

**solshare** 

Create a network. Share electricity.  
Brighten the future

inter  
**solar  
award**

2016  
**WINNER**



Momentum for Change  
Change for Good



# The Energiewende 3.0

## Smart Peer-to-Peer Solar Grids for Rural Electrification & Empowerment

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**Globally 1.1 billion people  
lack access to electricity**

**Yet another 1 billion have only  
extremely intermittent supply**





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# Bangladesh

**5 million  
Solar Home  
Systems  
& 60 million  
w/o any access**



**For those in the dark, no access to  
electricity means:**

Average rent-out price for light:

**US\$ 3.50/kWh**

Average rent-out price for mobile charging:

**US\$ 10.50/kWh**

# Opportunity

300,000 kWh

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

# SOLUTION

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



**Save Money** through better energy access

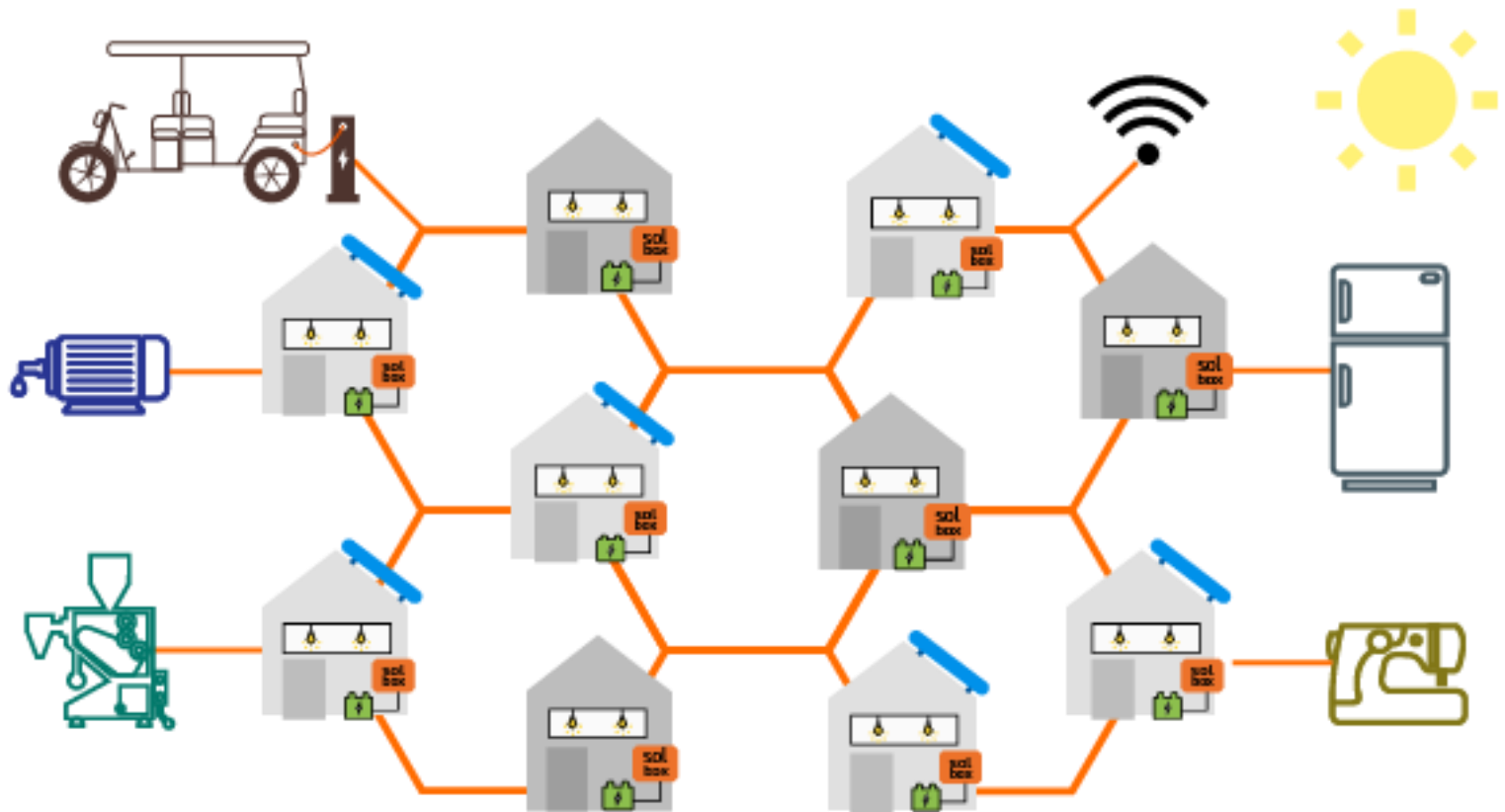


**Gain flexibility** and get more power whenever you want



**Generate Income** by trading electricity

# P2P solar grids built bottom-up



# PRODUCT

## Peer-to-Peer Solar Microgrids

**SOLbox**



net metering device



mobile money enabled

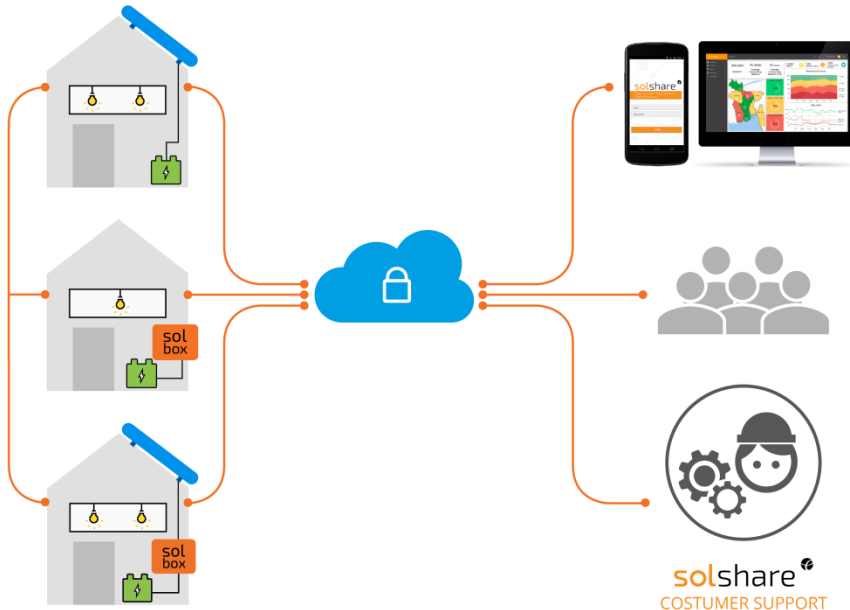


plug & play



# Products & Services

## Data Services



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



**Remote Monitoring.** Smart Grid Management and Data Analytics

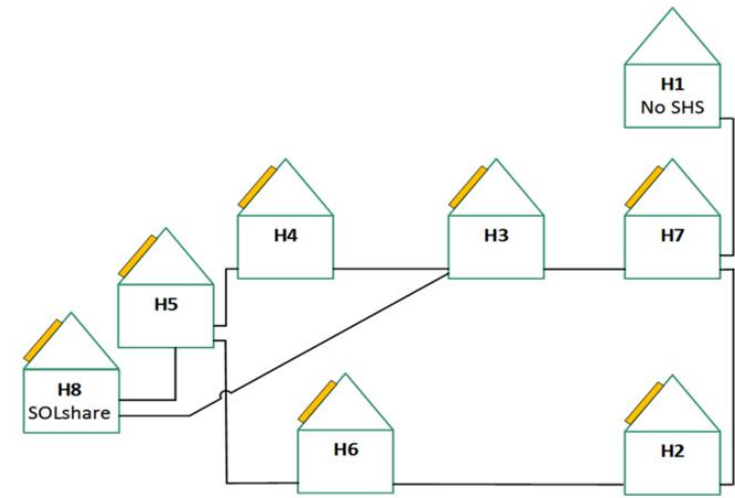


**Data Safety.** Secure Transaction Services and Communication Protocols

# Shariatpur Grid



Installed: September 2015  
