



British Embassy
Jakarta



**PYC International
Energy Conference 2025**

Towards Visi Indonesia Emas 2045: Aligning Energy
Security, Economic Growth, and Environmental Sustainability

Unlocking Success in Community RE in Indonesia

Mobilizing Investment & Ensuring Long-term Viability

22-23 August 2025

purnomoyusgiantorocenter.org

Opportunities for Community RE



- Over 10,000 off-grid villages with RE potential
- Community ownership increases energy access and local buy-in
- Job creation and capacity building
- Expand youth and women participation in climate and energy
- Supports national RE target and Just Energy Transition (JETP)

Case Study: PV Katingan @ Tampelas Village, Central Kalimantan

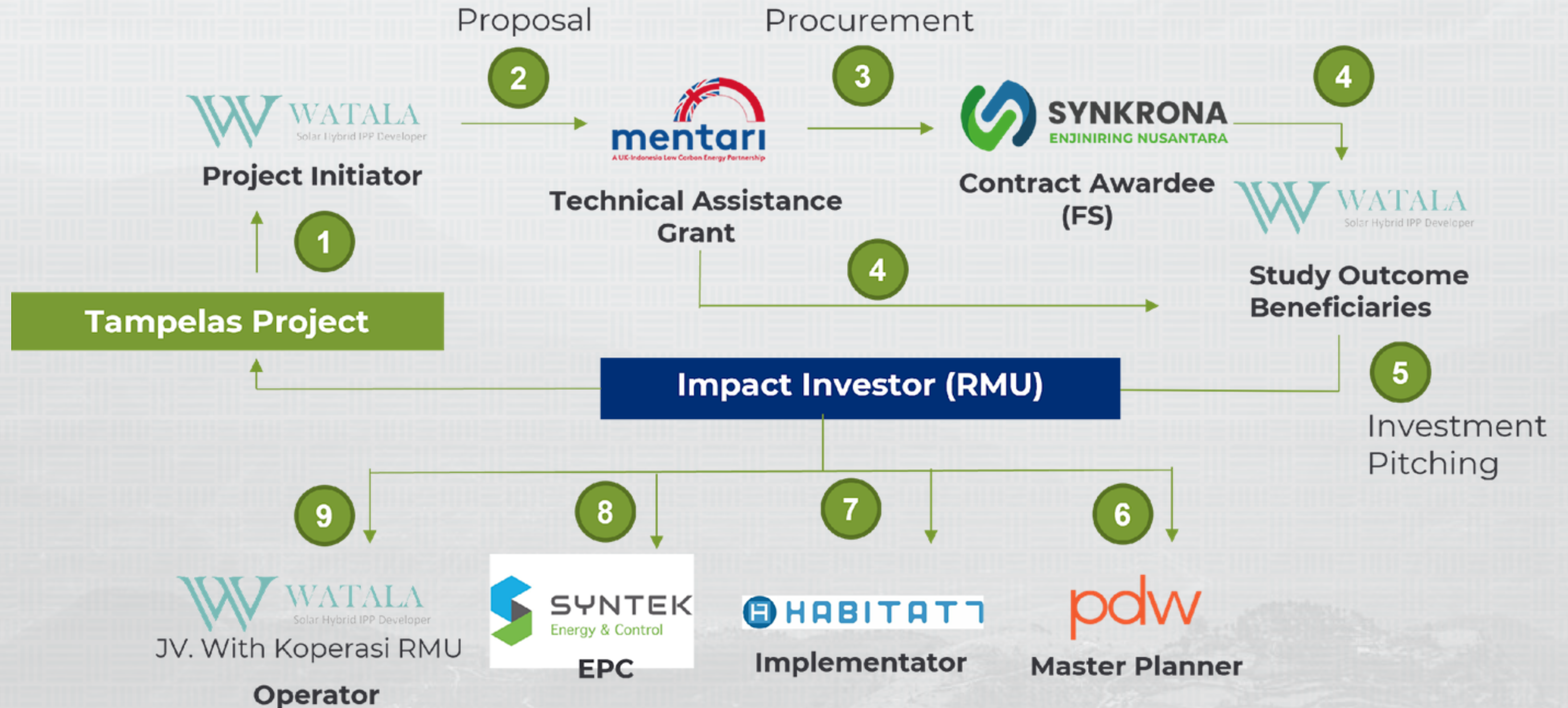


Solar PV Size
204,12 kWp

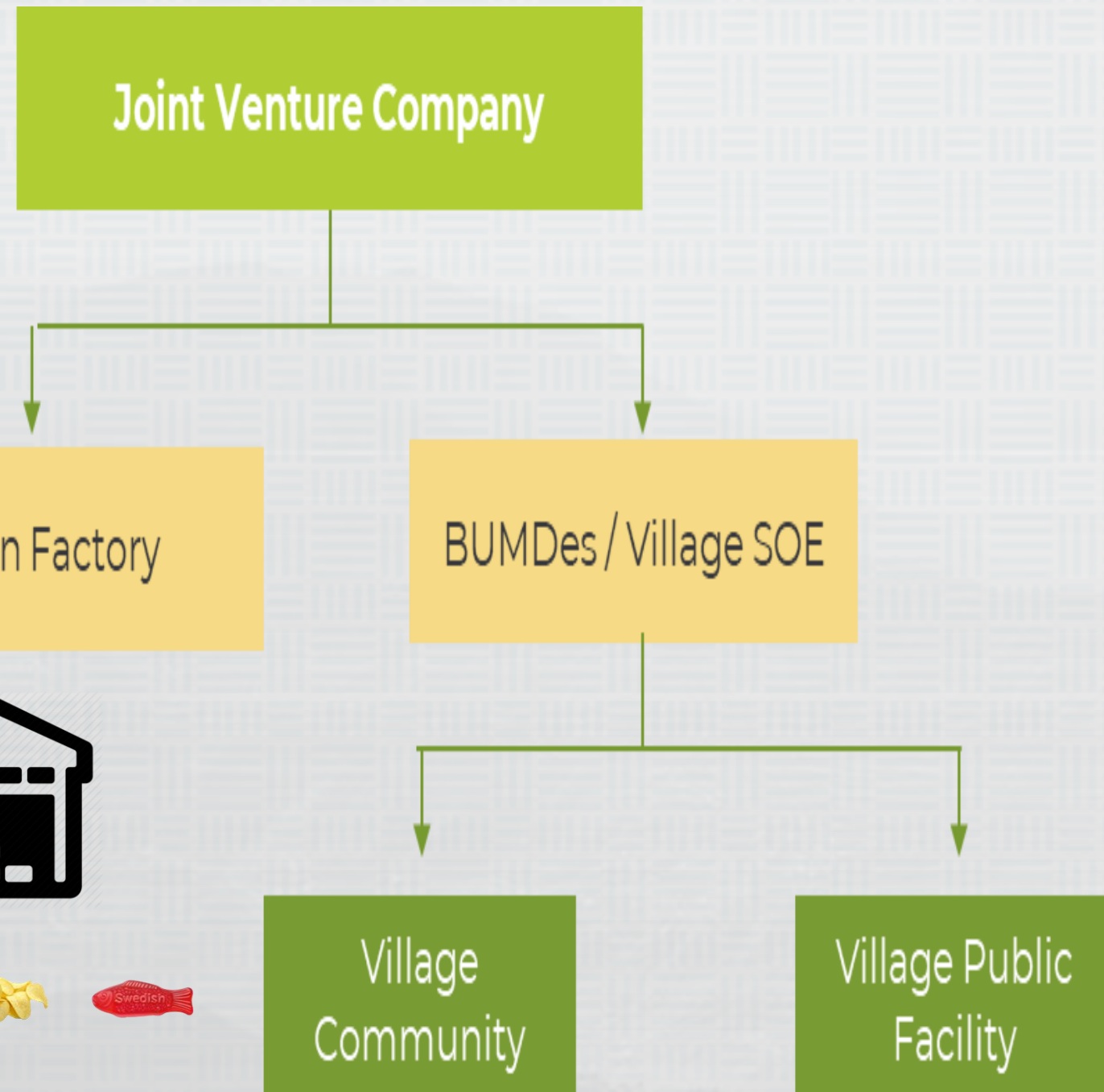


Battery Capacity
406,6 kWh

Successful Investment Mobilisation



Business Scheme



	Tariff Per kWh		Limitation per House		Total Tariff	
Village Community	0,24	USD	1,4	kWh	0,33	USD

	Tariff Per kWh		Estimation Consumption		Total Tariff	
Albumin	0,80	USD	261.8	kWh	209,44	USD

