



solshare<sup>®</sup>

Create a network. Share electricity.  
Brighten the future

# SOLshare Bottom Up Micro-Grids

The Micro-Scale Energy Transition

# Bangladesh

4 million +  
Solar Home Systems

2,500 systems/day

© Photo MEI



# The Regulatory Framework of the IDCOL SHS Programme

## Favourable Environment:

- **Financial Environment**  
Re-financing mechanism
- **Technological Environment**  
Quality standards and local industry

# Market Limitations

- Costs of an SHS are still too high for many end users
- 4M+ Existing SHS customers who want more energy
- Limited productivity of current energy equipment







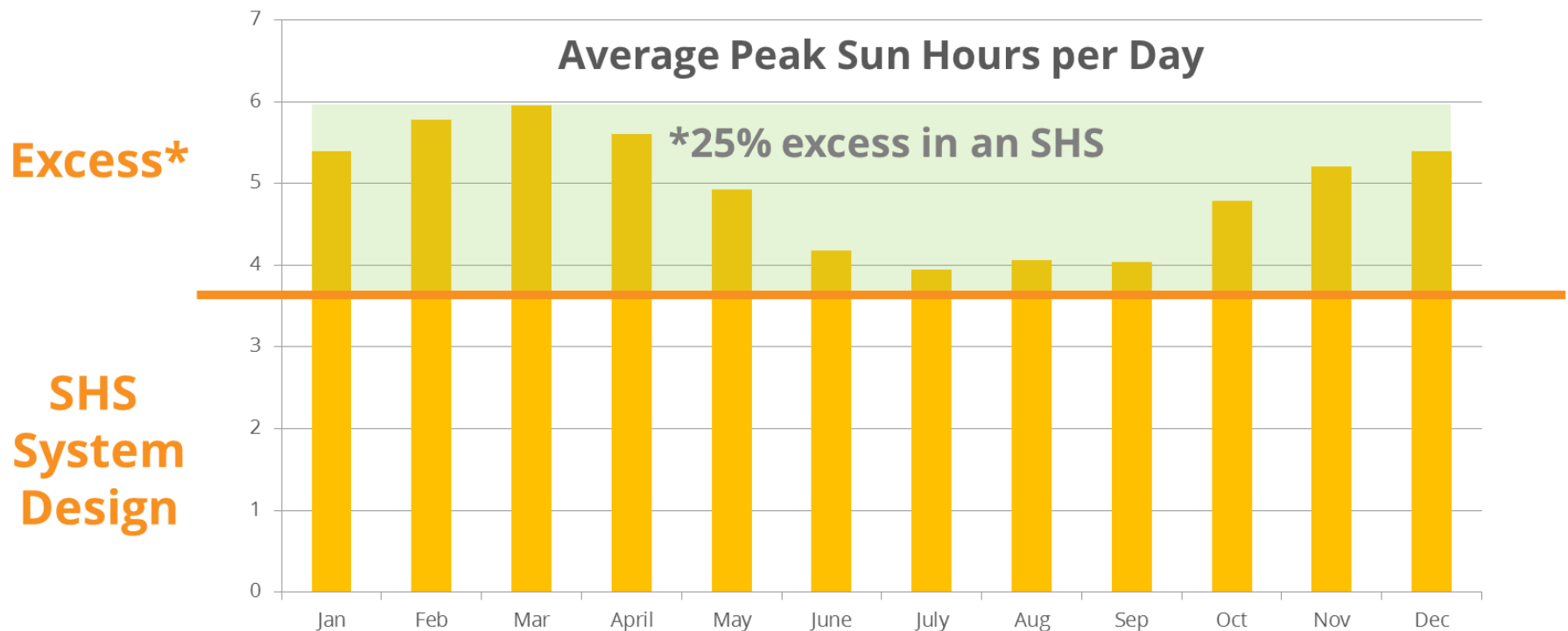
**Make use of existing capacities!**

# Market Opportunity: Upgrading SHSs so they can create a micro-grid

- 4m installed SHS
- Costs of an SHS are still too high for many end users
- 4M+ Existing SHS customers who want more energy
- Limited productivity of current energy equipment
- High mini-grid CAPEX undermines sustainability

