

Champions – A Question of Perspective



Germany

Total Installed PV Capacity – 38,200 MW

China

Total Added PV Capacity – 10,560 MW

Bangladesh

No. of Households Equipped with PV Systems – 3,5 Mio.



Sustainable & Inclusive Energy Solutions

Noara Kebir Managing Director

14th September 2015, New York



Agenda





What we do

How we do it

Key challenges

Who We Are



Team of 35 Members

Consulting for end-user Energy Solutions Communication and Management Interdisciplinary Competences

105 Support Consultants

Engineering

Software

Business administration

ITC

Financial Instruments

Energy Economics

Statistics

Marketing

Microfinance

50 Partner Institutions

Academic Institutions

Financial Institutions

Development Institutions

What We Do



MicroEnergy International

Academy

Trainings,
Workshops,
Education &
Scientific Programs

Innovative Banking Development Finance

SME and MFI Financing, Impact Investment, Green Finance Schemes

Technology Energy Competence Center

Product Design, Evaluation & Optimization,

Tool Development

Consulting

Policy & Business Consulting, Project Management

Scientific Research

Research, Design & Partnership Development

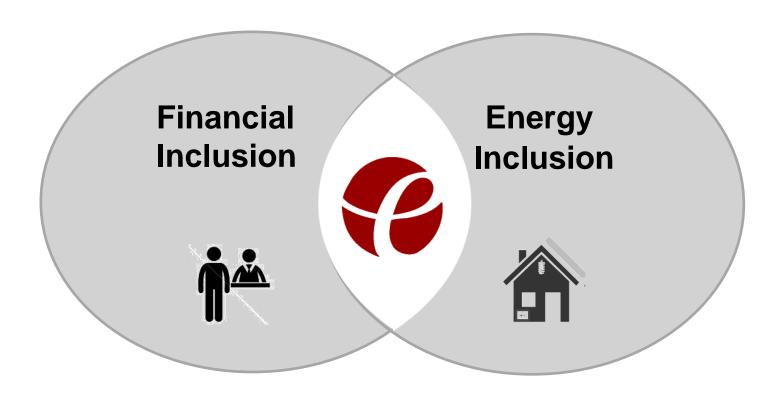
Green Finance & Energy Access Solutions

MEI Activities





Linking Financial and Energy Inclusion



Initiatives such as SEWA, PACT, EcoFuel ...

What We Do



Financial Inclusion

Green Finance

- Institutional assessment
- Green loan design
- **Business and operational models**



Incubation



Financial Solutions



Scientific Research

Energy Inclusion

Smart Engineering

- **Energy needs assessment**
- Technology R&D, validation
- Supply chain analysis



