität Berlin, where he wrote his thesis on the role of energy in development processes, energy poverty, and technical innovations. He published a book and multiple journal articles on the topic of decentralized electrification in the Global South.

Since 2014, as the CEO and Co-Founder of SOLshare, Dr. Sebastian Groh's passion has led company vision into reality. He is also an Associate Professor at the BRAC University Business School in Dhaka, Bangladesh. On behalf of SOLshare, he won the empowering people Network Award 2019 from the Siemens Stiftung Foundation. Dr. Groh was further selected into the SE100 2017, a list of the top 100 Social Enablers around the world.

Dr. Sebastian Groh is working as the Chief Executive Officer of SOLshare. He manages the overall operations of the company and his passion has led company's vision into reality.



Chief Financial Officer (CFO)
(Founder)
Daniel Ciganovic

Daniel Ciganovic holds a Master's Degree in Economics from the University of Trier with a specialization on Monetary Economics and Social Psychology. He has more than ten years of experience in business development and international development projects and has worked in Germany, Serbia, and Bangladesh.

As Co-Founder and CFO of SOLshare, Daniel is leading the business as well as company development activities, and is overseeing the company financials, accounting, and HR department.

He moved to Dhaka, Bangladesh in January 2015, and has played a major role in the fast development of the company, with a focus on product market fit, operational and business model development. Before joining SOLshare, Daniel worked as an independent consultant for IT Start-Ups in Germany. He then worked in the development sector as a consultant for MicroEnergy International in Germany as well as the KfW Development Bank and GIZ in Serbia, where he was involved in energy and private sector development projects.

Hannes Kirchhoff grew up in Germany and the U.S. and has lived in South Africa, Tanzania, and Bangladesh. Kirchhoff is an energy and process engineer and holds an MSc. in Renewable Energy Systems engineering, and is pursuing a Ph.D. in DC Microgrids. Before joining SOLshare, Kirchhoff has worked as a technical consultant for MicroEnergy International (Germany) on several projects in Asia and Africa undertaking technology, supplier, and value chain assessments. Previously, he has worked for CAMCO (Tanzania), Schott Solar CSP (Germany), and the Institute for Ecological Economy Research (Germany). Kirchhoff has authored multiple technical and non-technical international publications on the topic of swarm electrification. He was the awardee of the German National Academic Foundation as well as a scholar of the national Ph.D. program of the Federal Ministry of Education Germany. Kirchhoff is involved in standardization work in IEEE and IEC, has co-authored the VDE DKE "Low-voltage direct current standardization roadmap", has served in IEC system evaluation groups, and is a member of the IEC System Committee Low Voltage Direct Current (SyC LVDC).

As the CTO of SOLshare, he is responsible for the provision of prepaid and energy-trading platforms for energy access technologies.



Chief Technology Officer (CTO)
(Founder)
Hannes Kirchhoff



Director of Operations
Aziza Sultana (Mukti)

Aziza holds a Bachelor's and Master's in Science in Geology and Mining from Rajshahi University, and later completed a Master's in Business Administration with a major in marketing from BRAC University, Bangladesh. She possesses over 15 years of experience in the blend of retail and development sector in Bangladesh.

Prior to joining SOLshare, she was part of the management team of BRAC Aarong for over a decade, one of the most successful social enterprises in the world. She earned a gold medalist at Rajshahi University and was announced the BRAC values award winner. Fluent in Bengali and English, Aziza has mastered a range of extra training programs on leadership, gender awareness and analysis, strategic decision making, as well as M&E. Aziza codeveloped the smart entrepreneurship approach at SOLshare with an emphasis on its female end-users. As the Head of Operations of SOLshare, Aziza is leading the field operations, sales, aftersales, customer-relations, and production unit and has played a major role in establishing SOLshare in the local energy market in Bangladesh.