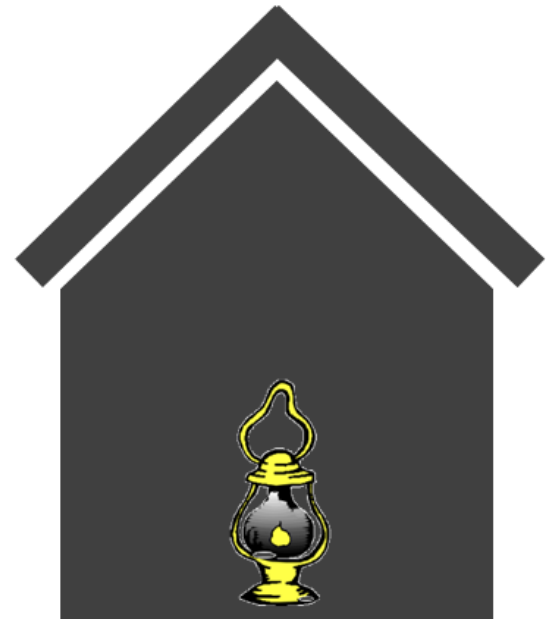
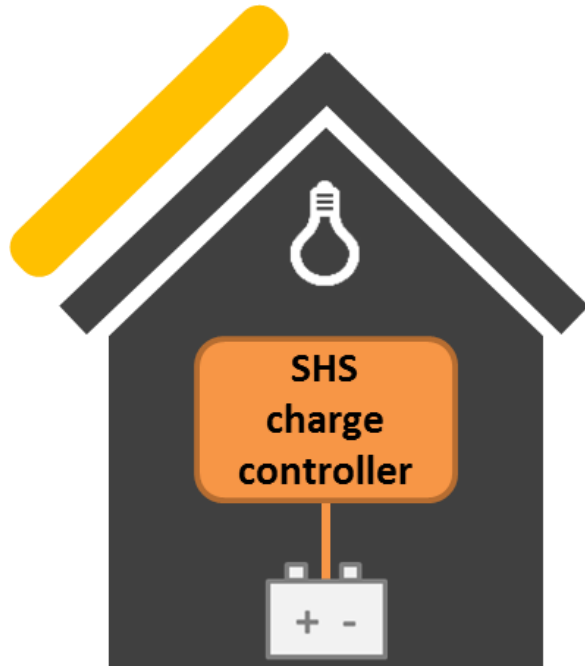