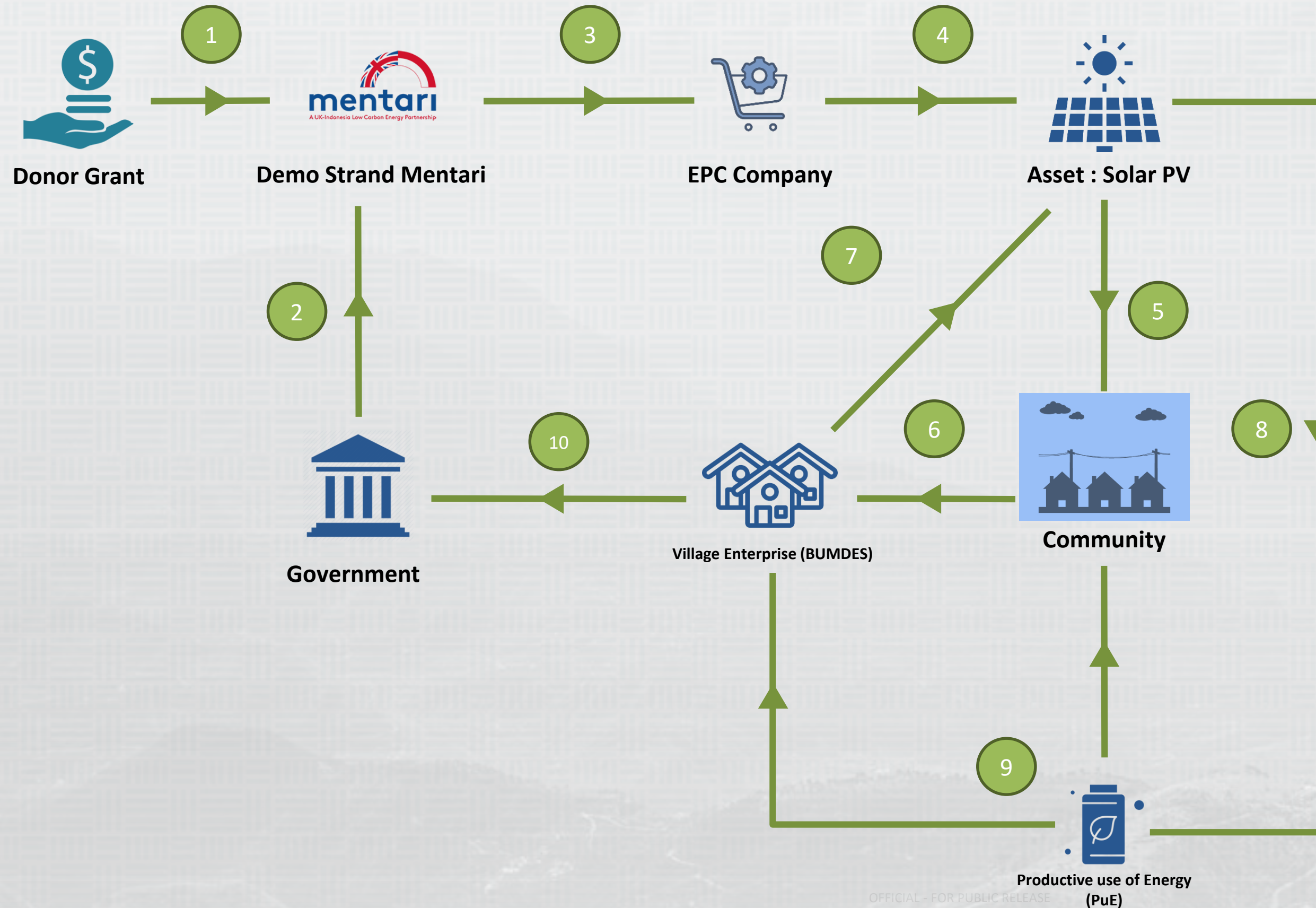
Total Tariff & Electricity Consumption

	Per Day		Per Month		Total all House	
Village Community	0,33	USD	10,08	USD	779,16	USD
Albumin	209,44	USD	6.283,20	USD	6.283,20	USD
Grand Total					7.059,36	USD

