

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

Project financed by The Ministry for Foreign Affairs of Finland, The Austrian Development Agency and The UK Department for International Development

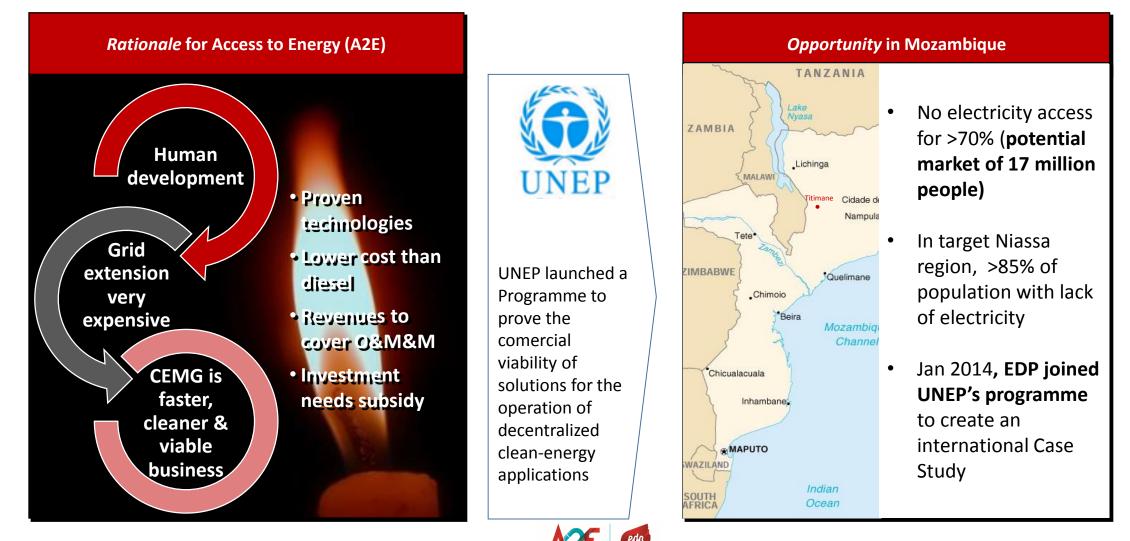




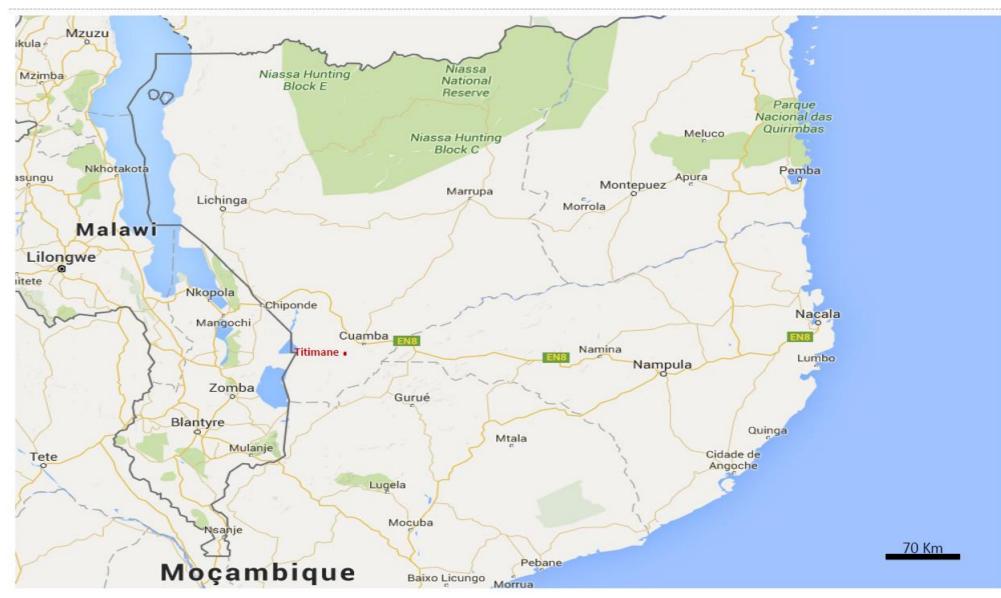
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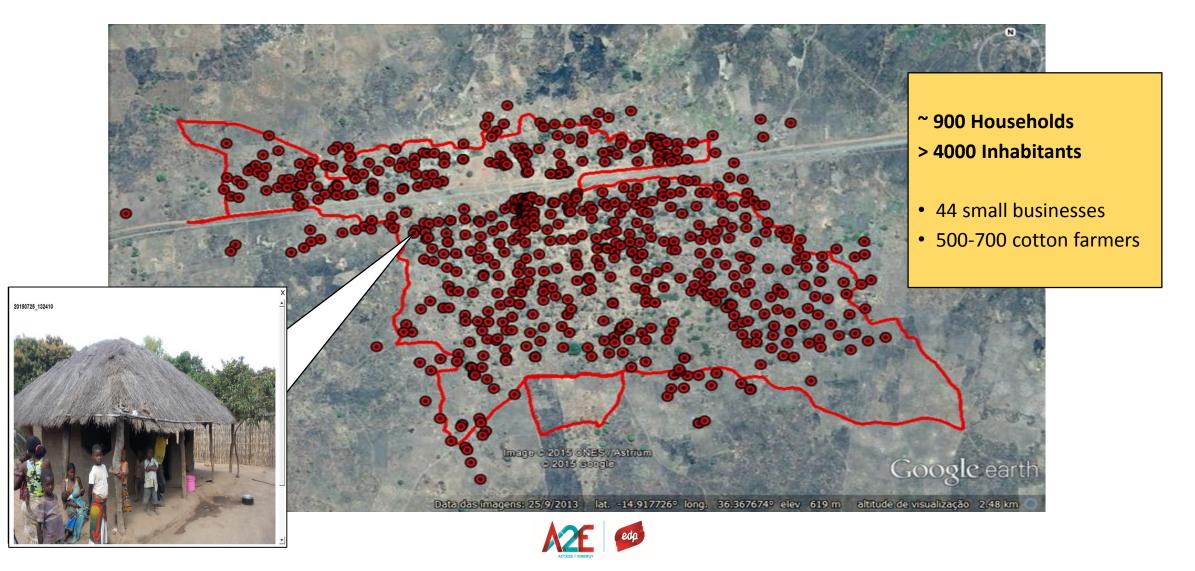
There is a strong *rationale* and *opportunity* to implement CEMG in Mozambique