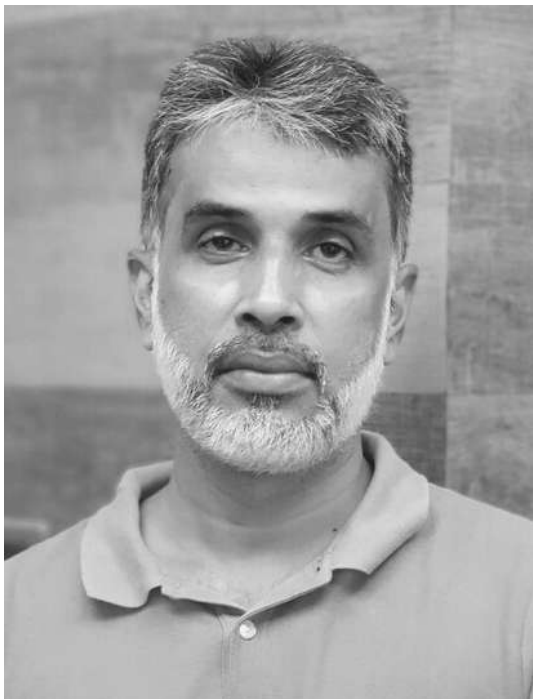
Eshrat Waris is a product development and business strategy specialist based in Bangladesh's technology sector. She pursued her higher and graduate education at the United World College in Wales, Warwick University, and the School of Advanced International Studies of Johns Hopkins University.

Currently, she is pursuing her MBA at the MIT Sloan School of Management. Previously, she led the Technology for Development team of the Skills Development Program at BRAC, where she deployed solutions for customers in the informal economy.

Prior to joining BRAC, Eshrat was at the World Bank headquarters working on social protection, urban, and governance issues.



Director of Product & Business
Eshrat Waris
**On sabbatical*



Director of Engineering & Innovation
Syed Ishtiaque Ahmed

Ishtiaque completed his Bachelor's from the Chittagong University of Engineering & Technology, and his Master's in Business Administration (Finance) from the Institute of Business Administration at Dhaka University. Ishtiaque has worked in the renewable industry for over 13 years with a focus on solar, and DRE. His expertise in Photovoltaics includes floating solar system assessments, MW Solar IPP design, grid connection, off-grid, and hybrid PV systems, and Solar pumping systems. He has worked on feasibility studies, system design specifications, project rollouts, and program design.

Ishtiaque has extensive knowledge of rural energy programs, renewable energy-based agriculture interventions, solar rooftops, and solar park design. Prior to SOLshare, Ishtiaque was working at Rahimafrooz Renewable Energy Ltd. as the Head of Off-grid. Ishtiaque is a member of the Institution of Engineers (IEE) in Dhaka as well as a member of the Bangladesh Solar Society. He is also the Chairman of the Power Electronics Subcommittee.

Isa Abrar completed his Bachelor's at the American International University - Bangladesh (AIUB), with a Summa Cum Laude. Abrar brings with him more than 10 years of experience in technology through his previous roles.

Prior to SOLshare, he led sBusiness.xyz (Sheba Platform Ltd), a B2B SAAS company, several large-scale ICT projects with Bikroy.com, worked with Samsung Electronics as a Product Manager for IT Products, and local esteemed conglomerate aamra Companies.



Director of Product and Business Development
Isa Abrar

Salma is a Chevening Scholar with an MSc. in Development Studies from SOAS, University of London, and a BSc in Environmental Studies from NSU. She spent 15 years working in various development sector organizations such as Oxfam GB in both Dhaka and London, NACOM, ICCCAD, and Adam Smith International (ASI).

Her main focus has been on Project Management, Research, and Policy Analysis. She spent her childhood in the United States and has worked and studied in Bangladesh, the Middle East, and the UK. Prior to SOLshare, she was the Senior Research Advisor for the Economic Dialogue on Green Growth (EDGG) a project implemented by ASI in Bangladesh.

She is currently the Head of Projects, Fundraising, and Communications at SOLshare, managing all of SOLshare's ongoing donor and private-sector-funded projects. In the past, she managed projects on Green Growth, WASH, the Bangladesh INDC, and Food Security funded by USAID, CDKN, the EU, and DFID. Through this, she brings with her a wealth of development sector experience and a true passion for improving rural livelihoods.



