





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

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

PROJECT BRIEFING FOR WEBINAR **"Towards Energy Access in Mozambique"**

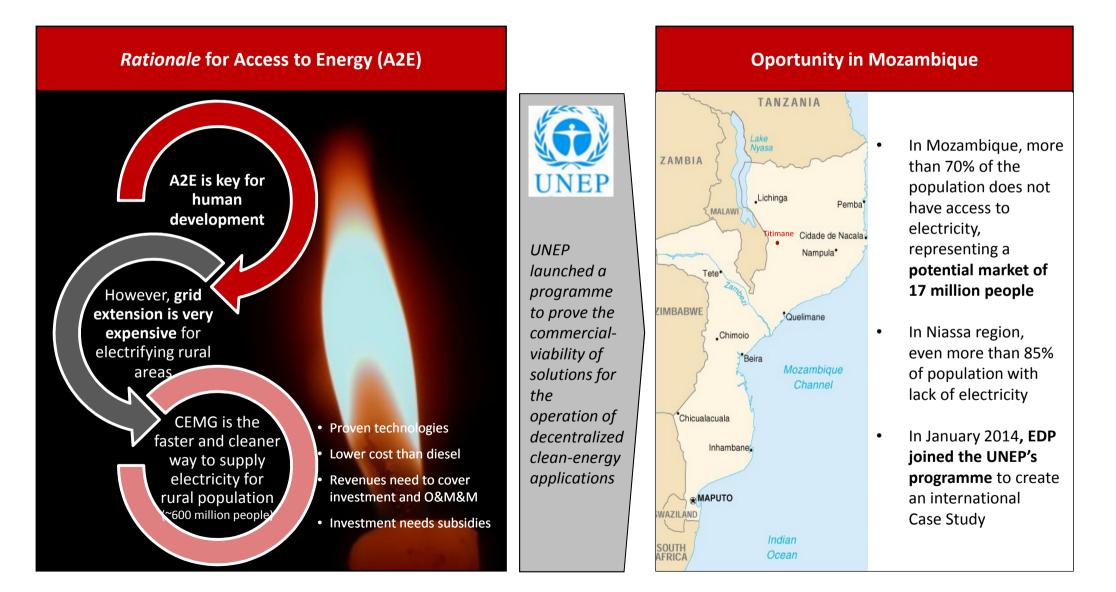
15 December 2015



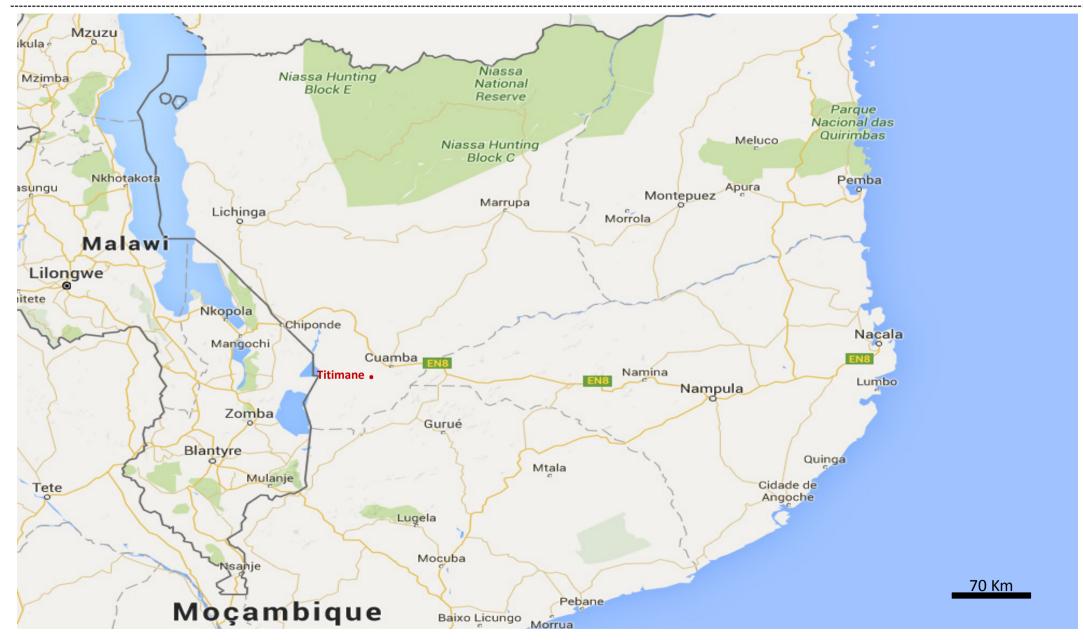
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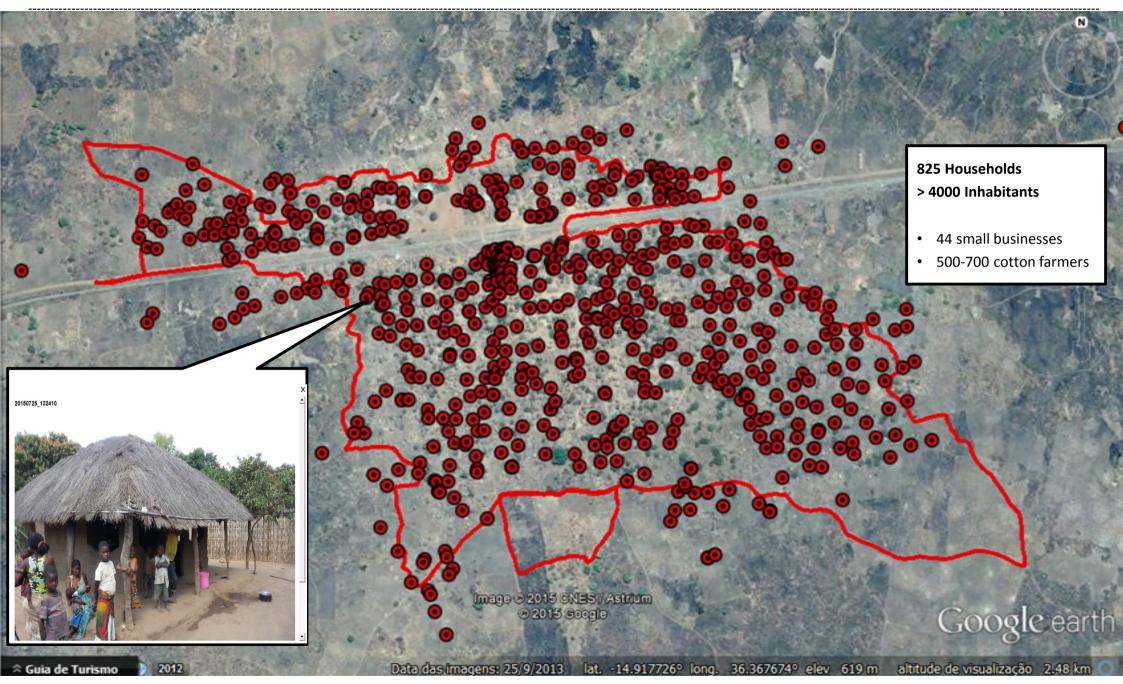
There is a strong *rationale* and opportunity to implement CEMGs in Mozambique



