



Demonstrating the commercial viability of rural Clean Energy Mini-Grids (CEMG) in Mozambique

UNEP project in development by EDP, SAN-JFS, FUNAE, EDM

IRENA INNOVATION WEEK – BONN - 12 MAY 2016

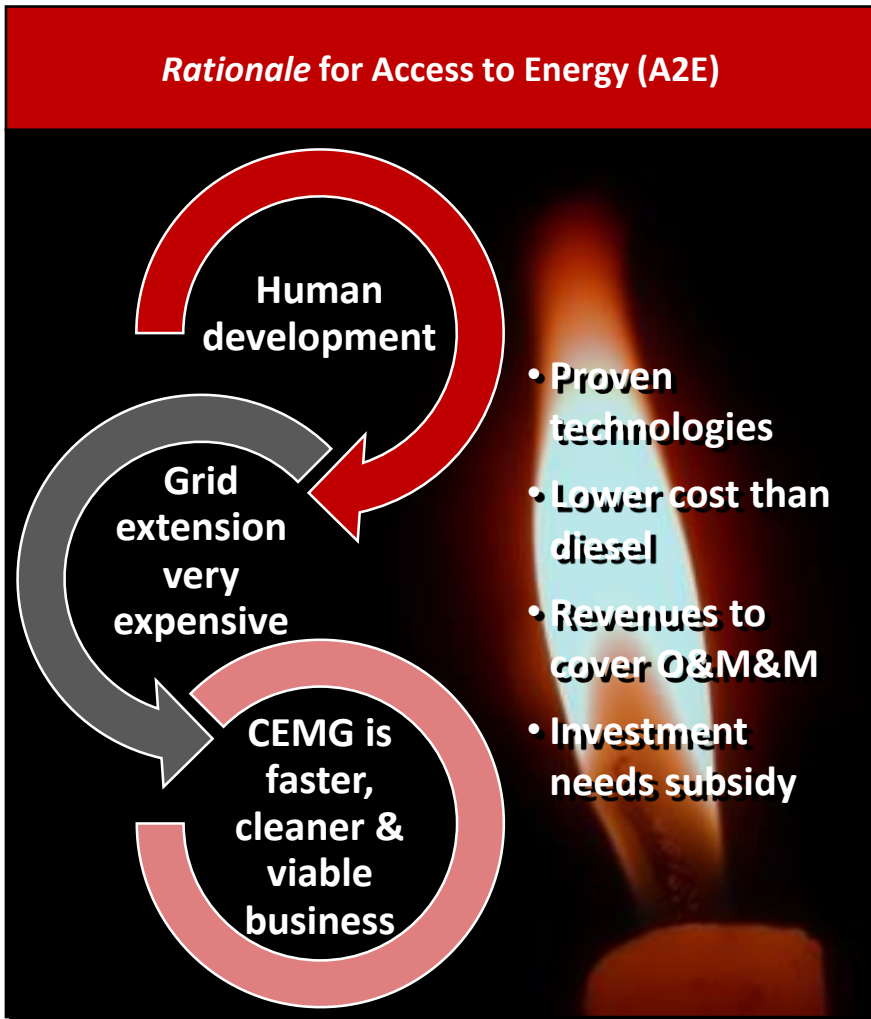

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There is a strong *rationale* and *opportunity* to implement CEMG in Mozambique

UNEP launched a Programme to prove the commercial viability of solutions for the operation of decentralized clean-energy applications