**Head of Projects, Fundraising and
Communications**
Salma S. Islam

BOARD OF DIRECTORS



Chief Financial Officer (CFO)
(Founder)
Daniel Ciganovic



Chief Executive Officer (CEO)
(Founder)
Dr. Sebastian Groh



Chief Technology Officer (CTO)
(Founder)
Hannes Kirchhoff

NON-EXECUTIVE BOARD OF DIRECTORS



Giancarlo Savini
Investment Director - Climate Tech,
Future Energy Ventures

Giancarlo Savini is the Cimate Tech Investment Director at Future Energy Ventures, the venture investment arm of German utility giant E.ON. An engineer by training with over 15 years of early stage technology management experience and 6 years of investing experience, Giancarlo has been involved in 23 deals and driving directly two exits.

He was awarded a GCVI Global Energy Award in 2019 and taught Corporate Venture Capital and Innovation at IMD Business school. Giancarlo also co-authored several publications on material science and corporate venture capital.



**Impact Capital Holdings Pte. Ltd ,
Managing Director
Robert Kraybill**

Robert Kraybill is the Managing Director, Portfolio Management for the Impact Investment Exchange (IIX) based out of Singapore. IIX is a global organization dedicated to building a more inclusive world as the foundation for sustainable peace. They do this by changing financial systems and innovating solutions for women's empowerment, climate action, and community resilience. Over the past decade, they have built the world's largest crowdfunding platform for impact investing (Impact Partners), creating innovative financial products such as the Women's Livelihood Bond, operated award-winning enterprise technical assistance programs such as IIX ACTS, and established an Impact Institute for training and education.

To date, their work has spanned 40 countries, unlocked nearly \$75 million of private sector capital to support 130+ enterprises, avoided over 850,000 metric tons of carbon, and impacted over 23 million lives.

IIX has received numerous awards for its work including the Oslo Business for Peace Award, the 'Nobel Prize for Business.' The IIX Growth Fund (IGF) is a US\$25 million equity fund that invests in enterprises throughout South and Southeast Asia that bring innovative social and environmental solutions to the remotest corners of the world. Rob Kraybill started to mentor SOLshare on financial issues in 2013 when SOLshare came 3rd in the CTI PFAN business plan competition. The engagement which came as part of the prize was originally intended to be one year. However, the relationship between Kraybill and SOLshare never stopped. Today, Kraybill is sitting on our Board representing the IIX Growth Fund.

EDP is an energy producer, distributor, and retailer with 12 million customers in Portugal, Spain, and Brazil. Its renewable power business is present in 14 countries including the US and Brazil.

EDP Ventures is the early-stage corporate venture capital fund of the EDP Group, with the aim to support and stimulate the open innovation process in the energy sector.

António Mexia, CEO of the EDP Group, is also the Chair of the Administrative Board of Sustainable Energy for All.



**Energias de Portugal (EDP)
Executive Board Member
Manuel Luis**

SEED INVESTORS AND ADVISORY BOARD



**Founder of SBK Tech Ventures &
SBK Foundation
Sonia Bashir Kabir**

Sonia Bashir Kabir is the Chairman & CEO of SBK Tech Ventures, a Steering Committee Member at the International Network for Government Science Advice (INGSA), an Advisor at the Federation of Bangladesh Chamber of Commerce and Industries (FBCCI), and a CXO Advisory Board Member at Dell Technologies APJ. After completing her MBA, she worked in the Valley for Fortune 100 companies (Sun Microsystems & Oracle), startups and in the financial district. Her expertise includes strategic planning & growth, sales execution, financial management, team building, and change management. Sonia was the Managing Director for Microsoft Bangladesh, Nepal, Bhutan, and Laos before starting SBK Tech Ventures. She is also the Founder, Chairman, and CEO of SBK Foundation, her non-profit entity that believes in empowering rural communities with technology.

Sonia is the Vice Chairman and Co-Founder of D Money (Fin-Tech start-up), Vice-Chairperson of United Nations Governing Council Technology Bank for Least Developed Countries, Vice President and Co-Founder of Bangladesh Women in Technology (BWIT), and the Founder President of TiE Dhaka (www.tie.org). Sonia has been recognized as a 2017 SDG pioneer by the UN Global Compact and is the recipient of the 2016 Founders Award by Bill Gates. Sonia has been part of the first seed round of SOLshare and also serves SOLshare as a mentor, has kick-started a CSR project between Microsoft, the garment sector, and SOLshare for 2018, as well as a Microsoft fellowship for a new SOLshare data analyst (tbc).