Partner: UBOMUS









# The Energy Bank of the Future?

## Credit Top-Ups

- SHS owners top up their credit 2.1 times/month
- Non-SHS owners 4 times/month
- Users see their SOLBox as a saving account. Instead of cashing out they save the money there.



# SOCIAL IMPACT







# Mollar Bazar (Rangabali)



# SolBox ID: 11000058- Abu Kalam

*"The customers  
for my TV theater  
want to see more  
movies for  
longer. I need  
more energy to  
power my TV for  
longer"*



# Solbox ID: 11000057 – Md. Mizanur Rahman

*“I can run my computer even when there is a lot of demand by buying power from the SOLgrid when I need.”*



# Solbox ID: 110000081 - Shohag

*"I have a lot of energy, considering that I also sell solar equipment, I am thinking of setting a few more panels to sell more energy and make some money too!"*





# Solbox ID:11000080- Dr. Bimol Krishno Das



*"I can sell all my  
excess energy  
now and not  
worry about  
collecting money  
by hand."*

# Solbox ID: 110000090- Mohammad Shujal

*"I can not only  
run a light but  
also a fan  
without even  
buying a SHS."*



# THANK YOU

## Our Development and Strategic Partners



## Our Partner Organizations





An aerial night view of a village with many houses. A glowing orange line with square nodes connects various solar panels across the rooftops, illustrating a shared electricity network. The background is dark, and the houses have corrugated metal roofs. Some houses have satellite dishes and laundry hanging out.

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# THANK YOU !

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