Opportunity in Mozambique

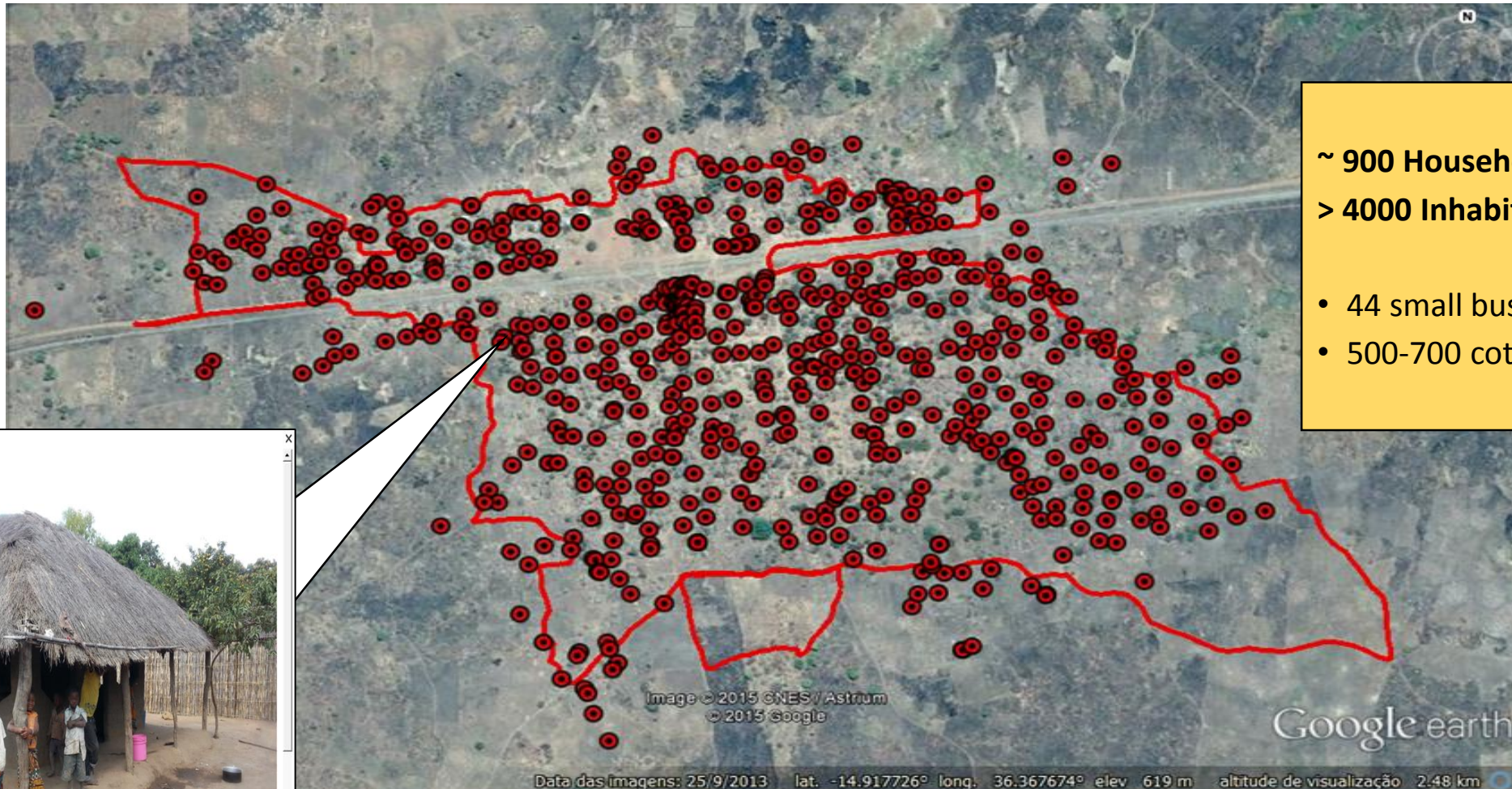


- No electricity access for >70% (**potential market of 17 million people**)
- In target Niassa region, >85% of population with lack of electricity
- Jan 2014, EDP joined **UNEP's programme** to create an international Case Study

Titimane village is located in Cuamba district, Niassa Province, crossed by a dirt road from Cuamba and a railway between Malawi and Nacala