**Director, Centre for Energy
Research of UIU
Shahriar Ahmed Chowdhury**

Shahriar Ahmed Chowdhury is a Director at the Centre for Energy Research of UIU, and obtained his B.Sc. in EEE from BUET and MSc. in Renewable Energy from the University of Oldenburg, Germany. He worked for Dhaka Electric Supply Authority (DESA) and Bangladesh Power Development Board (BPDB) for ten years, where he was responsible for distribution system planning and design, load management, Grid system control and protection, Grid substation maintenance, and SCADA systems.

Mr. Chowdhury has designed and initiated a course in Renewable Energy for the first time in Bangladesh for undergraduate students. He performed the technical auditing of the SHSs installed all over Bangladesh in 2008 and 2011. He has established the Centre for Energy Research in UIU in 2010. Shahriar has accompanied SOLshare since its beginning and has been instrumental in its local establishment and continues to be so.



**Chairman, Microenergy
International.
Daniel Philipp**

Daniel Philipp has more than 20 years of experience in energy engineering and economics, strategic business development, technology design, clean energy technologies (CET) implementation, testing of standards for CETs, supervision of CET installation and testing, monitoring and impact evaluation. Since 1995, he has been involved with microcredits for developing aid policy. In 2002/2003 he conducted research in cooperation with the Technische Universität Berlin on the enterprise Grameen Shakti (GS) in Bangladesh, together with GS's loan officers on how green microloans can be disbursed for SHS. Ever since, he has tried to replicate through different technical assistance programs the Bangladeshi model of linking CETs with affordable financing in countries such as the Philippines, Peru, Tanzania, Burkina Faso, Senegal, Ghana, and Ethiopia. He possesses a deep understanding of the complexity of the supply chains of CETs in different socioeconomic and cultural contexts. He has been involved in technical and financial due diligences of PAYG companies in West and East Africa. He has a combined BSc. and MSc. in Process and Energy Engineering at the Technical University in Berlin, and is currently leading the MicroEnergy Systems Postgraduate School within the Technical University Berlin. Mr. Philipp is fluent in German (his mother tongue) and proficient in English and Spanish.

The ME in the SOLshare name indicates the strong affiliation of SOLshare being born out of the ME family. SOLshare's founders all started working in the energy access space.



**Founder, Managing Director &
Partner Microenergy
International.
Noara Kebir**

Noara Kebir's work at MicroEnergy International focuses on innovation, incubation, and the development of strategic topics and partnerships. She is a board member and advisor in many companies in Germany, Bangladesh, Singapore, and Algeria. Kebir is a passionate advocate for the hybridization of scientific research and social business. This is the main reason why she initiated the Scientific Research Group Microenergy Systems at the University of Technology in Berlin in 2005.

Kebir is a senior consultant with 20+ years of experience in energy engineering and economics, inclusive finance and strategic business development, policy assessment and design, project implementation and monitoring. She has the know-how and experience of developing programmatic implementations of pilot and scale up phases, adapted to the need of end-users and the capacities of the implementing partners. She has been a great asset to the company through her regular visits to Dhaka to see and guide its development first-hand.



**Director of Renewable and
Appropriate Energy
Laboratory (RAEL) University of
California, Berkeley, Former
Science Envoy at U.S.
Department of State; Class of
'35 Distinguished Chair in
Energy, University of
California, Berkeley.
Dr. Daniel Kammen**

