



# The Past, The Present & The Future

*A trip down memory lane with RTC*







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Our company's mission:

**Create a network. Share  
electricity. Brighten the future**



# About SOLshare

- Founded in 2014 in Dhaka, Bangladesh
- Journey from energy access to energy tech 'entech company'
- Developed three business lines over the years
- 1st mover in latest entech developments in unregulated, high social impact markets

## Backed By



## Partners & Customers



## Awards





# Team SOLshare

SOLshare is an entech company consisting of a team of 60+ tech pioneers fully based out of Dhaka, Bangladesh. Grounded in PhD theses work, conceived at Stanford Ignite in 2013, SOLshare's globally recognized SOLbazaar has developed into an energy marketplace.

**solshare**



**AZIZA SULTANA MUKTI**

Principal – Head of Operations



**DANIEL CIGANOVIC**

Chief Financial Officer



**ESHRAT WARIS**

Principal – Head of Product & Business Development



**HANNES KIRCHHOFF**

Chief Technical Officer



**JAVED HASAN**

Principal – Data & Software



**SALMA ISLAM**

Head of Projects, Fundraising & Communications



**SEBASTIAN GROH**

Chief Executive Officer



**SYED ISHTIAQUE AHMED**

Principal - Engineering & Innovation



# Bangladesh

a land of opportunities as boundless as its rivers



- “One of frontier 5 economies” - JP Morgan.
- Biggest mobile money market in the world.
- World’s largest solar home system installation with 6M installed.
- Population of 165M. One of world’s highest!
- 1.75M electric three-wheelers
- Asian Tiger: **6.5% GDP growth** (2010-2019 average)



# Winning the Renewable Transformation Challenge 2017

## Renewable Transformation Challenge

Prize awarded to Dr. Sebastian Groh,  
ME SOLshare Ltd., for the project  
*The Energiewende 3.0 - Smart P2P Solar Grids*



ELSEVIER

- Work towards achieving clean energy goals in off-grid regions
- Significant role in supporting the UN SDGs
- Kickstart pilot project to support clean energy transportation

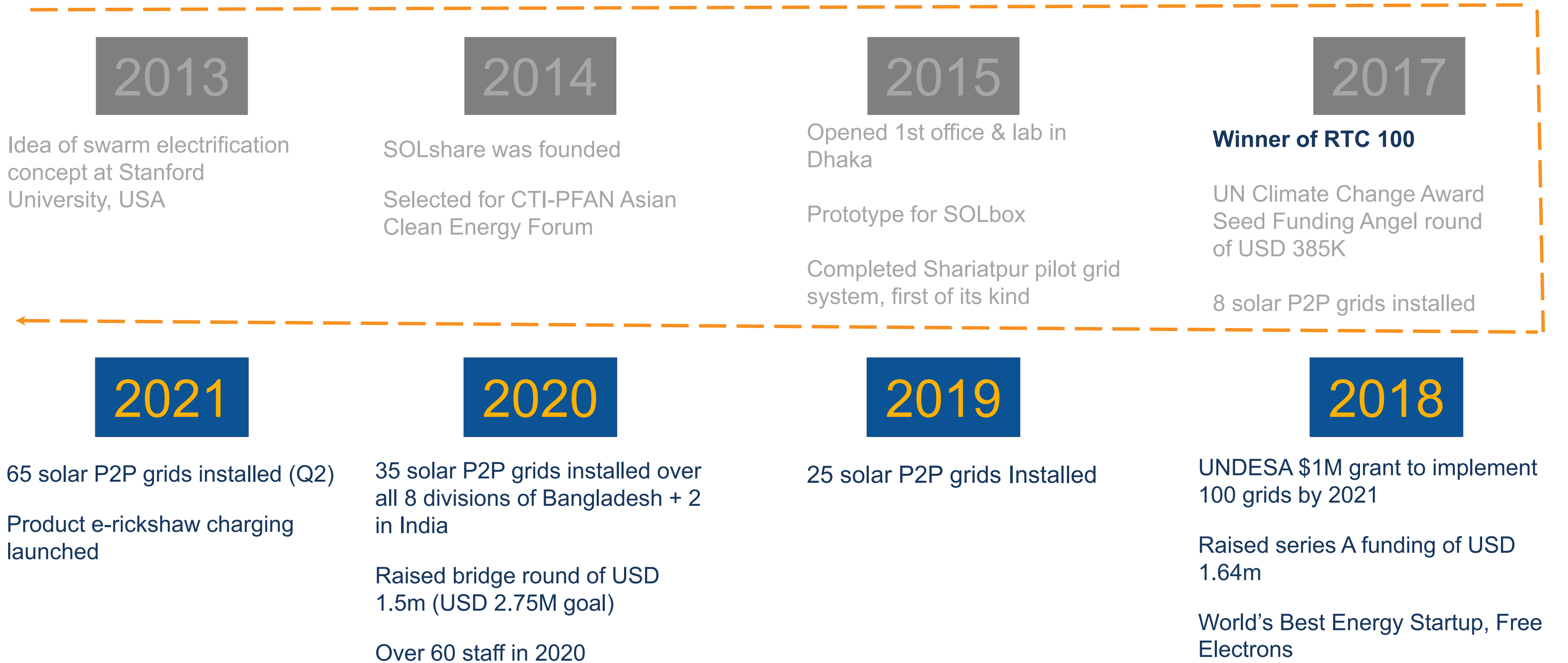


An aerial photograph of a village with a network diagram overlaid. The diagram consists of white lines connecting various points across the rooftops, representing a solar power distribution network. The background is a warm, orange-tinted aerial view of the village, showing numerous buildings with corrugated metal roofs and some solar panels already installed. The text "What has solshare<sup>®</sup> been up to since?" is written in white, bold, sans-serif font across the center of the image.