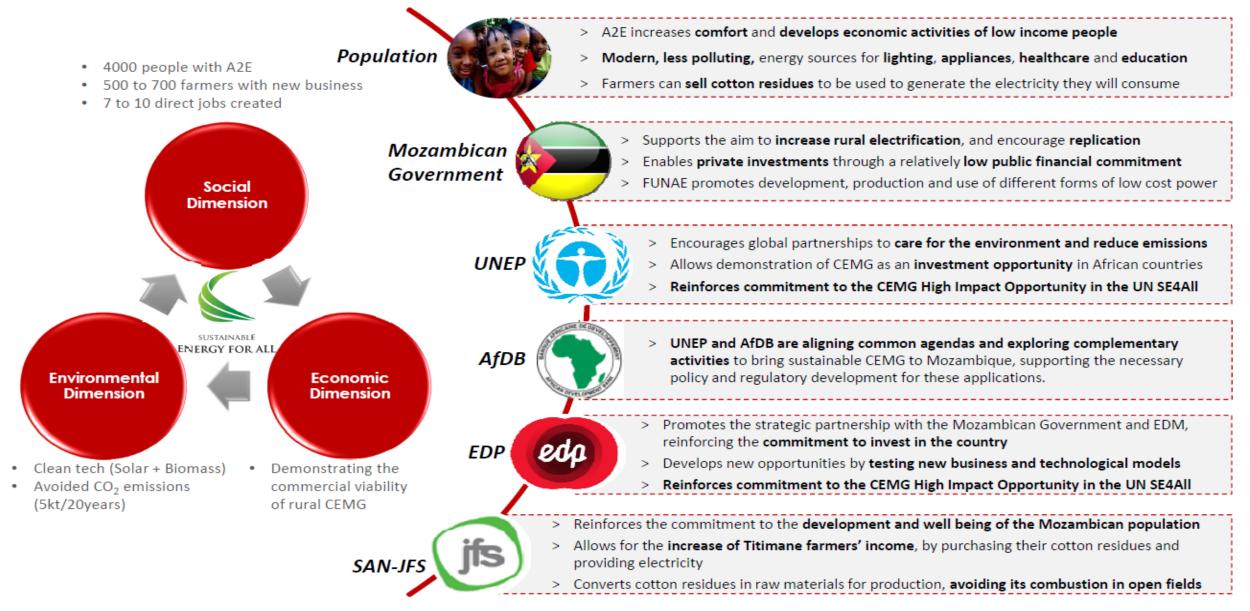
Titimane village is located in Cuamba district, Niassa Province, crossed by a dirt road from Cuamba and a railway between Malawi and Nacala



