





The Mini-Grid Builder

"A web tool for reducing project development upfront costs"











Why a builder?





- Each mini-grid project is unique, the demand and possible outputs are **site specific**.
- The higher the up-front cost (feasibility studies), the higher the tariff.
- Each project's commercial viability is directly linked to the effective demand. There is a need for a standardized approach for demand assessment.
- Project developers need a handy tariff setting tool (Which does not require an MBA in finance)
- Need for a shared framework for data collection.







Introducing what the mini-grid builder does

- Provides a framework for data collection (for feasibility studies)
- Helps reducing upfront costs. The tool output is a site specific prefeasibility studies.
- Provides a workable assessment of the effective demand (based on ATP and WTP)
- Calculates realistic and applicable electricity tariffs based on LCOE
- Project data is stored in the database for future updates / reviews

Savings incurred in Kenya on a mini-grid feasibility study: **up to 15**% on project total costs.







How it works

The tool is available for free on :



How to use it:



Create an account



Collect socioeconomic and demand data on site



The tool



Update data if project implemented latter







Tool Overview



- Data collection for the tool is done in a questionnaire format with a mixture of open, and closed ended questions.
- Information collected is divided into three segments, and a final report containing all input data calculations



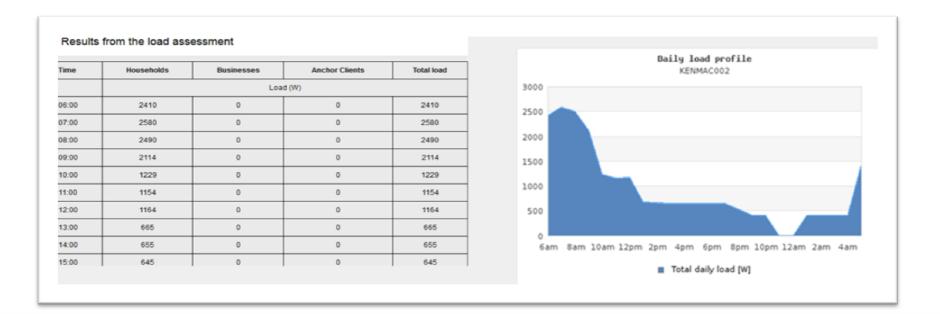






Tool Overview

The final report generated by the tool displays input data in tabular and graphical form. Making it easy for customers to correlate and understand budget and technical estimates.







Implemented by



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