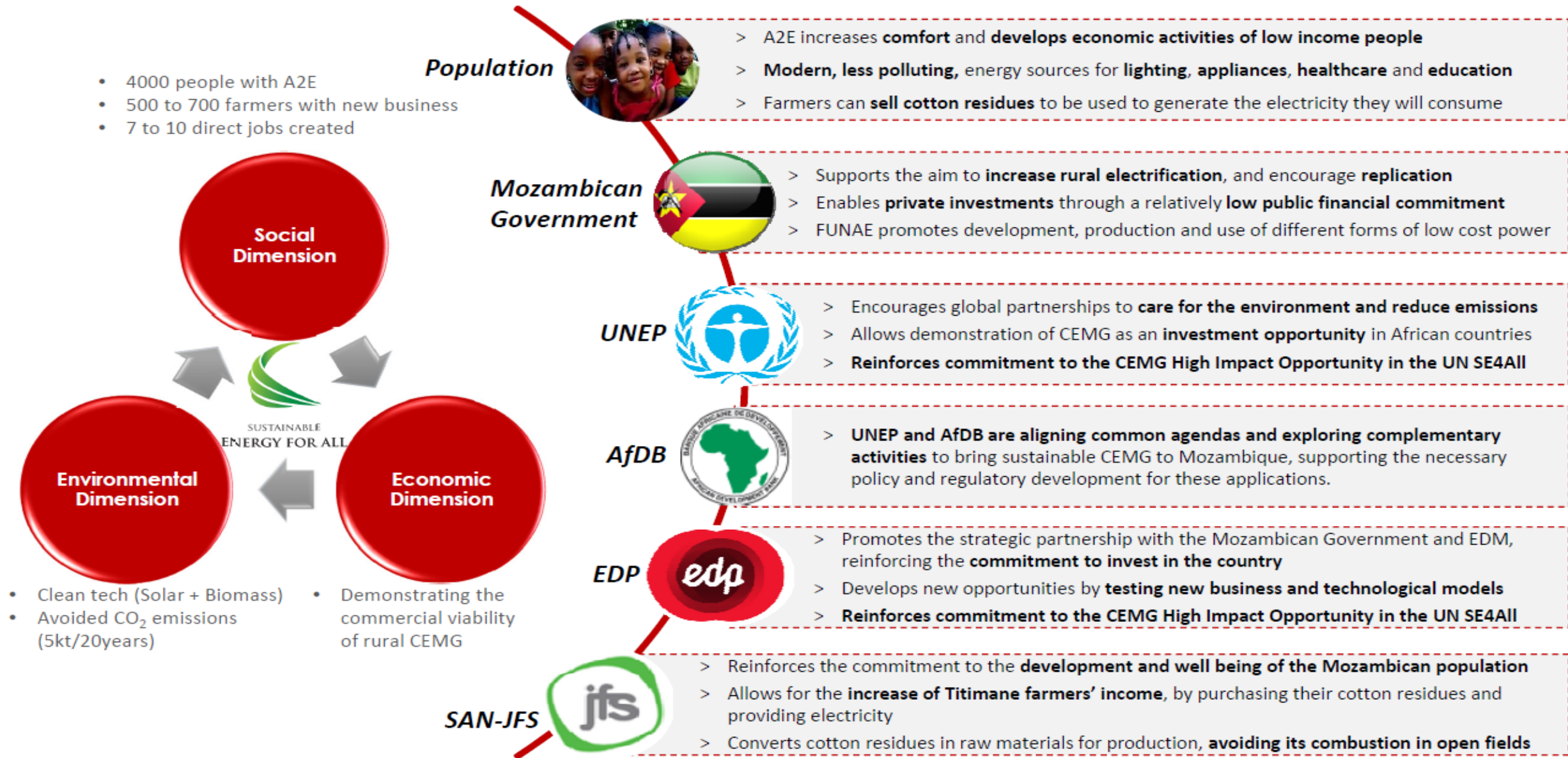
Titimane village is cartographed and socio-economic profiles of almost all families and businesses were identified