# Technical Opportunity



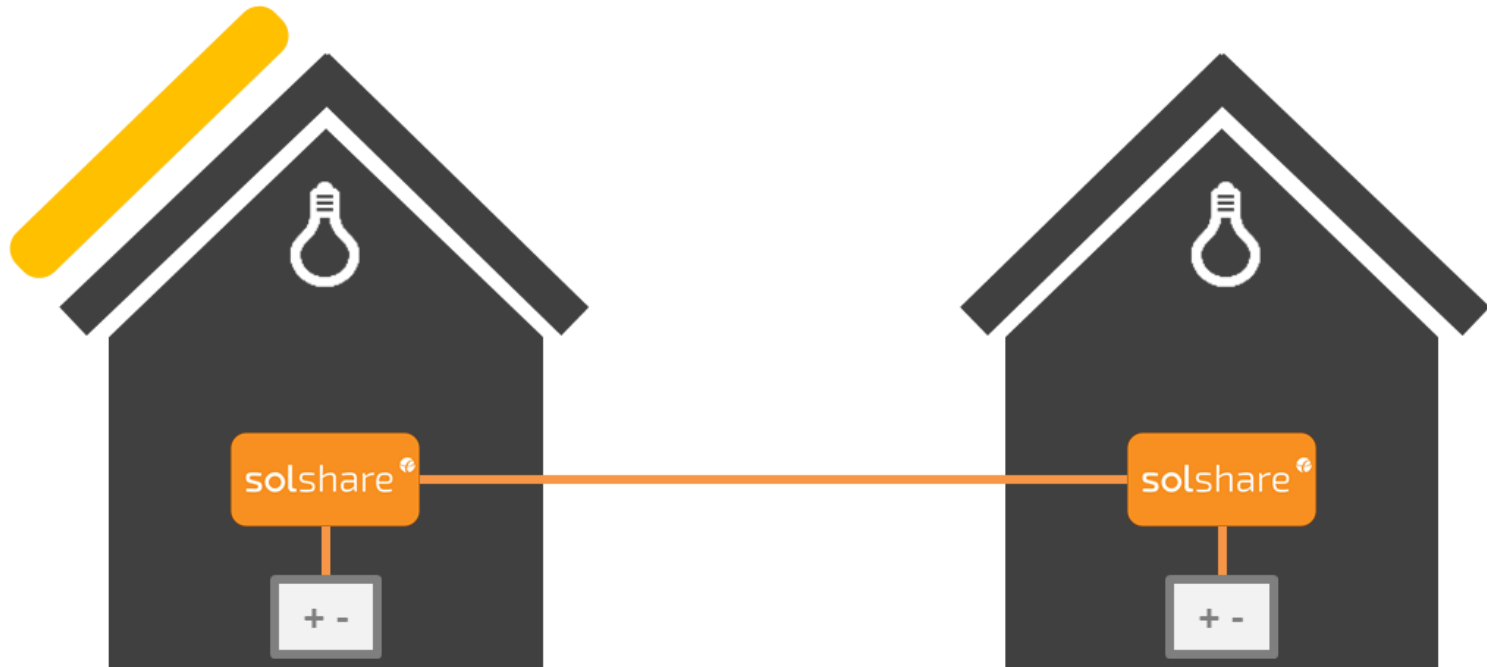
# The Solution – Bottom-Up Micro-grids

Leveraging **existing** hardware, and matching this with demand



# The Solution – Bottom-Up Micro-grids

SOLshare enables the creation of a DC Micro-grid **sharing excess energy**.