Case Study: Solar PV 95 kWp with BESS – Mata Redi and Mata Woga, Sumba

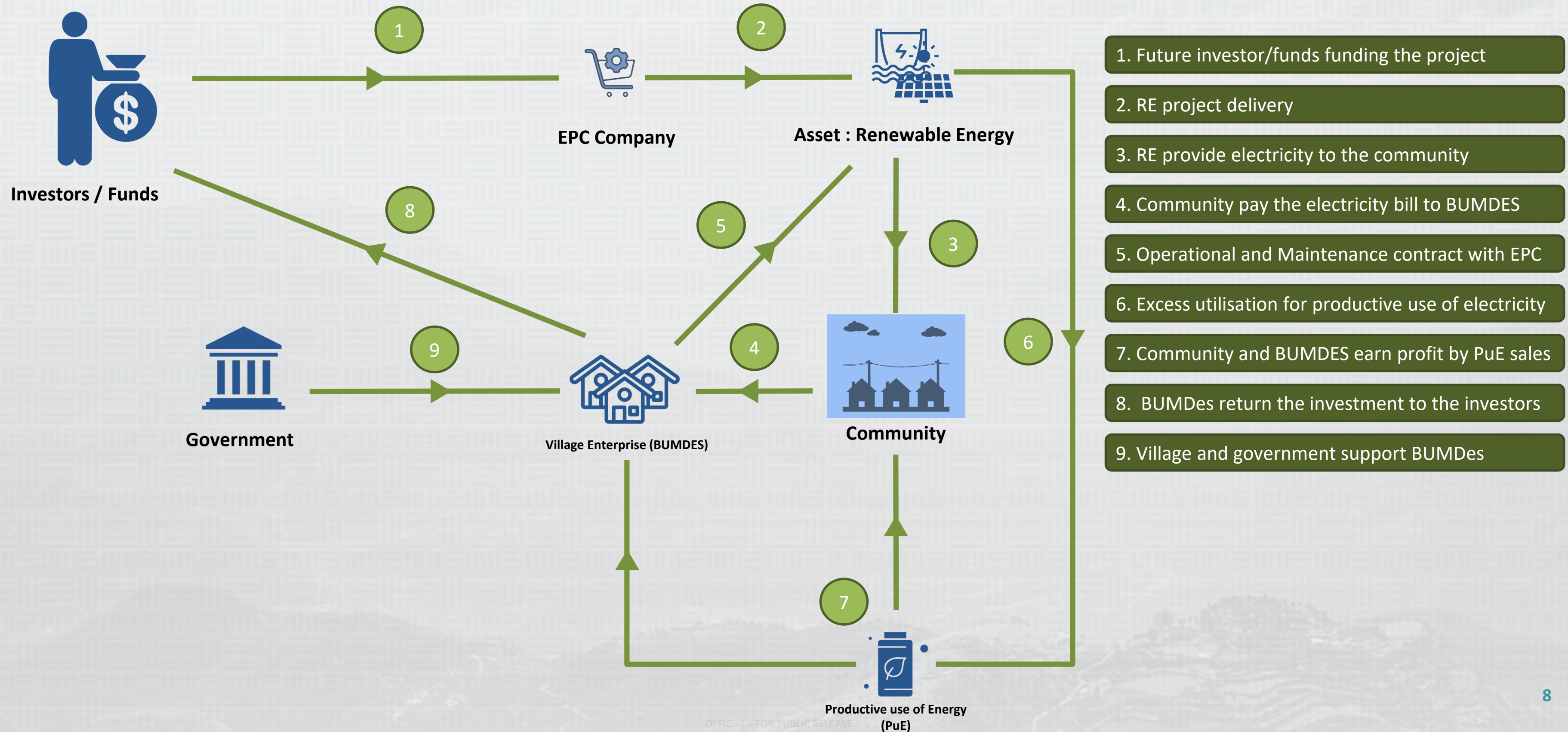


Business Scheme : Demo Project



1. UK Government funding MENTARI
2. Government through MEMR working with MENTARI
3. EPCC on Solar PV project
4. Solar PV with BESS delivery as asset
5. Solar PV provide electricity to the community
6. Community pay the electricity bill to BUMDES
7. Operational and Maintenance Solar PV
8. Excess utilisation for productive use of electricity
9. Community and BUMDES earn profit by PuE sales
10. Ministry of Village on BUMDES support