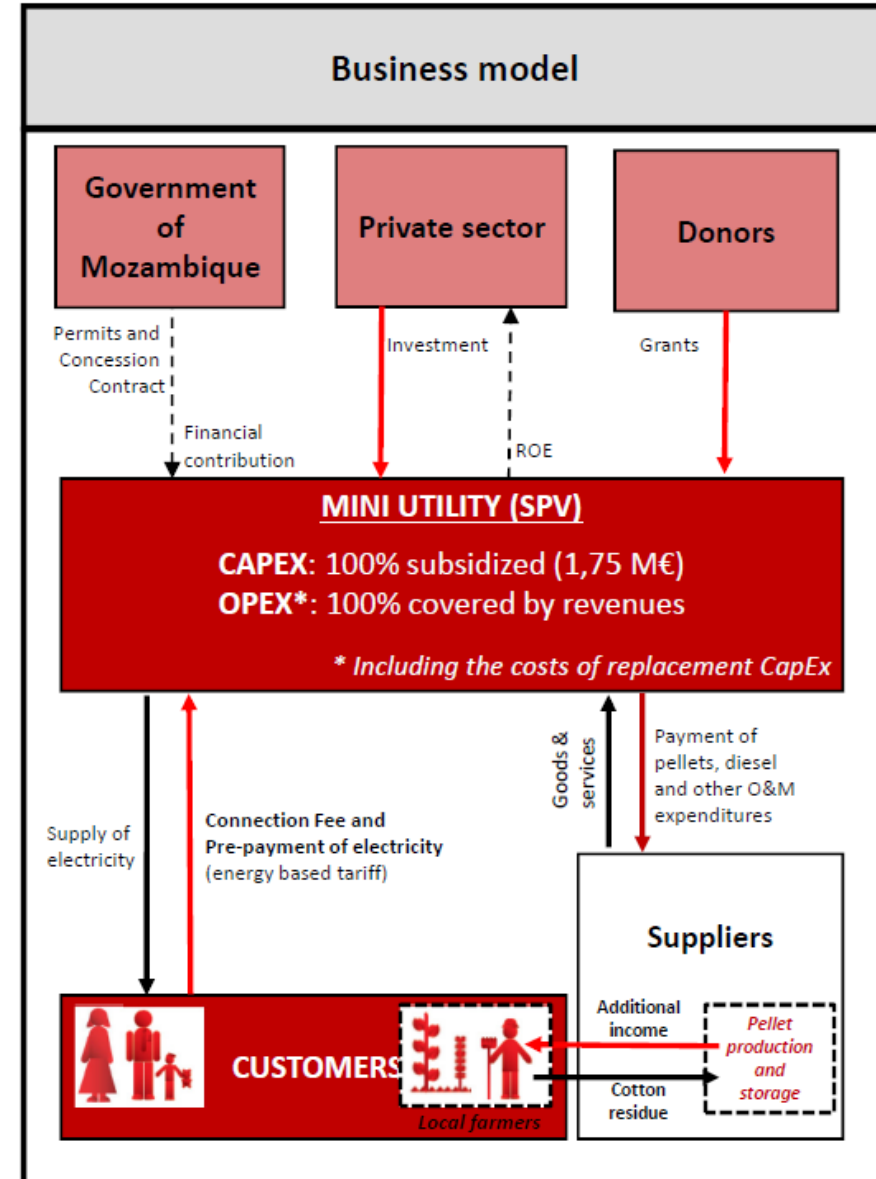
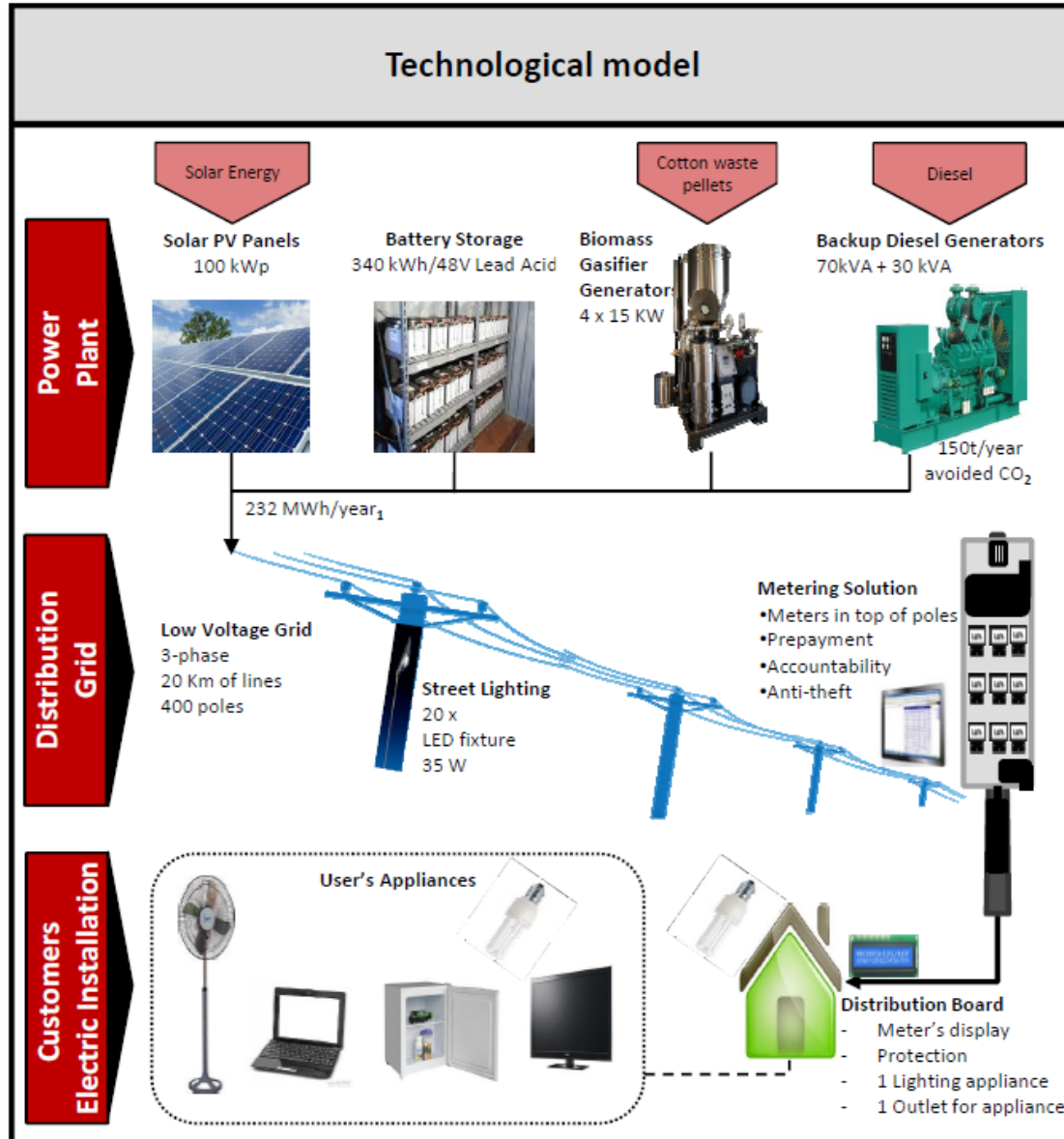
- ~ 900 Households
- > 4000 Inhabitants
- 44 small businesses
- 500-700 cotton farmers



