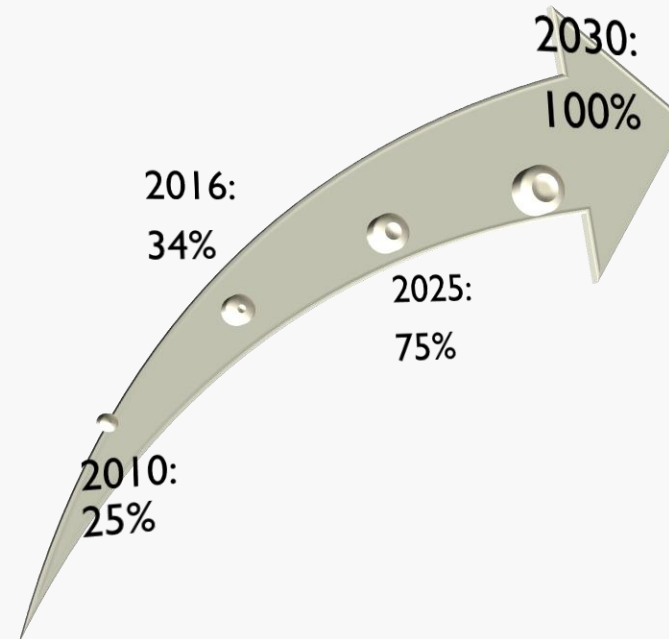
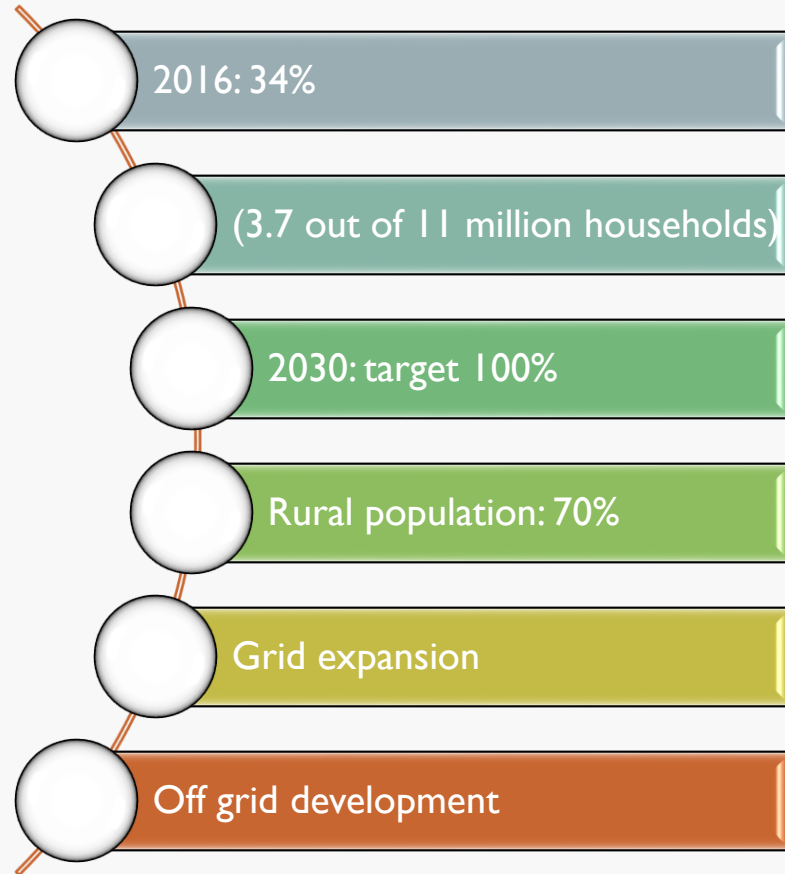