Dr. Daniel M. Kammen is a Professor of Energy at the University of California, Berkeley, with parallel appointments in the Energy and Resources Group, the Goldman School of Public Policy, and the department of Nuclear Engineering. He was appointed by then Secretary of State Hilary Clinton in April 2010 as the first energy fellow of the new Environment and Climate Partnership for the Americas (ECPA) initiative. In 2016 he was asked to serve as the Science Envoy for U. S. Secretary of State John Kerry, which he did until August 2017 when he resigned over the policies and actions of Donald Trump. Dr. Kammen is the founding director of the Renewable and Appropriate Energy Laboratory (RAEL), and was Director of the Transportation Sustainability Research Center from 2007 - 2015. He has founded or is on the board of over 10 companies, and has served the State of California and US federal government in expert and advisory capacities, including time at the US Environmental Protection Agency, US Department of Energy, the Agency for International Development (USAID) and the Office of Science and Technology Policy. Dr. Kammen was educated in physics at Cornell (BA 1984) and Harvard (MA 1986; Ph.D. 1988), and held postdoctoral positions at the California Institute of Technology and Harvard. He was an Assistant Professor and Chair of the Science, Technology, and Environmental Policy Program at the Woodrow Wilson School at Princeton University before moving to the University of California, Berkeley. Dr. Kammen has served as a contributing or coordinating lead author on various reports of the Intergovernmental Panel on Climate Change since 1999. The IPCC shared the 2007 Nobel Peace Prize.

Dr. Kammen helped found over 10 companies. During 2010-2011 Dr. Kammen served as the World Bank Group's first Chief Technical Specialist for Renewable Energy and Energy Efficiency.

Dan was Sebastian's Ph.D. father, and therefore, knows SOLshare from its roots. He is a strong international ally and has also lobbied within Bangladesh for a more renewable energy future for the country.



**Investment Committee
Member, Asia, and Africa at
Berkeley Energy.
Andrew Reicher**

Mr. Reicher advises and invests in various renewable energy enterprises in developing countries. He is the Chairman of The Africa Renewable Energy Fund, which is managed by Berkeley Energy. A British national, he was educated in the UK and US, and after an initial period of 10 years in investment banking at Citibank and Credit Suisse, he has spent the past 28 years of his career in private equity investment with Botts & Company, Credit Suisse, CDC/Actis, and Berkeley Energy.



**Founder & Chairman of
Sangam Ventures
Karthik Chandrasekar**

Karthik Chandrasekar, in June 2012 took charge of a project to create an early-stage fund with a more than money approach to drive access to energy in emerging markets in partnership with Shell Foundation that is now Sangam Ventures. Karthik contributes actively to the seed early-stage cleantech ecosystem in India as part of the mentor/jury panel in the GEF-UNIDO Global Cleantech Innovation Program, the Lockheed Martin Innovation Growth program, the Millennium Alliance program, The ET Power of Ideas program and the TiE Delhi Clean Technology SIG. Prior to Sangam, he led clean-tech investments in India for Acumen Fund. During his time at Acumen, he was focused on providing risk capital to companies providing products and services to the poor and engaged with portfolio companies at the board level to provide strategic advice and governance. Prior to Acumen, Karthik was with TVS Capital Funds where he focused on developing an investment thesis for providing basic services in water, energy, and agriculture for inclusive growth. As part of the fund MD's initiative, he also assisted CII and Prof. C.K. Prahalad in developing a vision for India@75. During his initial career in the US and UK, Karthik worked in the banking and financial services sector with Goldman Sachs and Merrill Lynch in their Investment Banking and Private Client groups. Karthik holds an MBA from Chicago Booth, MS in Public Policy from Carnegie Mellon, and a B. Tech from IIT Bombay.



**H. S. Hamburg Solar GmbH
Dr. Hartmut Schüning**

Dr. Schüning holds a Ph.D. in Business Administration. From 2004 to 2009 he was the CFO of Q.Cells SE, where one of his achievements was his contribution to the solar company's successful IPO. In recent years Dr. Schüning has been active in helping to launch various startup enterprises in the solar industry. Prior to his engagement in the solar energy industry, Dr. Schüning worked for PricewaterhouseCoopers and was a Board Member at Edding AG and Techs AG.



PROJECTS

Project: Modern Energy Cooking Services

Client: MicroEnergy International

Status: Ongoing

Location: Bangladesh

Amount: USD 14,550

Main project features: Consultancy services for an in-depth exploration of cooking entirely with electricity via ICT-enables services in a range of households.