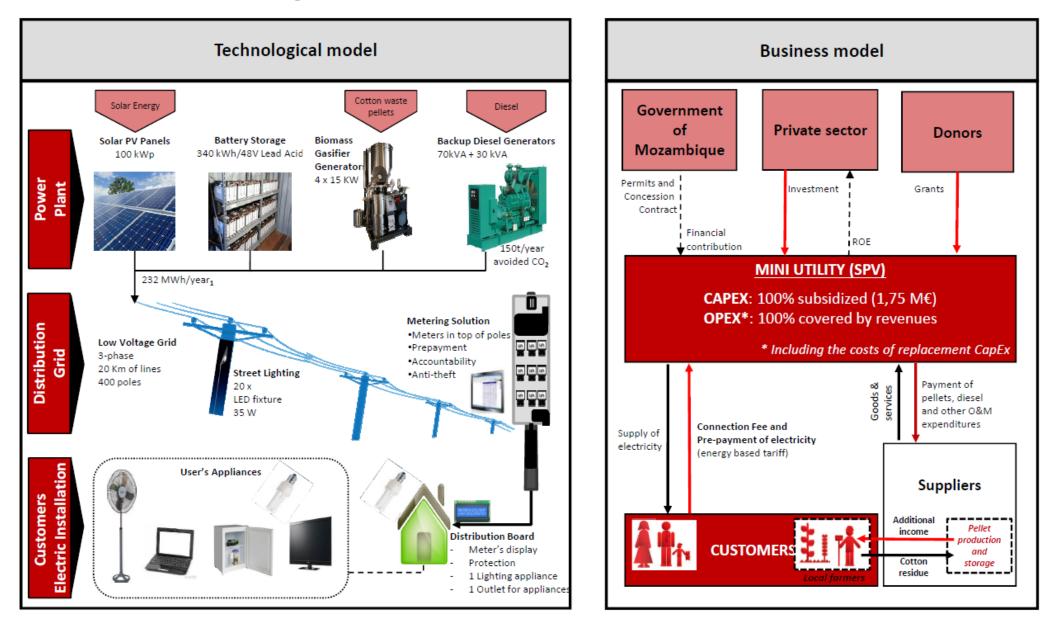
Titimane village is cartographed and socio-economic profiles of almost all families and businesses were identified



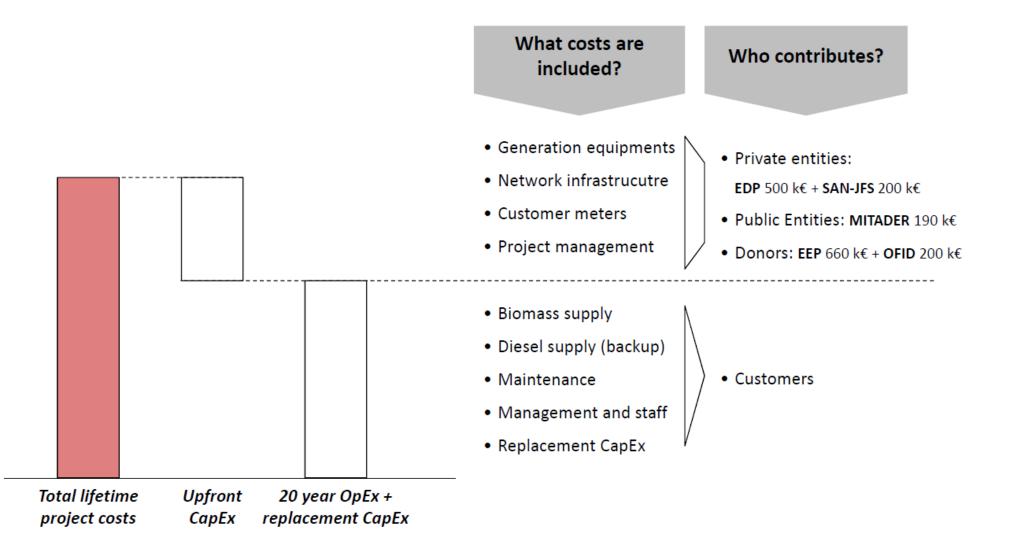
This project contributes to sustainable growth and benefits several key stakeholders



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



K2E COD

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

Assessment (2014/5) COMPLETED	Project Development (2015) ON-GOING	Project Implementation (2016)	Operation and Maintenance (2017)
 Launching partnership UNEP/EDP Key Stakeholders engagement in Maputo Screening process of potential villages On-site assessment of two villages Technical and economic modeling for Titimane Joint Development Agreement (JDA) between partners 	 Development Plan Fundraising Definition of regulatory framework with all necessary permits in place Detailed market study in Titimane Definition of final technology specifications Start of procurement Business Plan Joint Implementation Agreement (JIA) between partners 	 Mini-utility company (SPV) to be created Mini-grid to be installed Raising awareness and build customer order list 	 Start electricity supply to customers Operation, maintenance and management (O&M&M) Monitoring & assessment of customer impact Continued promotion – local, national and international



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