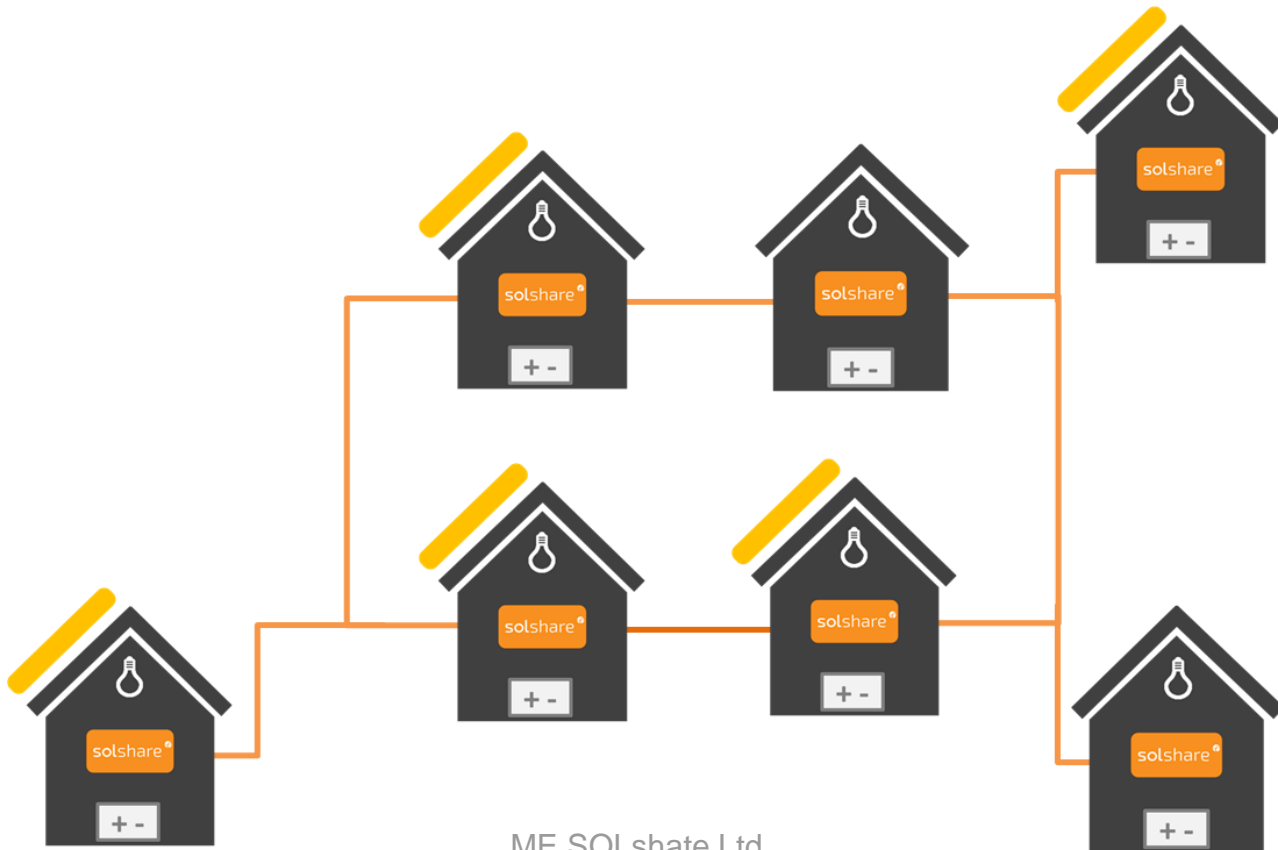
# The Solution – Bottom-Up Micro-grids

The grid has **the ability to grow...**



# The Solution – Bottom-Up Micro-grids

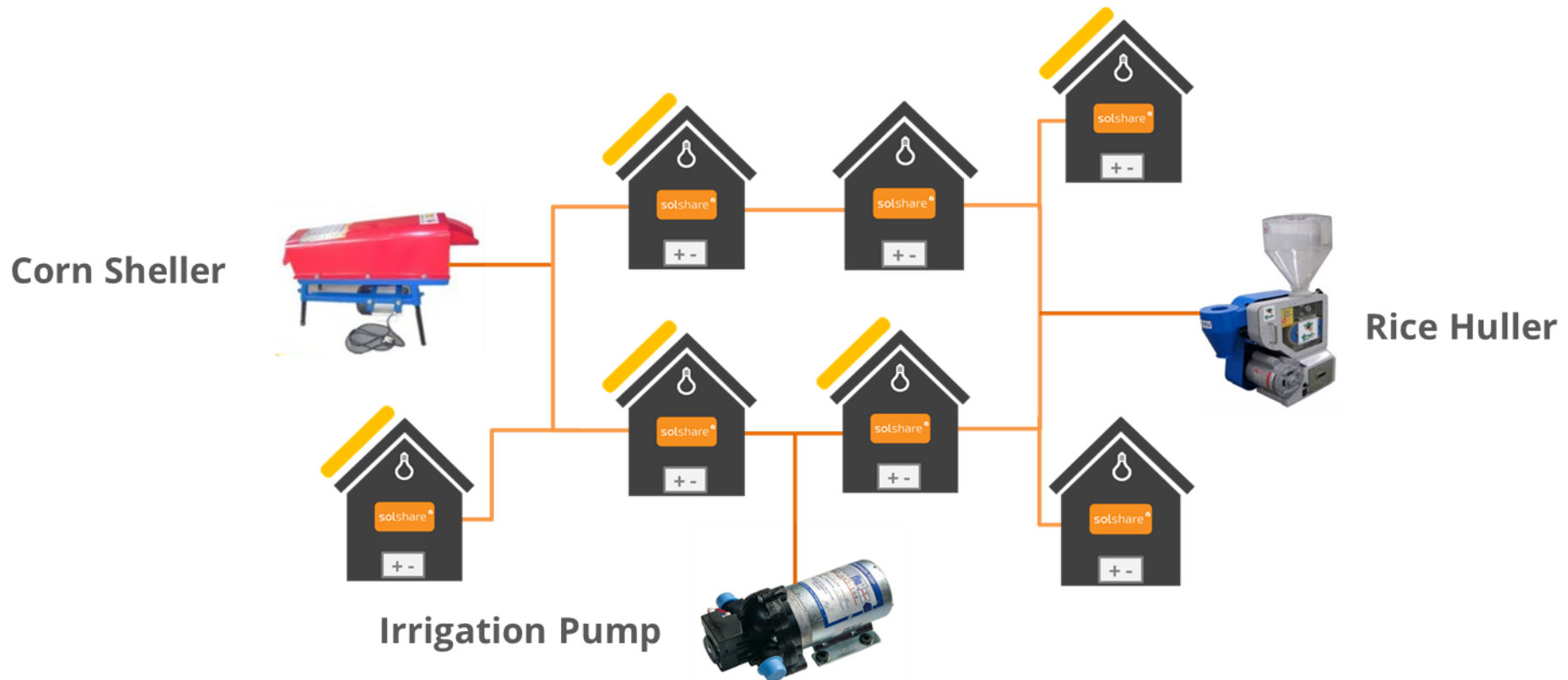
...by **integrating** more households...