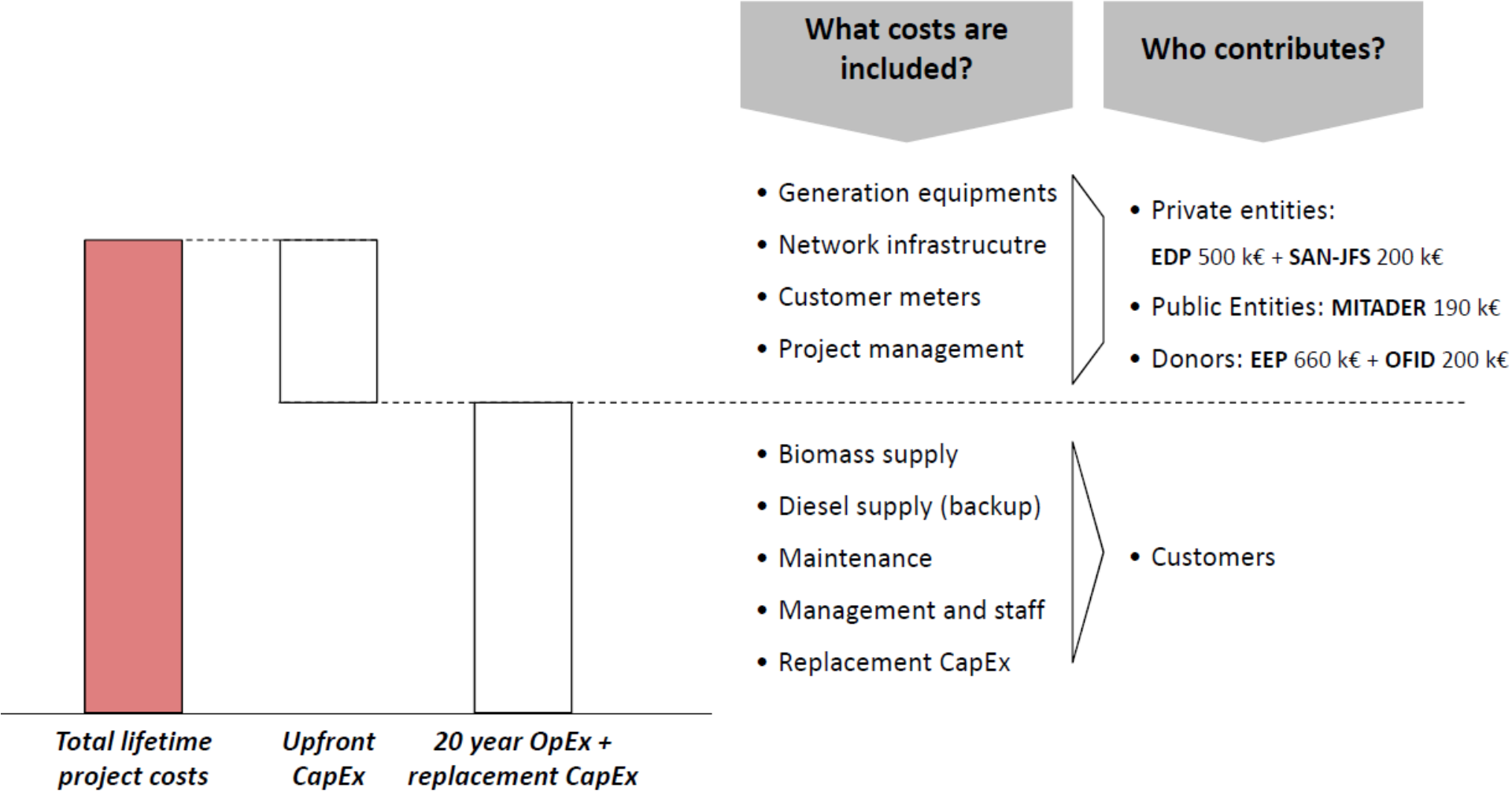
This project contributes to sustainable growth and benefits several key stakeholders