ASSISTING MYANMAR TO ACHIEVE UNIVERSAL ELECTRIFICATION

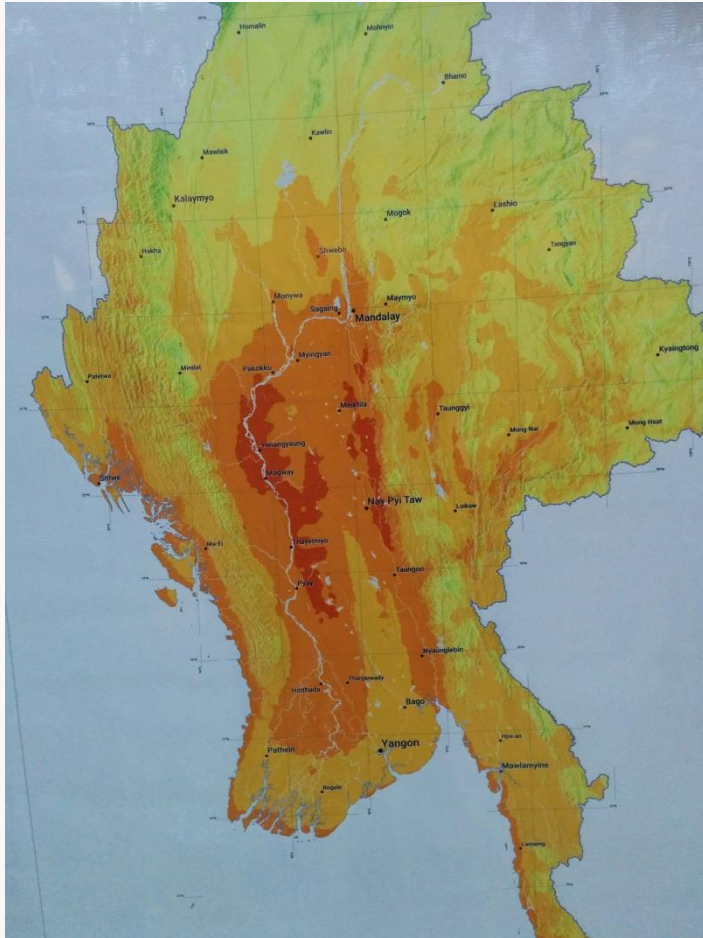
THE SOLAR MINI-GRID SOLUTION

DR. BUI DUY THANH
Senior Energy Economist
Southeast Asia Department
Asian Development Bank

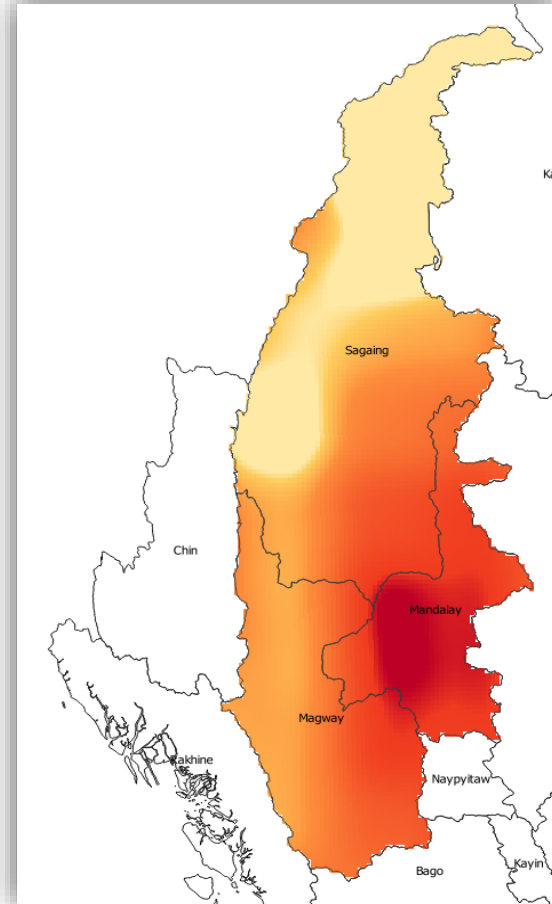
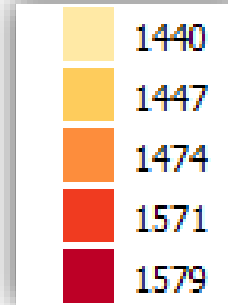
MYANMAR ELECTRICITY ACCESS