Project: GIZ PAP Consultancy

Client: GIZ

Status: Completed

Location: Bangladesh

Amount: USD 8,605

Main project features: Consultancy services for assessment of an overview of renewable energy & energy efficiency technology with dissemination potential in Bangladesh.

Project: GIZ EERGIE Consultancy

Client: GIZ

Status: Ongoing

Location: Bangladesh

Amount: USD 20,800

Main project features: Consultancy services for energy efficiency and grid integration of renewable energy business case demonstration for solar battery charging in Bangladesh.

Project: GIZ Net Metering Consultancy

Client: GIZ

Status: Ongoing

Location: Bangladesh

Amount: USD 43,000

Main project features: Consultancy services for the technical support in roll out of net metering applications in Bangladesh

Project: Green, Regulated EV Charging in Rajshahi to improve E-Rickshaw driver's livelihoods lighthouse project.

Status: Ongoing

Location: Bangladesh

Donor: BAT

Award Amount: GBP 46,420

Main project features: Integrating solar PV on an EV charging station in Rajshahi, under the net-metering policy. Deployment of lithium-ion batteries for EV drivers.

Project: Sustainable Dissemination,

Management, and Operation of a Charging Garage

Status: Ongoing

Donor: Clean Rides Limited

Sales Amount: BDT 1,474,731

Main project features: Business case for sustainable dissemination, management, and operation of a charging station garage.

Project: Smart Charging for Green Rides.

Status: Ongoing

Location: Bangladesh

Donor: P4G

Award Amount: USD 100,000

Partner: Integrated Development Foundation (IDF)

Main project features: Evaluating and strengthening the lithium-ion battery supply chain and developing an improved, robust, and scalable smart dongle that supports lithium-ion batteries

Project: Technical Feasibility of integrating P2P solar microgrid with the national grid through a single point of connection.

Status: Ongoing

Location: Bangladesh

Donor: FCDO

Award Amount: GBP 300,000

Partner: Shakti Foundation

Main project features: Implementation of a Point of common coupling (PCC) for through which a P2P solar microgrid will be connected to the national grid to feed in excess solar energy..

Project: Piloting 2 peer-to-peer solar microgrids in the Rohingya Refugee Camp on the Cox's Bazar peninsula.

Status: Ongoing

Location: Bangladesh

Client: UNHCR

Budget: USD 80,000

Main project features: Installation of 2 pilot P2P solar microgrids within the Rohingya refugee camp of Cox's Bazar.

Project: Electric Three-Wheelers (E3W) Charging to improve livelihoods for EV Drivers in Bangladesh

Status: Completed

Location: Bangladesh

Donor: Siemens Stiftung

Award Amount: EUR 80,000

Main project features: Testing and deployment of Lithium-ion batteries integrated with smart battery technology for the improvement of EV driver livelihoods.

Project: Impact Ready Matching Fund (IRMF)

Status: Ongoing

Location: Bangladesh

Donor: SIE-B/ Roots of Impact

Award Amount: USD 100,000

Main project features: Piloting of lithium ion batteries integrated with smart battery technology.

Project: Solar PV Program for Rural Areas

Status: Completed

Location: Bangladesh

Donor: UNDESA

Award Amount: USD 1,000,000

Partner: Grameen Shakti

Main project features: Installation of 100 P2P microgrids.

Project: Swarm Electrification in Bangladesh 2.0: Stimulating indigenous growth through rural-based solar rickshaw charging points

Status: Completed

Location: Bangladesh

Donor: GIZ

Award Amount: EUR 281,951

Main project features: Implementation of EV Charging.

Project: Rebuilding Lives through Energy Access

Status: Completed

Location: Bangladesh

Donor: UNHCR

Award Amount: USD 85,000

Main project features: Pilot of 2 p2p grids

Project: Access to Affordable, Reliable, Clean Energy

Status: Completed

Location: Bangladesh

Donor: DEG

Award Amount: EUR 100,000

Main project features: Installing 2,200 SOLboxes, and reducing SOLbox price to USD56

Project: Swarm Electrification

Status: Completed

Location: Bangladesh

Donor: BGEF and GIZ Endev Bangladesh

Award Amount: EUR 50,000

Main project features: Installation of three swarm grids in the rural off-grid areas of Mymensingh with productive energy use appliances.