Technical Assistance Solutions



Smart



Academy

Linking Financial and Energy Inclusion

MFI



ENERGY COMPANY

Microfinancing



Raising



Downpayment Collection

Installation





Technology Customer **Training** Installation

After Sales





Service guarantee, maintenance and service upgrade / recycling

Energy Inclusion Initiative





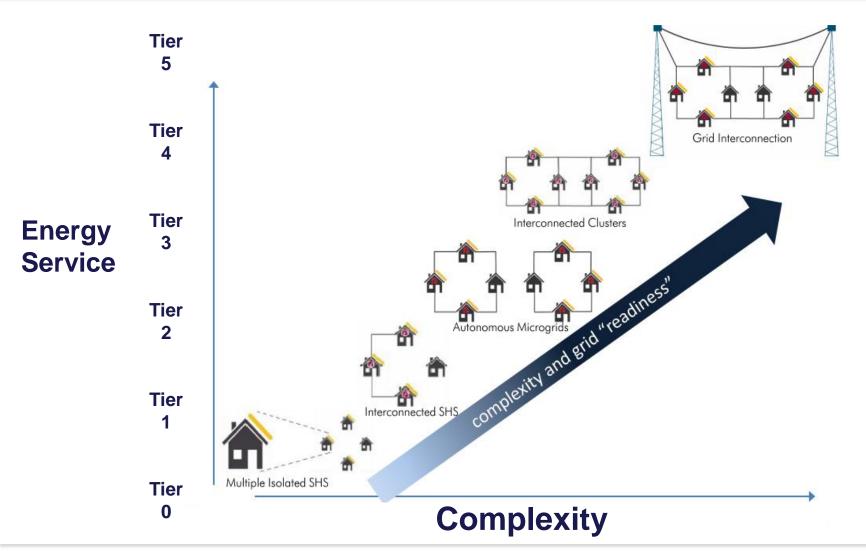
Green Strategy





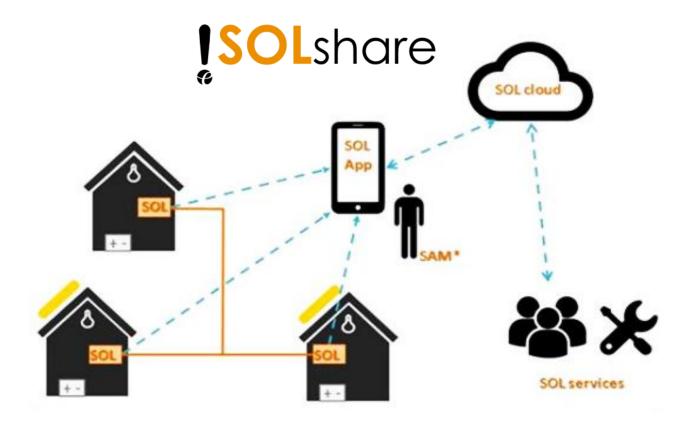
Engineering Smart & Inclusive Energy Concepts





Incubation





Dynamic bottom-up DC micro-grids

Incubation





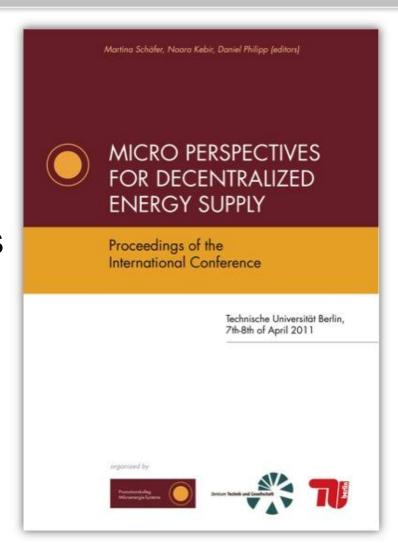


Off-grid DC appliances distributor

Scientific Research

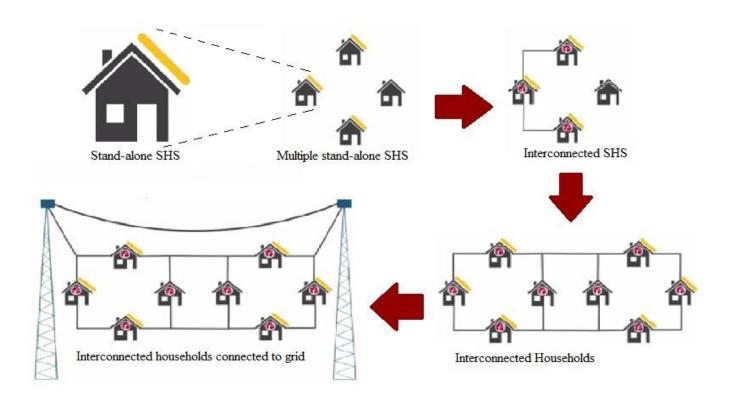


- 16 PhDs
- 4 international conferences
- 80 Students Graduations



Smart Solutions





Swarm Electrification Make Yourself Connectable to the Future!

Academy



- Training and qualifying of energy and finance professionals
- Regular university courses
- Workshops
- Vocational trainings



Key Challenges



Technical

- Quality assurance of products and services
- Presence and outreach of local validated suppliers

Manageria

Financia

Key Challenges



Technica

Managerial

- Intrinsic motivation of key stakeholders
- Development of smart insentives along the supply chain

Financia

Key Challenges



Technical

Manageria

Financial

Financing of local SMEs along the supply chain



Let's Swarm Together!

Thank you for your attention!