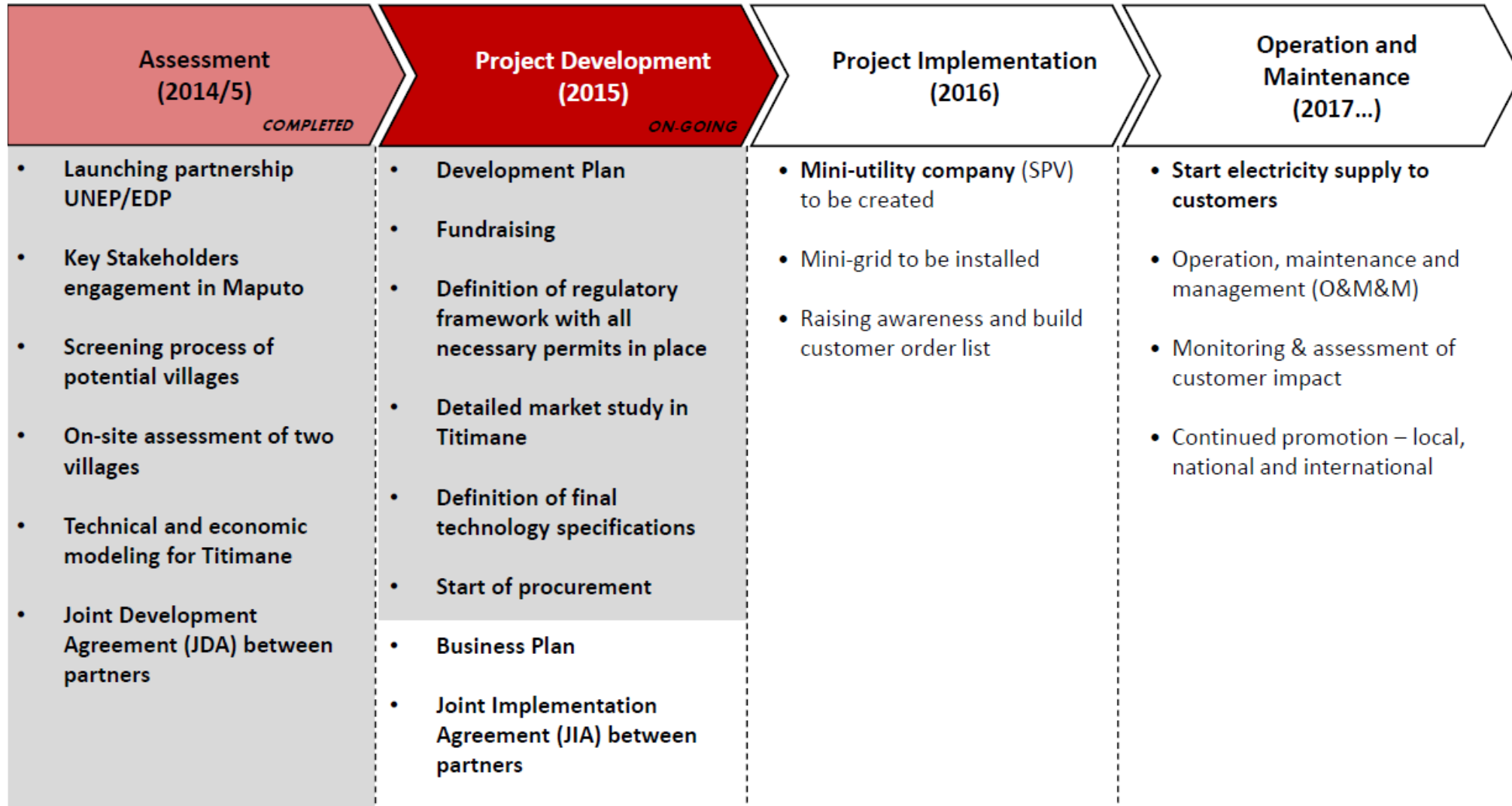
The delivery model will be supported in the creation of a new SPV to own and manage all assets



The ongoing operations are commercially viable but public entities plus donors subsidize the business by financing the upfront CapEx costs



The project is currently in its second year, with the aim of starting scale up and replication to new locations by the end of year 4



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