Project: RCTs for SOLdemand estimations

Status: Completed

Location: Bangladesh electrification of Rural India

Status: Completed

Location: India

Donor: GIZ/ Cygni Energy Systems Ltd.sh

Donor: MIT and Harvard

Main project features: To test definite price points of customers and price sensitivities.

Project: SOL-IoT: INTERNET as a SERVICE

Status: Completed

Location: Bangladesh

Donor: Microsoft, Airband Initiative

Award Amount: USD 100,000

Main project features: Piloting Billable Wi-Fi within two SOLgrids.

Project: Swarm Electrification

Award Amount: EUR 50,000

Main project features: Installation of two pilot solar P2P microgrids in rural Assam in collaboration with Cygni.

Project: DYNAMIC SOLpricing

Status: Completed

Location: Bangladesh

Donor: ORIGIN Energy

Main project features: To test definite price points of customers and price sensitivities, including dynamic pricing models, to improve grid efficiency and predicting user behavior.

Project: AI to power the SOLbazaar

Status: Completed

Location: Bangladesh

Donor: Alpha Telefónica

Main project features: Joint SOLgrid data analysis and identification of new business opportunities for distributed energy infrastructure.

Project: Powerline Communication

Status: Completed

Location: Bangladesh

Donor: TEPCO

Award Amount: USD 20,000

Main project features: Leveraging existing infrastructure to transfer data.

Project: Providing Support for the Sustainable Energy Development Access Assessment SE4ALL

Status: Completed

Location: Bangladesh

Donor: TUV Sued / GIZ Bangladesh / World Bank

Award Amount: USD 50,000

Main project features: Assessment of the multi-tier energy access methodology

Project: Regional Technical Assistance (RETA) 7512: Empowering the Poor through Increasing Access to Energy—Swarm Electrification Pilot Project (Bangladesh)

Status: Completed

Location: Bangladesh

Donor: ADB

Award Amount: USD 100,000

Main project features: Piloting a smart solar peer-to-peer microgrid in Bangladesh

Project: Community Based Decentralized DC Microgrids for Combined Household and Productive Use

Status: Completed

Location: Bangladesh

Award Amount: USD 25,000

Donor: Infrastructure Development Company Ltd. (IDCOL)

Main project features: Piloting of electricity sharing enabled technologies

Project: Piloting and Implementation of DC microgrid concepts

Status: Completed

Location: Bangladesh

Award Amount: EUR 50,000

Donor: GIZ & Solar Energy Research Institute of Singapore (SERIS)

Main project features: Innovative ICT infrastructure piloting

Project: Research study on workability of solar minigrids for rural electrification and feasibility study of productive use of solar power in off-grid areas in Bangladesh

Status: Completed

Location: Bangladesh

Donor: ADB

Main project features: Feasibility study of productive use of solar power in off-grid areas

Project: A decentralized approach for rural electrification

Status: Completed

Location: Bangladesh

Donor: GSMA, Mobile for development (M4D)

Main project features: Integrating internet of things (IoT) services into the SOLgrid infrastructure including machine-to-machine communication capabilities and real-time mobile wallet services.

Project: Rooftop Solar Panel

Status: Signed MoU

Location: Bangladesh

Client: Heartland

Sales Amount: USD 400,000

Main Project Features: Installation of 10MW solar PV panels across 14 sites

Project: Rooftop Solar Panel
Status: Ongoing
Location: Dhaka
Client: British High Commission
Sales Amount: BDT 11,25,143
Main project features: Installation of 15.90 kWp grid-tied rooftop solar panel solution at BHC

Project: Pay As You Go [PAYG] Micro-Credit Program for EV Garages
Status: Ongoing
Client: Integrated Development Foundation (IDF)
Sales Amount: N/A
Main project features: Test the business case for the sustainable dissemination, management, and financial inclusion of Micro Small Medium Enterprise (MSME).