Business Scheme : Future Project



TAKE AWAYS

Overcoming Common Funding Challenges

CHALLENGES

Project Bankability Gaps

Limited Access to Affordable Capital

Capacity Constraints

Willingness to Pay

Sustainability

Human Resource

SOLUTIONS

Pre-Investment Support

Engage Impact Investors / DFIs

Technical Assistance / Training

Gap Payment, Cross Subsidy, Sanction

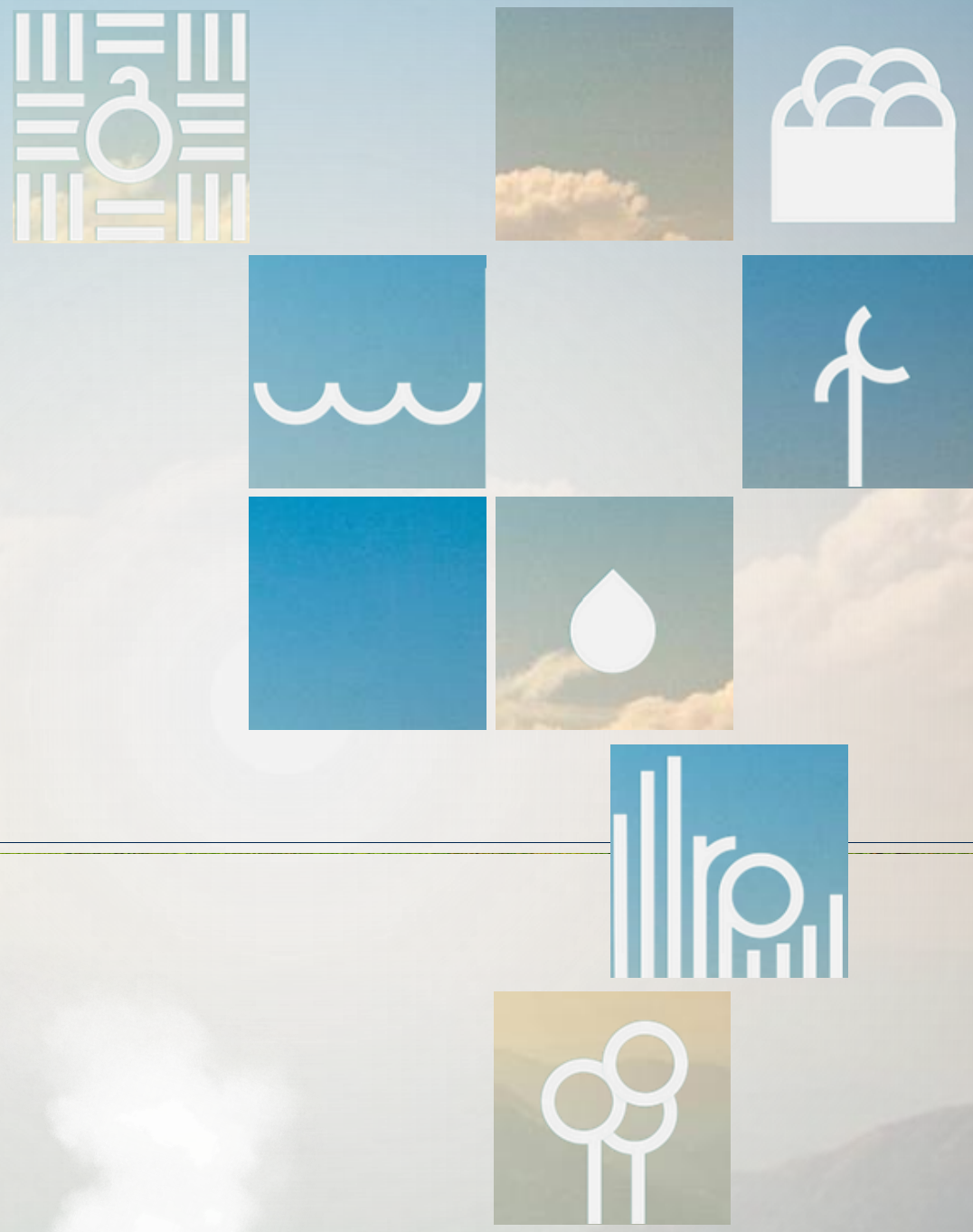
O&M by community ownership

Vocational Education Training

Key Success Factors for Community RE Projects



- Community ownership and local buy-in
- Productive use integration
- Blended and innovative financing
- Capacity Building
- Revenue and tariff management
- Policy and institutional support



THANK YOU

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