



Opportunity

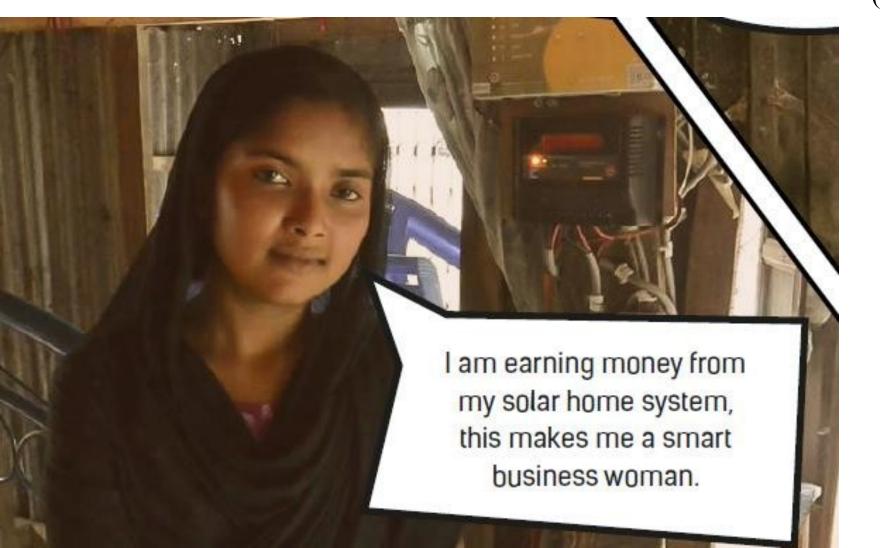
USD 3 million

In excess energy in Bangladesh that cannot be stored by individual solar systems

daily



"Ami ekjon adhunik bebshai."



Social Return on Investment (SROI) as measured by IIX:

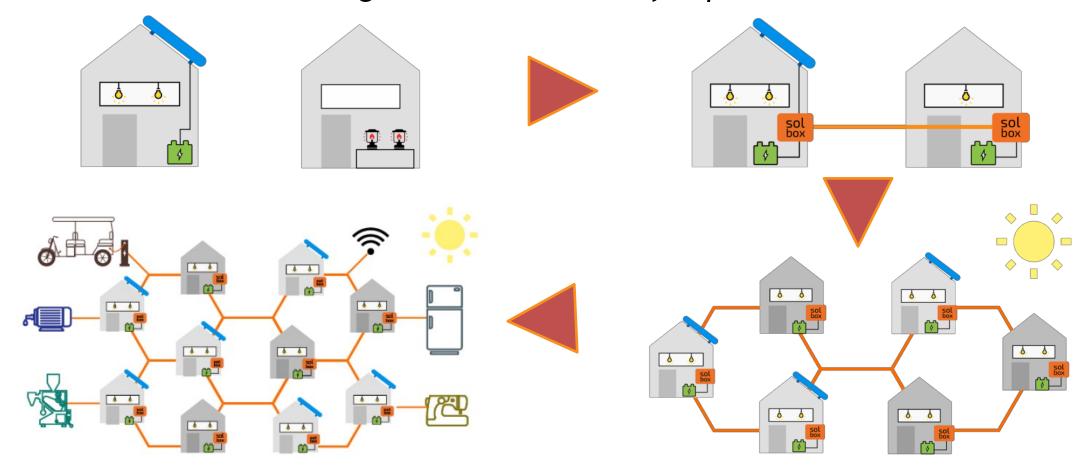
"For every dollar invested into a SOLgrid, USD 4.85 is generated!"





P2P solar grids - bottom-up

Interconnecting solar home systems into a microgrid that can grow with the needs of its prosumers.



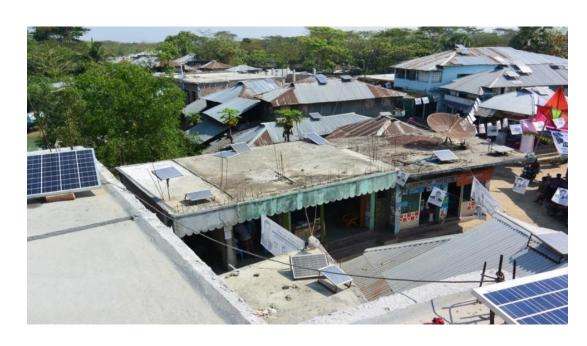




Solar P2Pgrids in Bangladesh

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The future of utilities globally





We believe the solar smart peer to peer (P2P) grids we are building in Bangladesh will be the future for utilities globally.



SOLshare: Inter-connecting World!

"Innovation doesn't just belong to Silicon Valley — it comes from everywhere." SOLshare is committed to a new energy world fueled by the 5 D's:

Decentralization, Decarbonization, Digitization, Democratization & Disruption.







Back-UP Slides



ABOUT US



Sustainable and affordable energy access for low income rural people is possible right now.