Project: Software maintenance and hardware licensing.
Status: Ongoing
Client: RANGS
Sales Amount: N/A
Main project features: Exclusive pilot to test technology for monthly payments of consumer electronics. (Minimum of 10,000 units).

Project: Dissemination of a range of LI Batteries
Status: Ongoing
Client: Grameen Shakti
Sales Amount: BDT 1,592,342
Main project features: Business case for the sustainable dissemination of a range of LI batteries.

Project: Rooftop Solar Power Solution
Status: Done
Location: Bogura
Client: Unilever Sales Depot
Sales Amount: USD 14,400 + BDT 3,100,000
Main project features: Installation of 39.6 kWp net metered rooftop solar PV system at the Unilever Sales Depot.

Project: Rooftop Solar Power Solution
Status: Done
Location: Dhaka
Client: Knit Concern Limited
Sales Amount: USD 109,000 + BDT 3,100,000
Main project features: Installation of 249.6 kWp grid-tied rooftop solar PV system at Knit Concern Limited garment factories.

Project: Rooftop Solar Power Solution
Status: Done
Location: Gazipur, Dhaka
Client: IRIS Fabrics Ltd.
Sales Amount: BDT 65,00,000
Main project features: Installation of 150 kWp grid-tied rooftop solar PV system at the IRIS Fabrics garment factory.

ACHIEVEMENTS & AWARDS



ACHIEVEMENTS & AWARDS

- 
- Winner of the **BASIS National ICT Awards 2022** for Sustainability and Environment Category of Inclusions and Community Services
 - Winner of the **Zayed Sustainability Prize 2022** in the Energy Category
 - Finalist for the **Earthshot Prize 2021** in the "Fix Our Climate" Category
 - Winner of the **Ashden Awards 2020** for Financial and Business Model Innovation in Energy Access
 - Winner **MIT Solve's 2020** Global Challenges for Good Jobs and Inclusive Entrepreneurship
 - 2019& 2020 **Global CleanTech 100 Company**
 - **Unilever Young Entrepreneurship Award 2019** (Top Eight)
 - Winner of the **Siemens Stiftung** empowering people Network Award 2019
 - **UBS Global Visionary 2019**
 - Winner **Energy Globe Awards 2019**
 - Winner of **Free Electrons Accelerator Program 2018** as world's best energy startup
 - Winner of the **Microsoft 2018 Airband Grant Fund**
 - Winner of the **2018 GIZ-Endev Innovation Competition**
 - **World Economic Forum Tech Cohort '2018** of the most game-changing start-ups in the world
 - Winner of the **BASIS National ICT Awards 2018** in Bangladesh
 - Winner of the **2018 MIT Inclusive Challenge Asia**
 - Winner of the **2018 IKU Award** by the German Industry Association (BDI) & the German Ministry of Environment (BMUB)
 - Winner of the **2017 UNDESA Powering the Future We Want Grant**
 - Winner of the **2017 Renewable Transformation Challenge by Elsevier Energy & the International Solar Energy Society**
 - Winner of the **2017 Start-Up Energy Transition Challenge by DENA** (German Energy Agency)
 - Winner of the **2016 UNFCCC Momentum for Change Award at COP22**
 - Winner of the **2016 Intersolar Award** "Outstanding Solar Project"

SUPPORT NETWORK

Thank you to our committed investors and partners for supporting our work!





**THANK YOU & join us in co-shaping the
future of energy fueled by the 5 D's:
Decentralization, Decarbonization,
Disruption, Democratization &
Digitization**

**What has a small start-up from Bangladesh to do with the
future of energy?**

Find out more here:

[Zayed Sustainability Prize | Winner 2022](#)

[The Earthshot Prize Finalist | Fix Our Climate 2021](#)

[2040 - The Regeneration - movie excerpt - Berlinale - Berlin Film Festival 2019](#)

[SOLshare | 2020 Ashden Award Winner](#)

[GALILEO SPEZIAL: 2057 - WIR SIND 10 MILLIARDEN by Pro7 \(German - 2021\)](#)

[Power Swarm: A revolutionary approach to solar microgrids | earthrise by Al Jazeera 2021](#)

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