# The Solution – Bottom-Up Micro-grids

...and Productive Energy Use appliances.



# Products & Services: SOLbox



- Novel Bi-Directional 12V DC Meter
- Compliant with all existing SHS hardware
- Enables local electricity buying & selling
- Individual connection to a DC Nanogrid
- Plug-and-Play approach

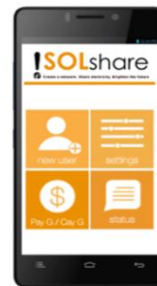
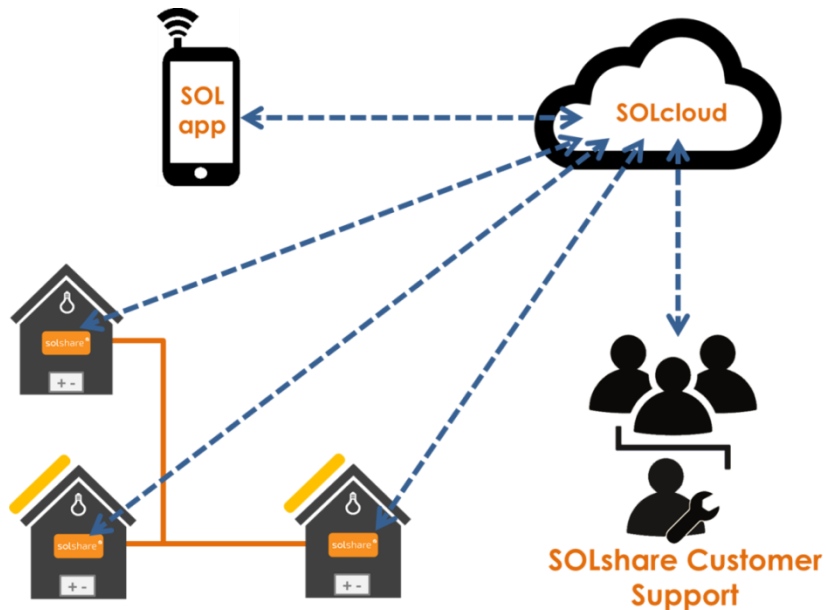


**Enhanced Monitoring.** Seamless tracking of payments and field staff.



**High Usability.** User-friendly design and flexible payment options.

# Products & Services: SOLcloud & SOLapp



- Data-Management Services
- Mobile-Payment PAYG Back-End
- Grid Management Services
- Machine Learning Data Analytics
- Local Agent Administrative App
- Customer Support Infrastructure