MYANMAR SOLAR ENERGY POTENTIAL



Radiation in Wh/m²



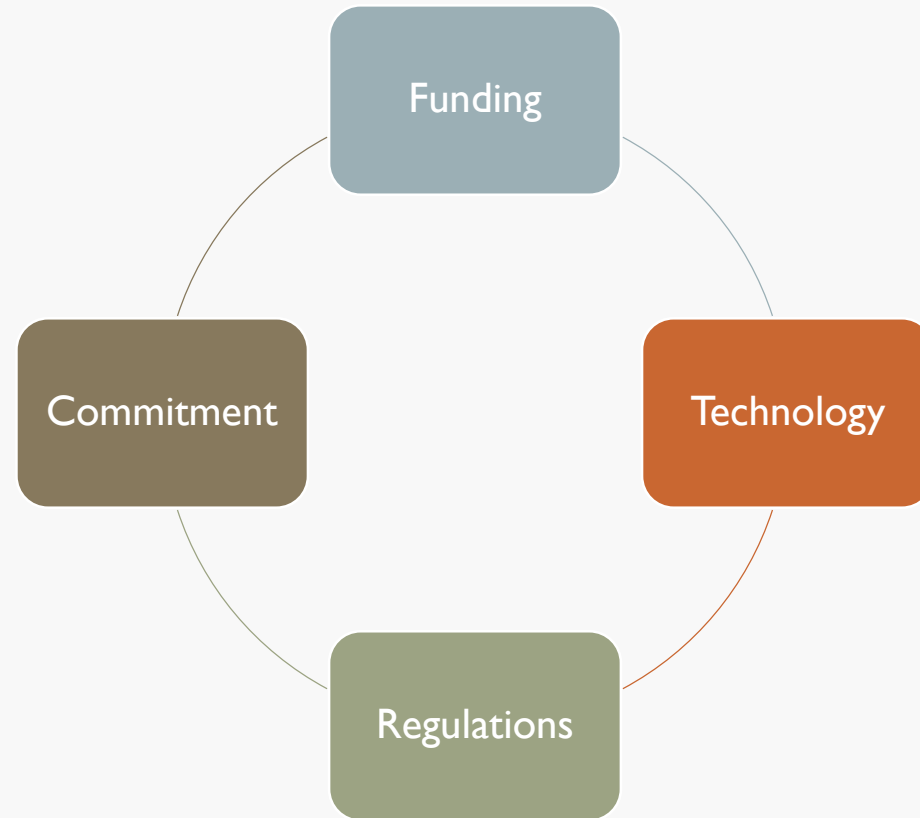
BRIDGING THE GAP

How to bridge
this gap?

Urgent ramp-up electrification of rural population (70%).
Est 450,000 household/year to be electrified

Solar energy is available (est. 52,000 TWh/year)

SEARCHING FOR A SOLUTION



SEARCHING FOR A SOLUTION



A technical assistance (**ADB Energy4All**) piloted the Solar-PV mini-grids in Magway, Sagaing regions