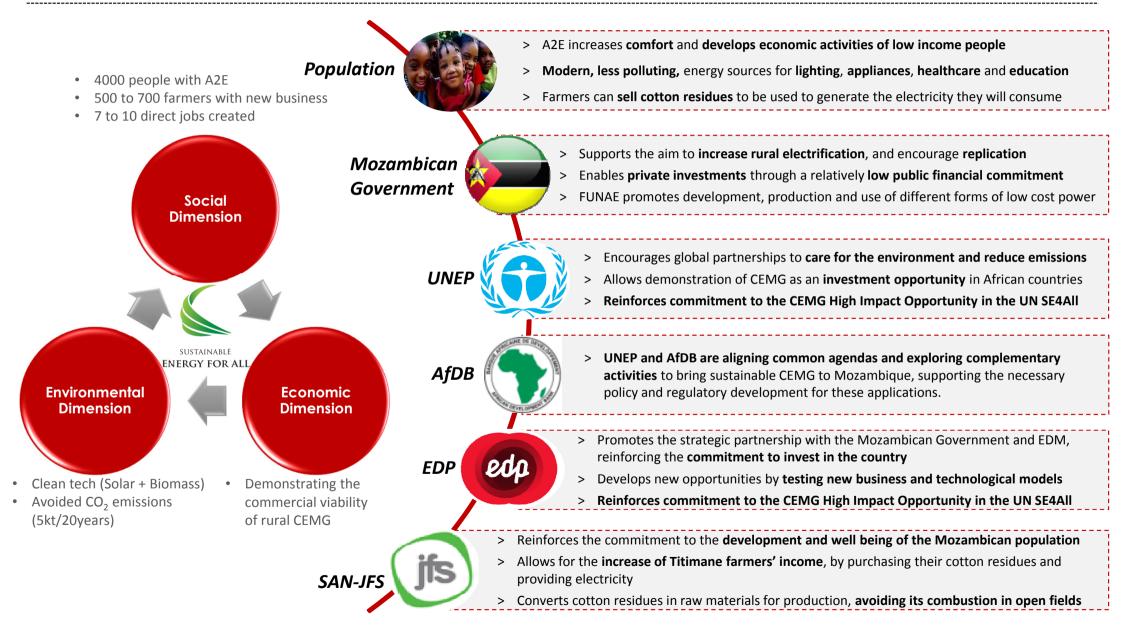
Titimane village is located in Cuamba district, Niassa Province, crossed by a dirt road from Cuamba and a railway between Malawi and Nacala