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Back Up Slides

Internet link swarm video

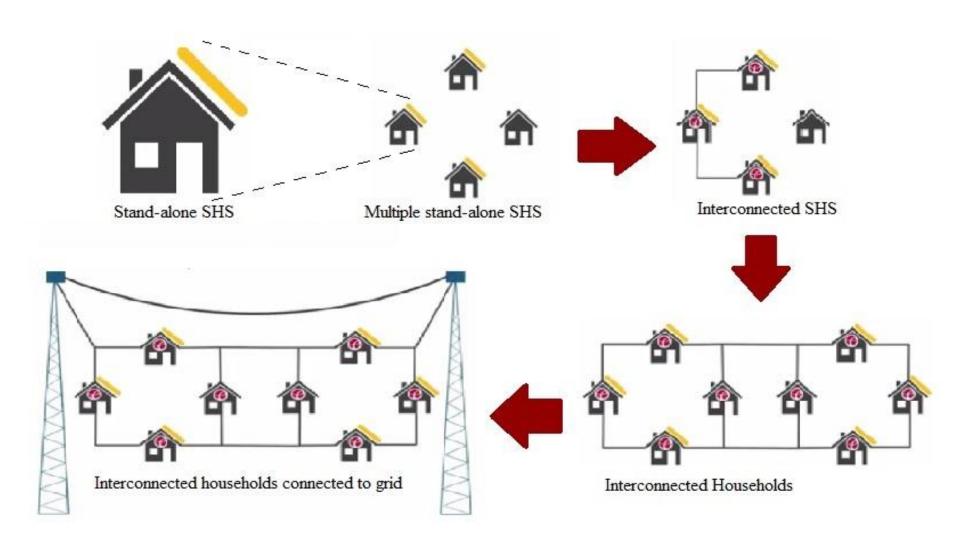
https://www.youtube.com/watch?v=C-9CINpzr34

Local link swarm video

Daniel TEDex

https://www.youtube.com/watch?v=rn57rdrLl K4

Swarm Grid

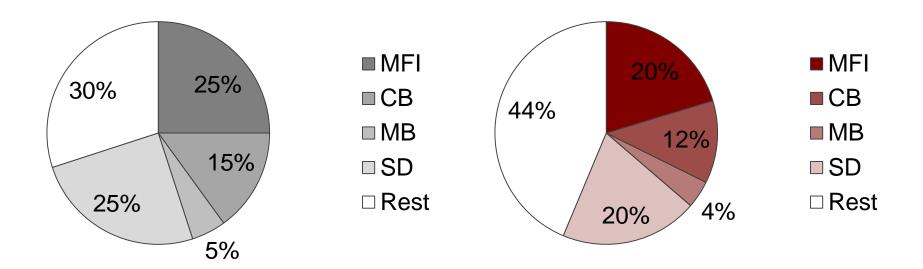


Sustainable Energy Access for All

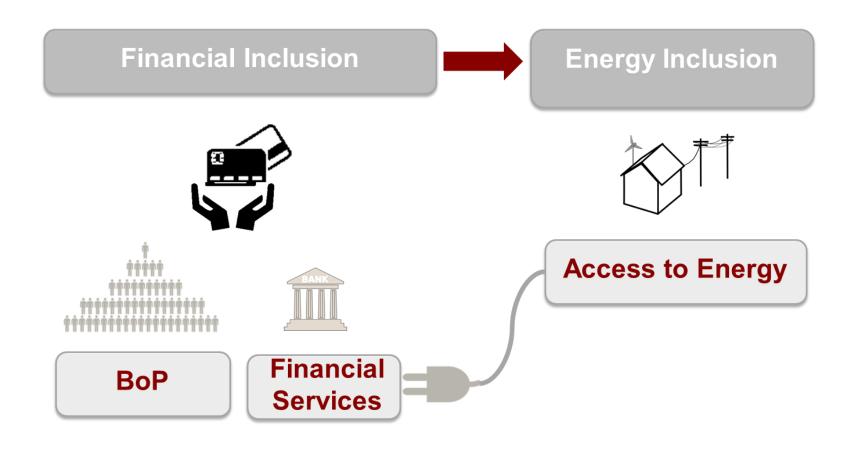


70% of SE4ALL Goal (1.3B)