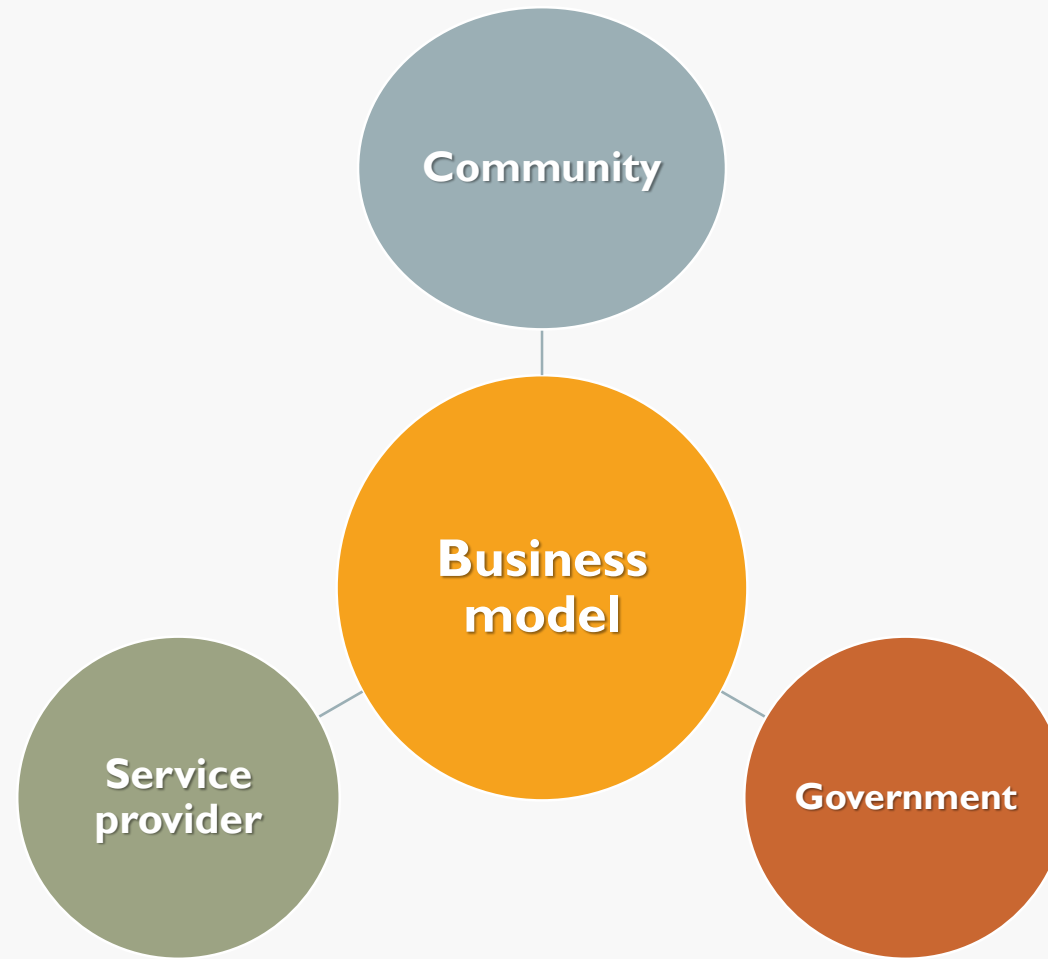
SEARCHING FOR A SOLUTION



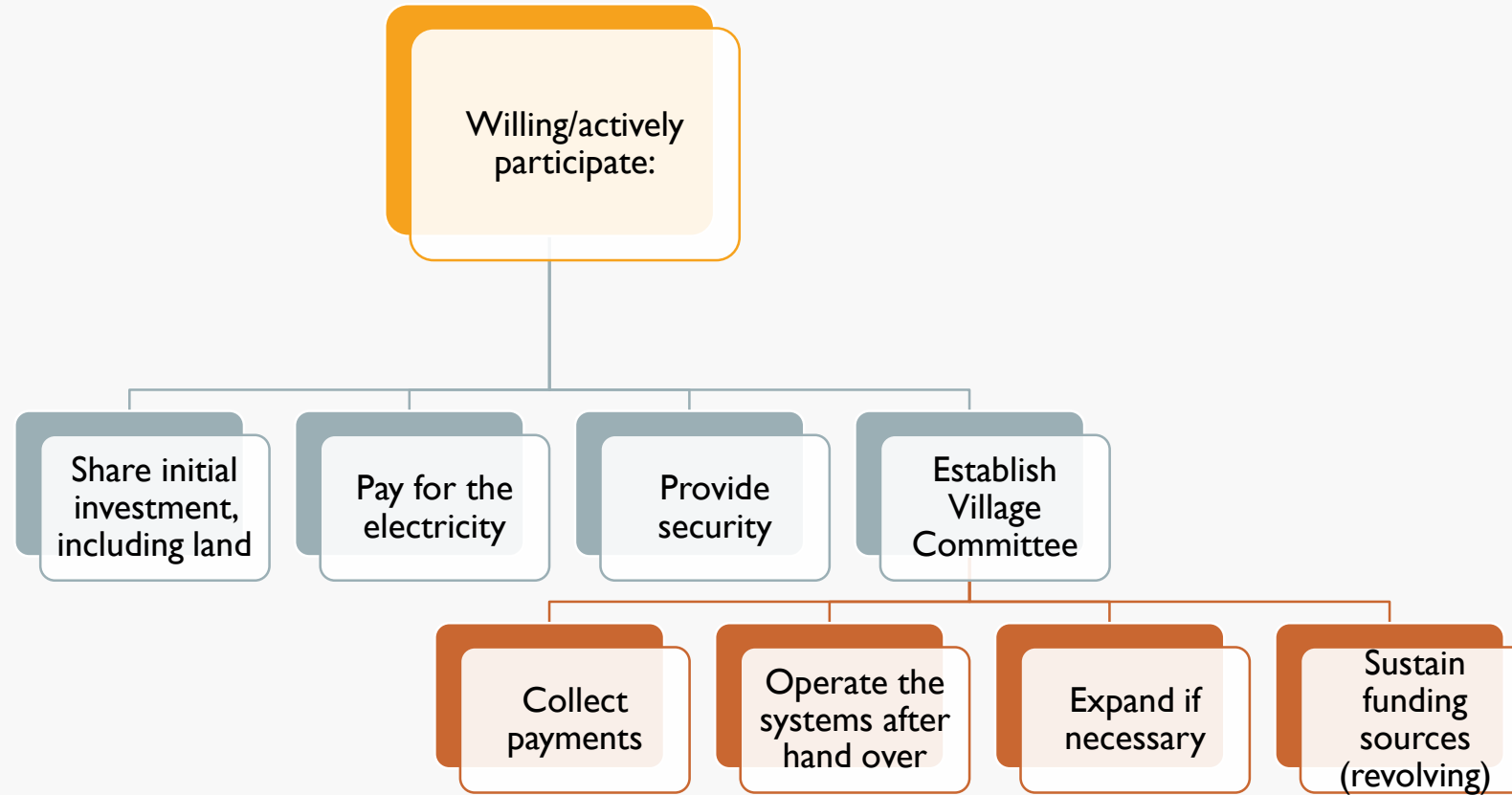
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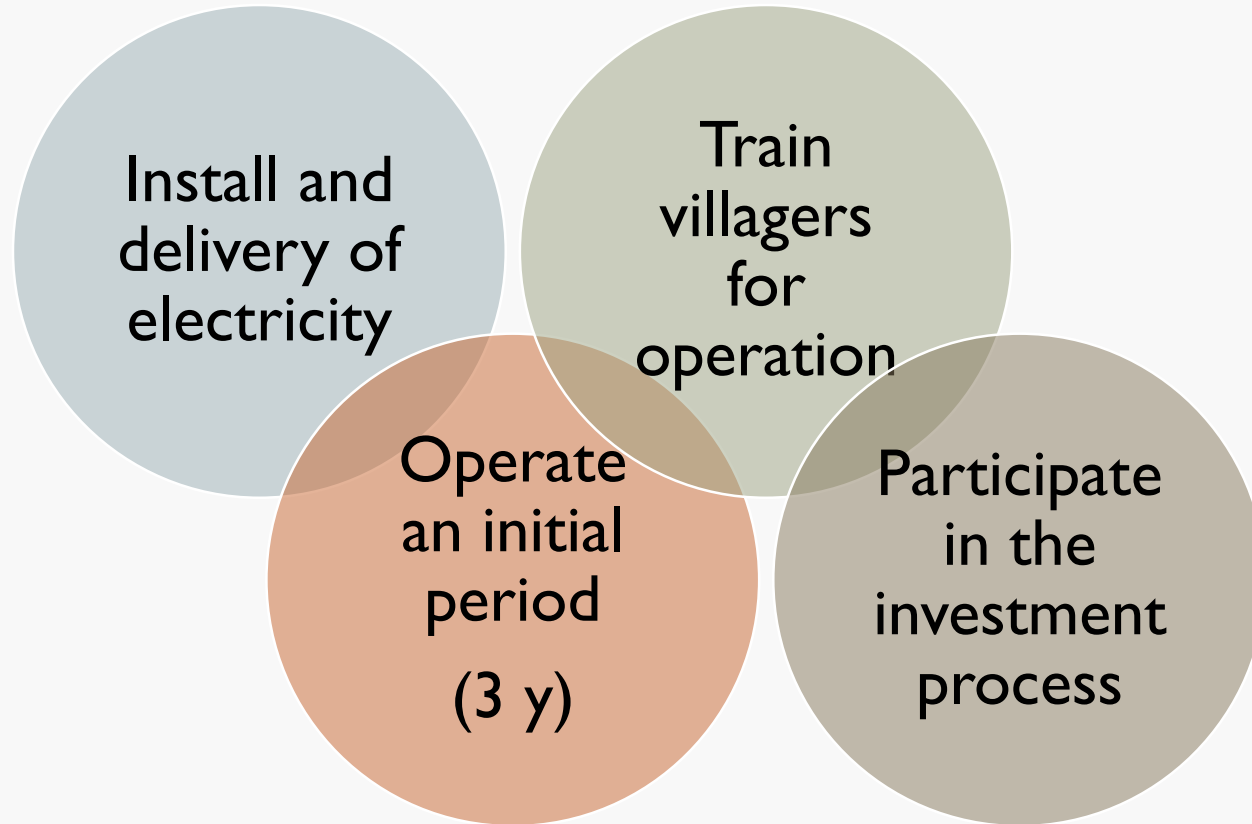
A MODEL THAT WORKS



COMMUNITY



SERVICE PROVIDER



GOVERNMENT

Set clear regulations:

- off-grid electricity investment plan
- regulatory framework for off-grid RE electricity for rural electrification