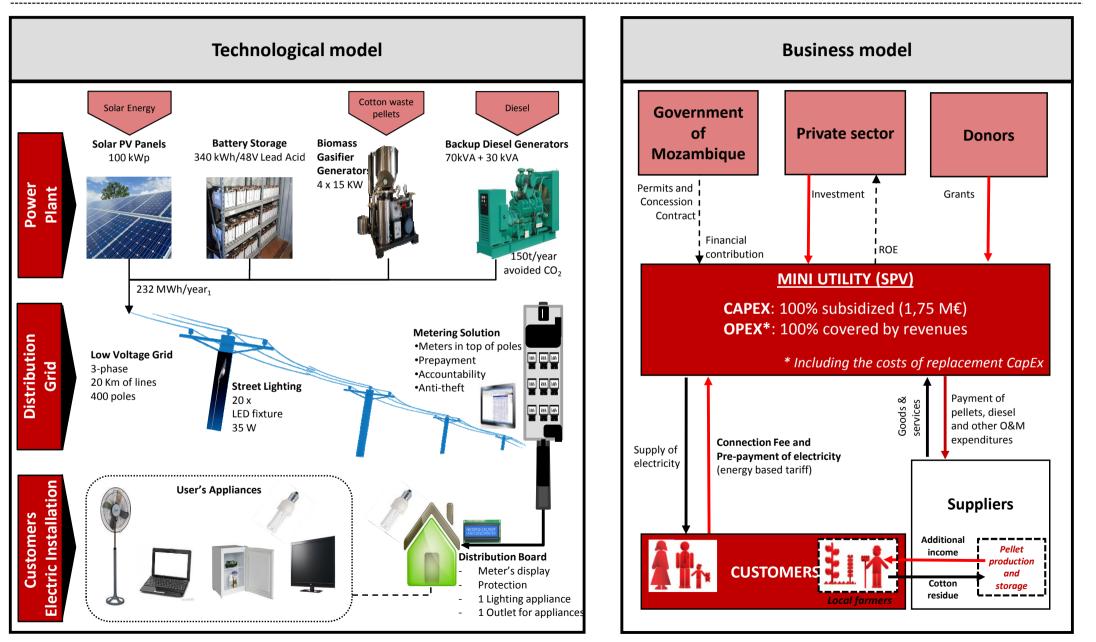
Titimane village is cartographed and socio-economic profiles of almost all families and businesses were identified



This project contributes to sustainable growth and benefits several key stakeholders

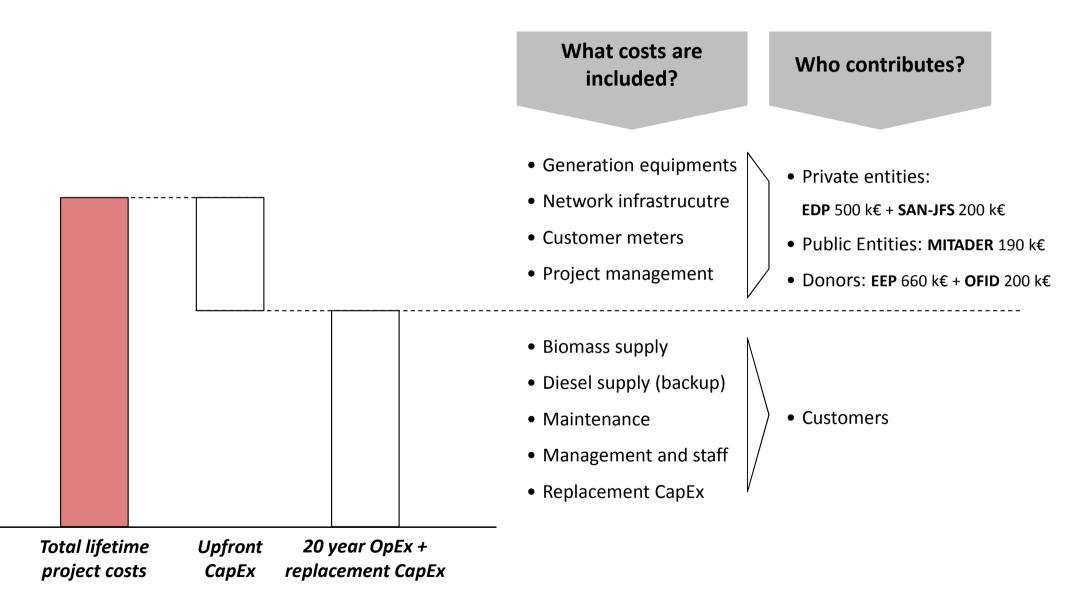


The delivery model will be supported in the creation of a new SPV to own and manage all assets



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

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