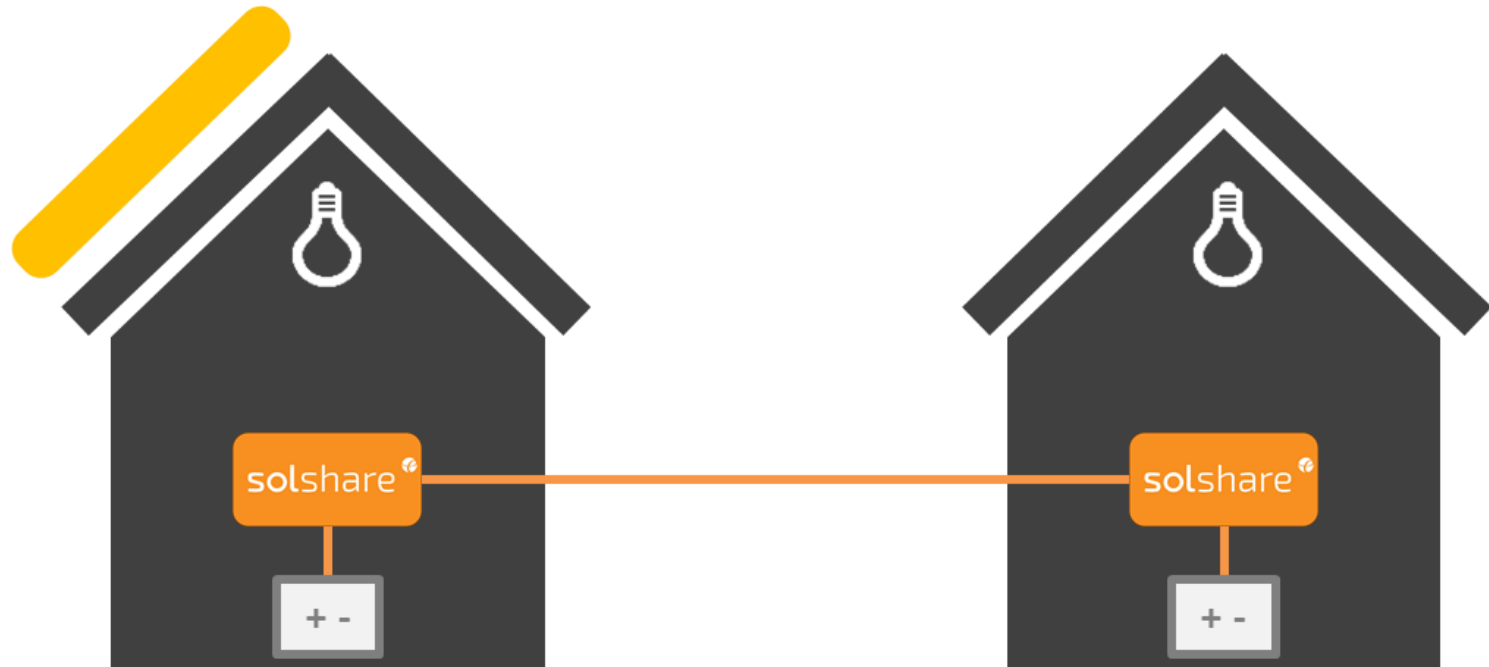
**Remote Monitoring.** Smart Grid Management and Data Analytics



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

# The Solution – Bottom-Up Micro-grids

SOLshare enables the creation of a DC micro-grid, **sharing excess energy**.