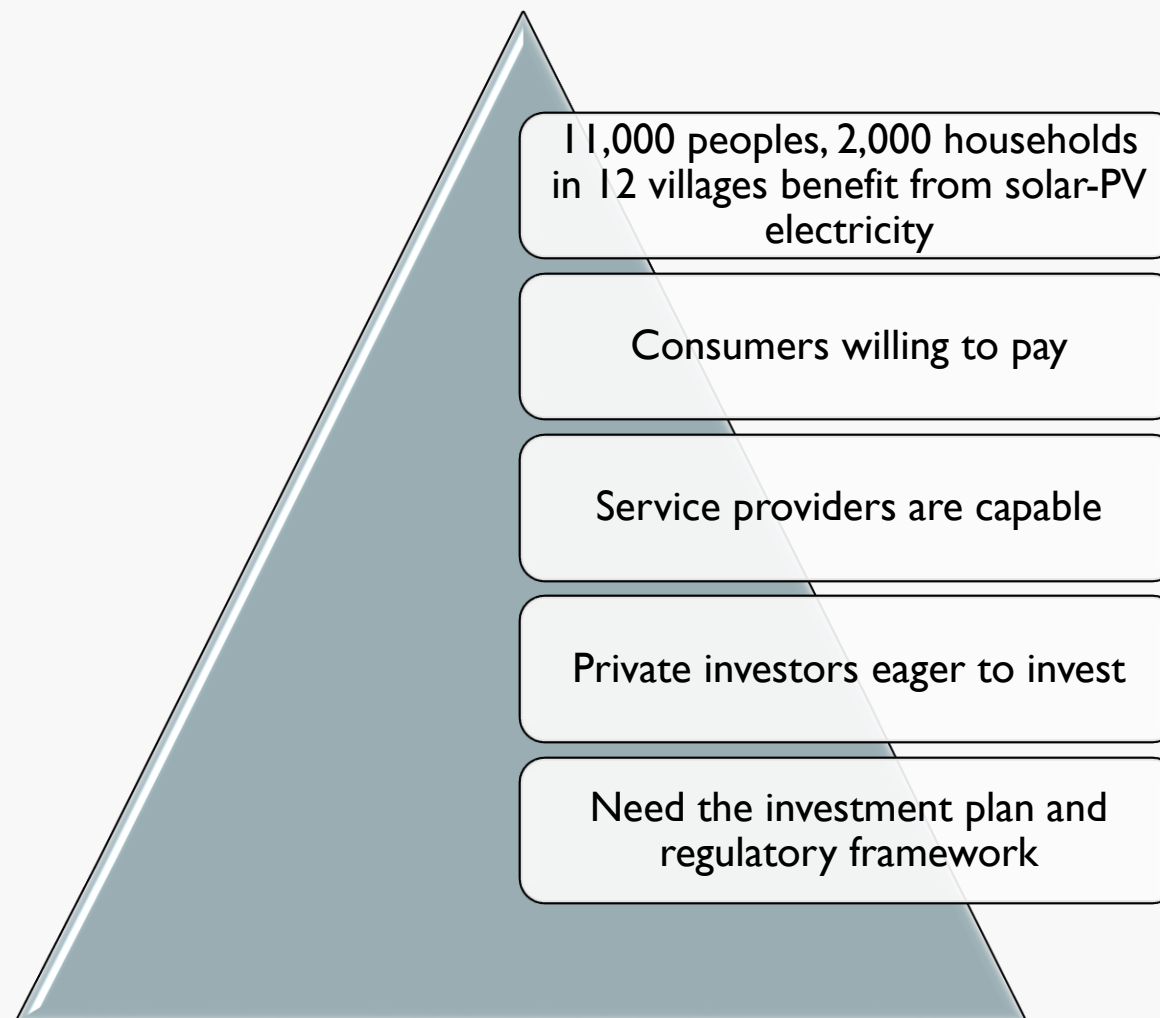
Mobilize/provide funding:

- Micro-financing
- loans to villages for their contribution of 20% of cost

Co-ordination with on-grid electrification

Capacity building

LESSON LEARNT



SCALING UP ...

Development partners help with:

- Regulations (e.g., on vs. off grid)
- Planning (viable selection of villages)
- Funding (seed funds)

ADB, WB, KfW, AFD,
EU, Italy ...

THANK YOU FOR YOUR ATTENTION !
buiduythanh@adb.org