Our decentralized peer-to-peer microgrids deliver solar power to households and businesses, while enabling them to trade their (excess) electricity for a profit and make money from the sun.

#Vision2021 #ProsperBangadesh #DigitalBangladesh #Entrepreneurship #SDG7









Peer to peer microgrids delivering solar power to households & businesses and enabling them to trade their (excess) electricity for profit https://me-solshare.com/

PROBLEM

- Rural households in need of an affordable and flexible electricity & internet service supply
- Households with decentralised solar home systems (SHS) are often unable to meet rising demand and are also underutilising their SHS, resulting in 30% lost generation capacity., resulting in 600,000kWh excess renewable power production daily on average, with a value of approx. 5 USD/ kWh

Funding (Raised USD 1.66M)



Founders

Sebastian Groh, Hannes Kirchhoff, Daniel Ciganovic

Location

Dhaka, Bangladesh

SOLUTION

- SOLshare works on interconnecting existing decentralised solar energy generation and storage assets, linking producers, consumers and prosumers in smart-grids enabling energy P2P transactions
- Designed and commercialised the world's first and only low-cost DC bi-directional power meter and solar charge controller that functions as an individual node of a D C electricity trading platform, enabling users to buy and sell electricity at a micro-scale in an off-grid setting.

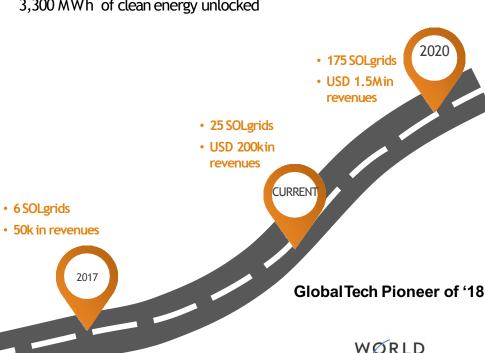
Business (Scale up) Scale up

> World's first solar P2P grid installed (SOLgrid)

2015

IMPACT

- Social return on investment: USD 4.85 external assessment by IIX
- 108,000 people impacted, with 47,000 women
- 2,200metric tons of CO2 avoided
- 3,300 MWh of clean energy unlocked



ECONOMIC

FORUM

Year established

2015



Our Support Partners













































PRODUCT

Peer-to-Peer Solar Microgrids







net metering device



mobile money enabled



plug & play



SERVICES

Data Services



- Data-Management Services
- Mobile-Payment PAYG Back-End
- Grid Management Services
- Machine Learning Data Analytics
- Agent & System Tracking
- Customer Support Infrastructure

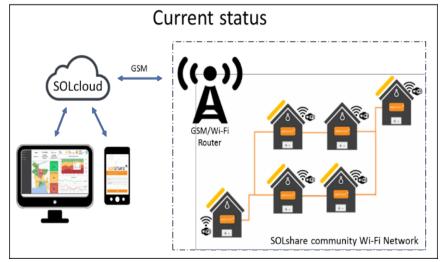


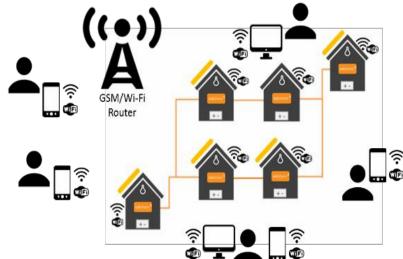


Data Safety. Secure Transaction Services and Communication Protocols



From Energy Access to Internet Access









CUSTOMERS

Bangladesh ...



hosts 70% of all solar home systems installed globally



SOLshare's customers accumulated control close to 70% of the market, 3M+ solar home systems

India ...



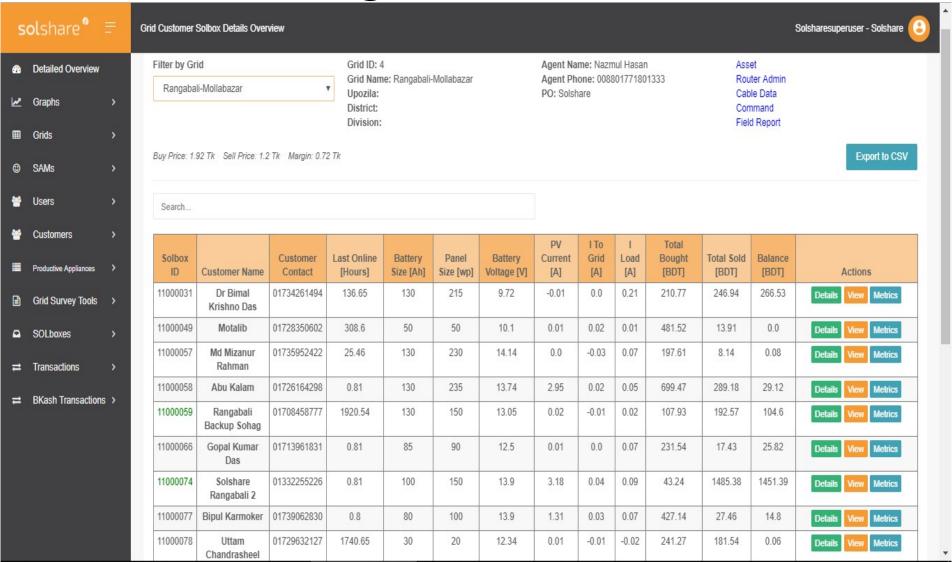
SOLshare' has recently started its operations in Assam, which will be our first export from Bangladesh