56% of MEI Goal (1.6B)

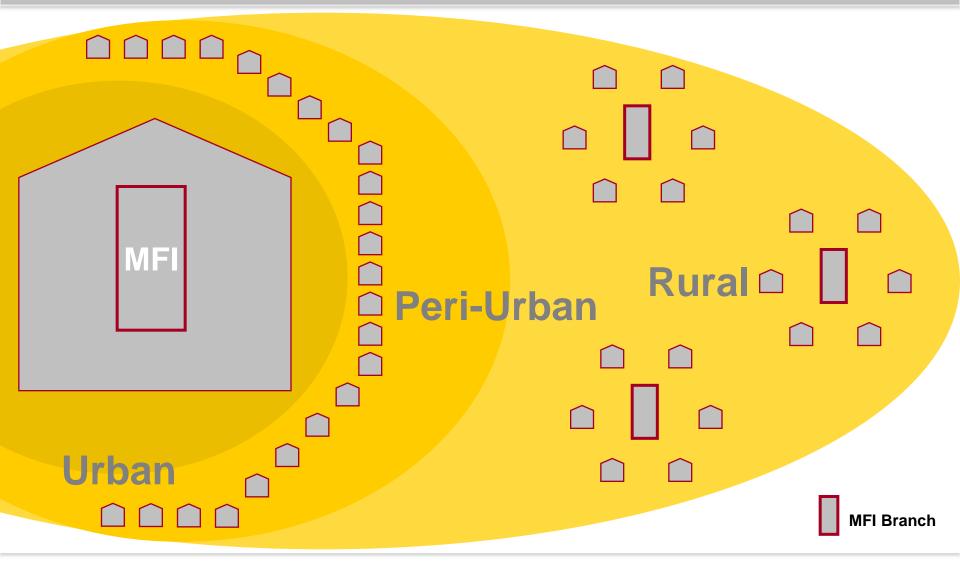


Linking Financial and Energy Inclusion



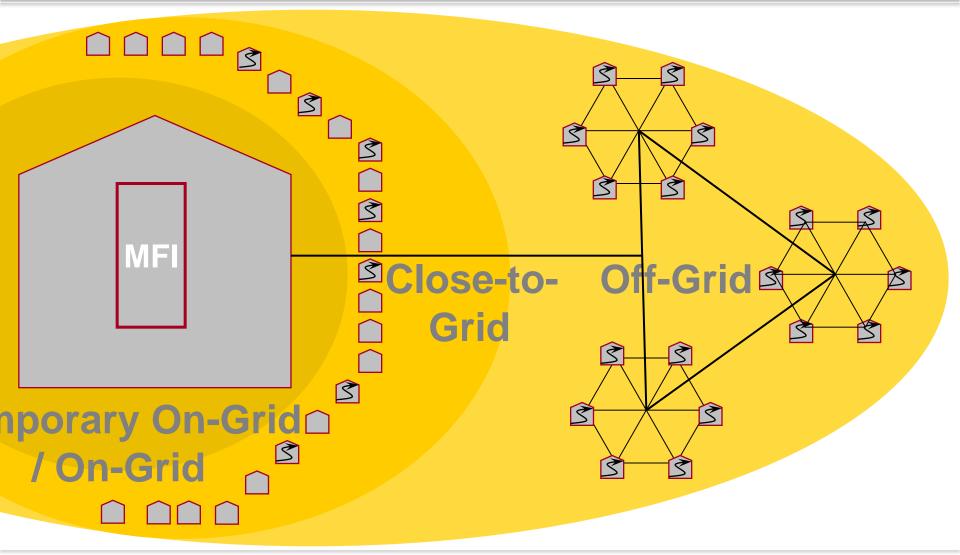
Swarming Microfinance





Swarming Microfinance



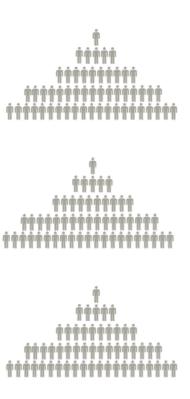


Technical Assistance









Financial Solutions





Technology Selection



Supplier Selection



Green Credit Product