# The Solution – Bottom-Up Micro-grids

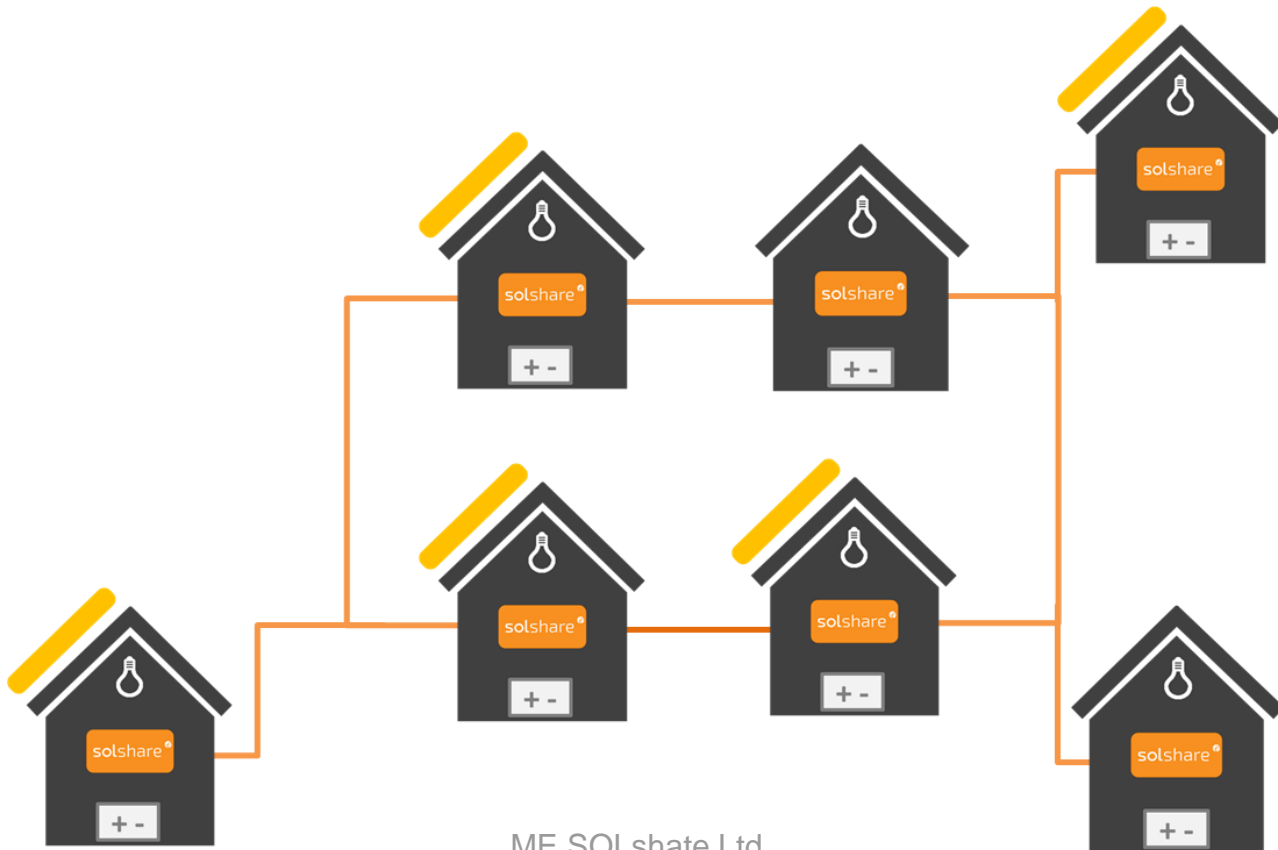
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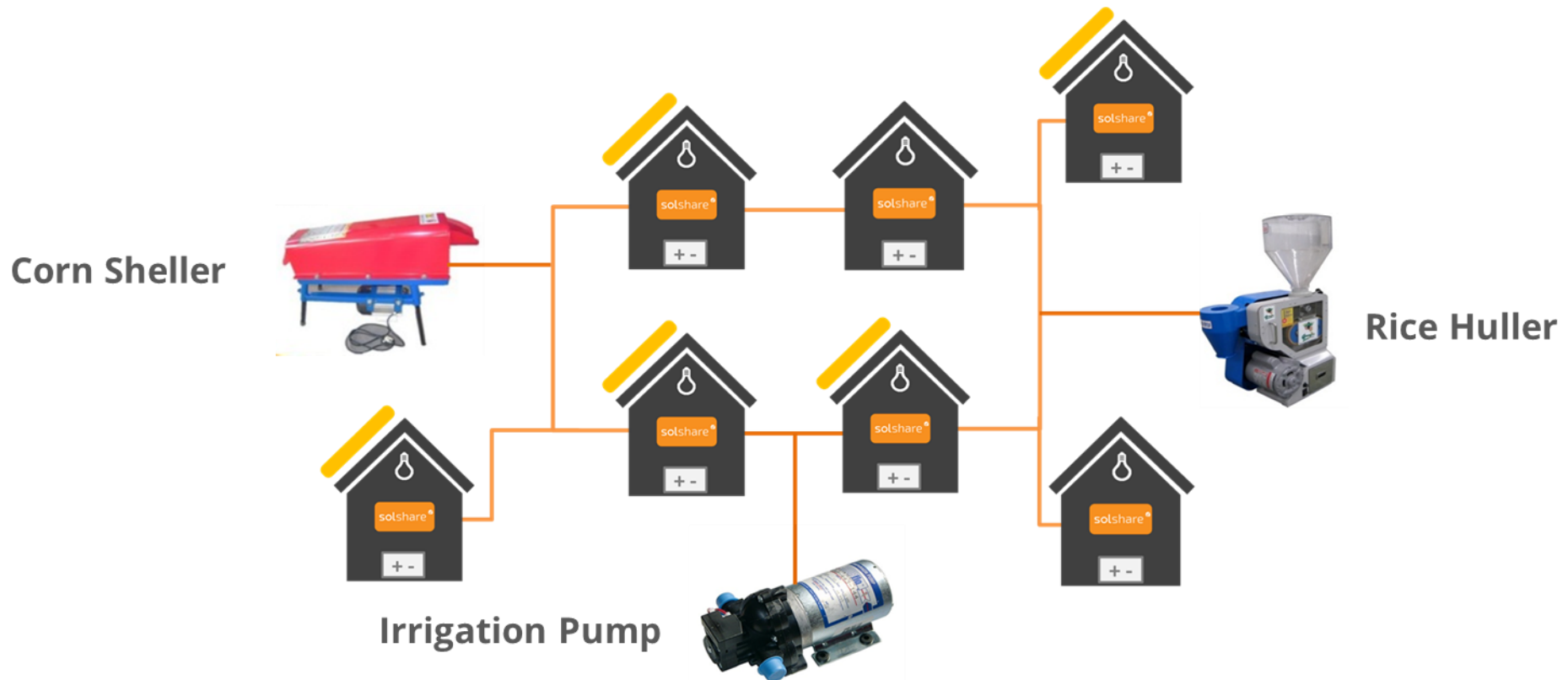
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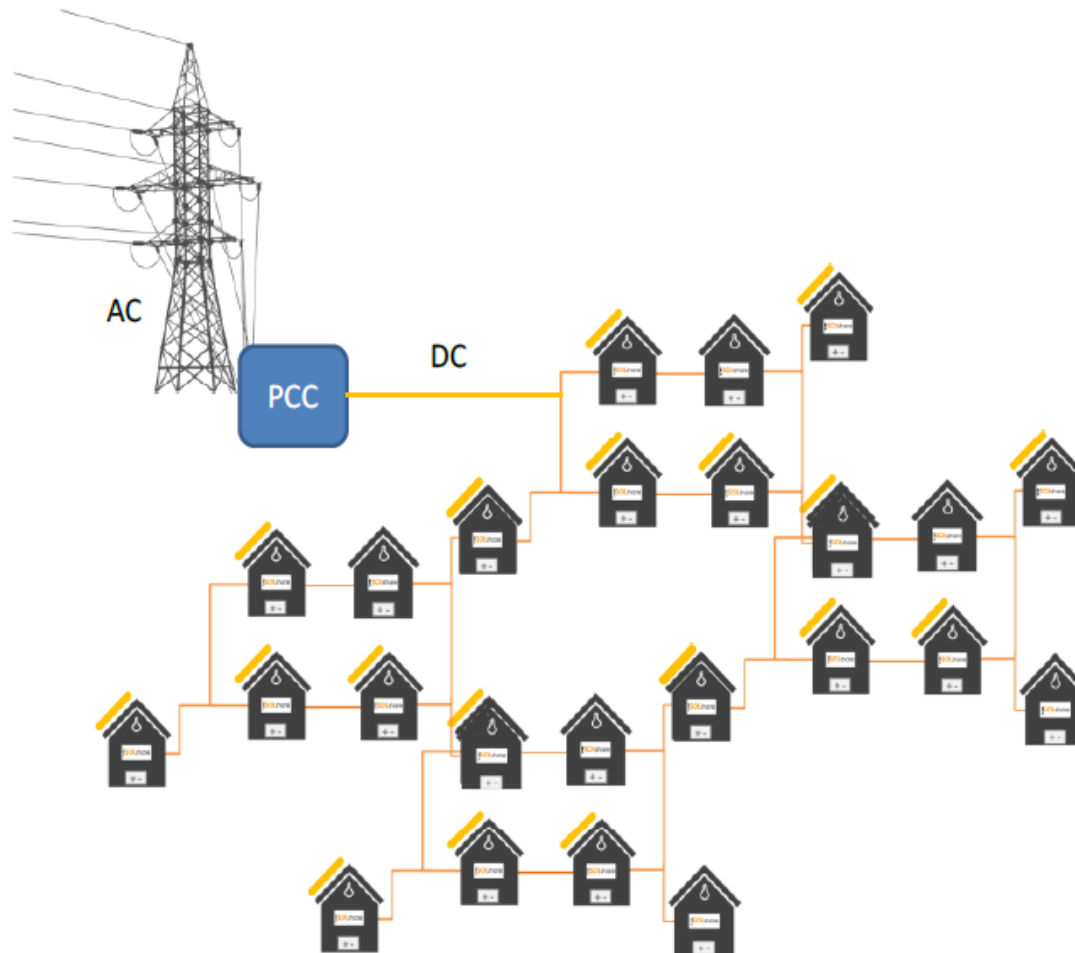


# The Solution – Bottom-Up Micro-grids

...and Productive Energy Use appliances.



# Bottom-Up Micro-grids – The Future?





# Our Partners





# solshare

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