What has solshare<sup>®</sup> been up to since?



# Company Timeline





# The Problem

## Clean Energy

- **60M** people have unreliable access to electricity
- Losing **600,000 kWh** of **excess energy** per day based on 6M solar home systems
- No smart integration with the national grid which is **97% fossil fuel powered**

## Micro-mobility

- **Hazardous**, uncoordinated charging infrastructure for **1.75M E3W**
- **Outdated, expensive lead acid battery** – 9 month lifetime, 355% interest on battery loans
- charging **ONLY** available after dark; **inefficient, expensive and slow**

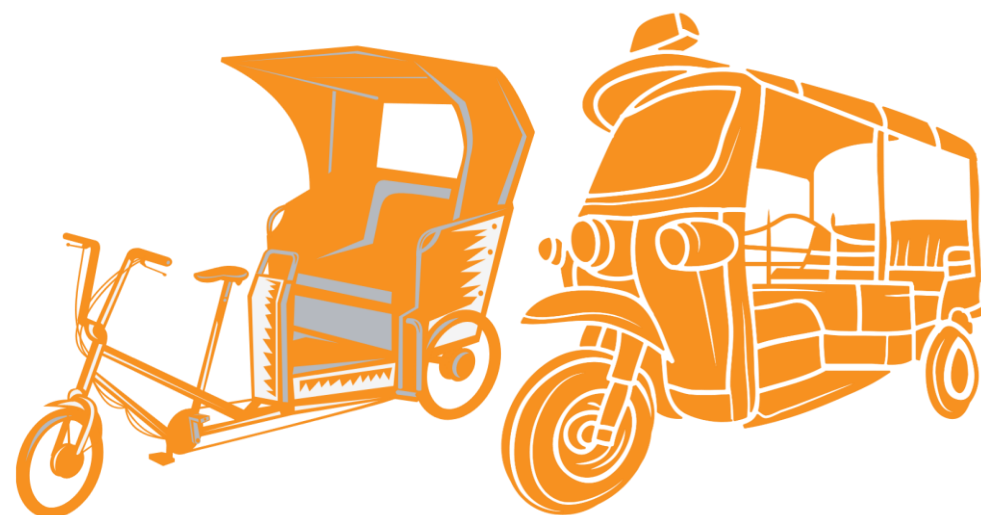
## Financial Inclusion

- Middle class have no access to credit card – **22%** of total population
- Electronic provider **no option for EMI financing** due to default risk and lack of enforcement



# The SOLbazaar<sup>™</sup>

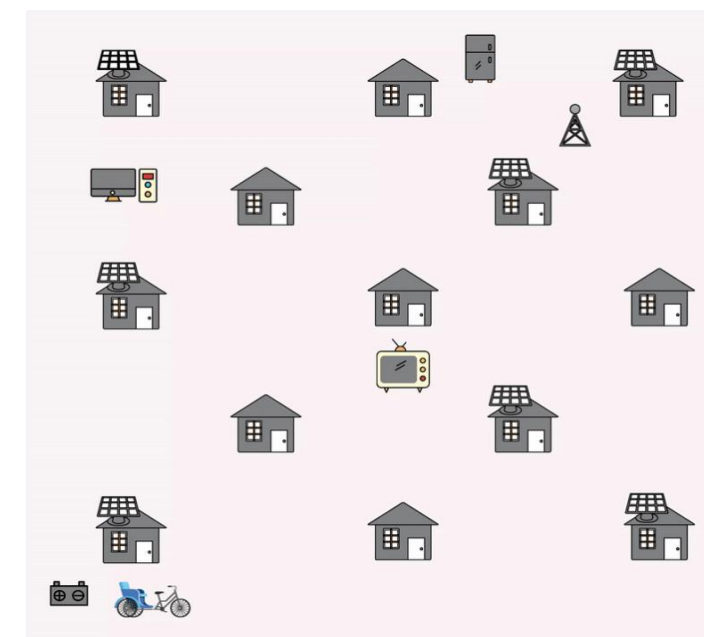
the marketplace for future-proof  
energy infrastructures



## 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 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



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

Find out more here:

2040 - The Regeneration - movie excerpt - Berlinale - Berlin Film Festival 2019;  
<https://www.youtube.com/watch?v=j6oB1UjwY5w>

SOLshare | 2020 Ashden Award Winner;


<https://www.youtube.com/watch?v=Zky9AdS1Hio>

GALILEO SPEZIAL: 2057 - WIR SIND 10 MILLIARDEN by Pro7 (German - 2021);  
<https://www.prosieben.de/tv/galileo/videos/202126-sonntag-galileo-spezial-2057-wir-sind-10-milliarden-ganze-folge>

Power Swarm: A revolutionary approach to solar microgrids | earthrise by Al Jazeera 2021:

<https://www.youtube.com/watch?v=v33ERI42VYM>

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Thank you & join us co-shaping the future of energy fueled by the 5 D's:  
Decentralization, Decarbonization, Disruption, Democratization & Digitization