Our B2B partner has installed 20,000 solar home systems in Assam to date ready for interconnection



SOLgrid overview





Outreach & Delivery

The B2B approach:

SOLshare has 27 grids operating in rural areas

SOLshare's key business partners manage

- √ >4 million solar home systems
- √ 6,000 field staff



Upcoming SOLgrids
PAYG devices (20<)
PAYG devices (>20)



COMPETITIVE ADVANTAGES



1st to marketworld's first successful installation



comparatively low development cost - full R&D out of Dhaka



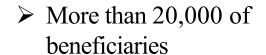
robust technology - 1st grid running since Sep 2015



SOCIAL IMPACT









➤ More than 20 appliances being used including:



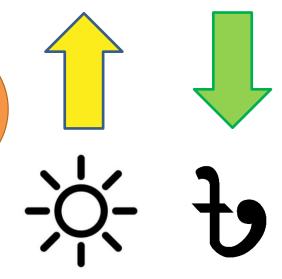
Lights, fans, mobile charging, rikshaw charging, electric trimmer, sewing machine, TV, Laptop charging, Sound box, rice huller, Nebulizer, Hemoglobin meter, Portable Ultrasound, etc.



Producer

Dr. Bimol, Pharmacist

Ican sell all my excess
energy now and not
worry about collecting
money by hand. Also
from now on I can
even run a
nebulizer!



Making money from the SUN

- CAPEX of USD 35
- Break even within 24 months
- Simple Return on Investment of 500%+ after 5 years



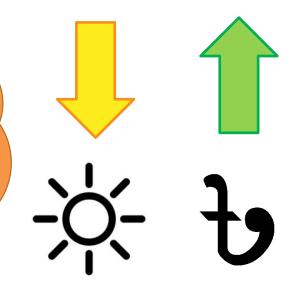
Consumer

Sanjay Shil

Idon't have to pay as much as I used to pay my neighbor before.

Also, I only pay for

energy when I need it!





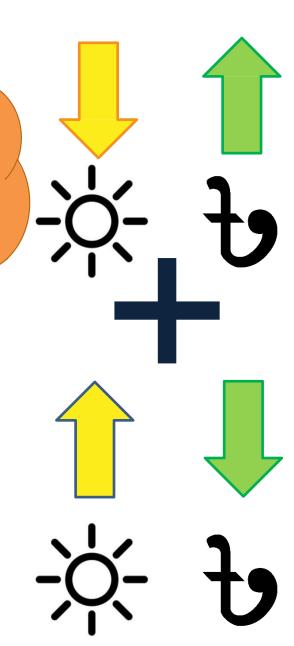
- 30% cheaper than buying a 20Wp SHS
- Pay as you go



Prosumer

Sumon

 45% cheaper than buying an additional 20Wp SHS More customers are attracted to my shop now as it looks so much brighter. I'm also making some extra income with the energy I sell





E-Mobility: Solar Rickshaw Charging Station





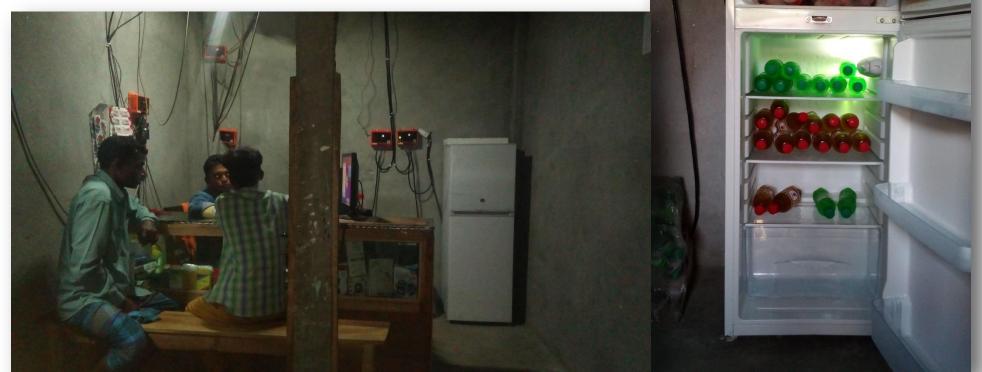




Solar ColdStorage









Community welfare











SOLshare wins Free Electrons' World's Best Energy Start-up Award 2018



SOLshare wins
UN Momentum
for Change
Award in the
ICT-category



SOLshare is announced as Tech Pioneer 2018 Cohort