



Implemented by



EQUATORIAL

ENERGIES

The Solar Guys!

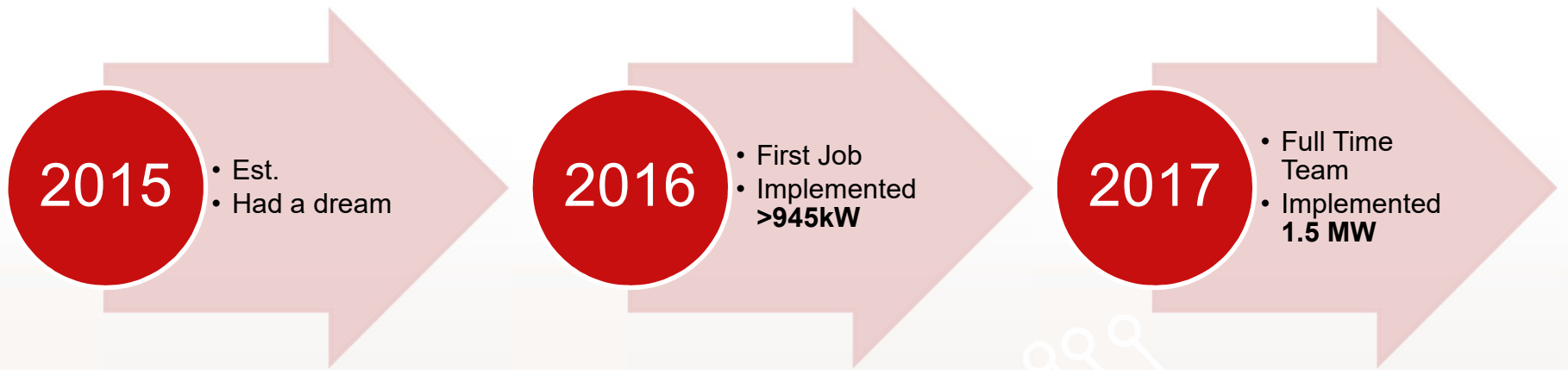


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Equatorial Energies Ltd

The Solar Guys!



What problems are we solving?

- High cost of electricity
- Grid unreliability
- Skills Gap in Local Market
- Unemployment
- Energy Access in off-grid areas

1.1. Current Cost of Electricity

The LCOE of the national grid in Kenya (Kenya Power), is approximated to range between **14 KES/kWh to 22 KES/kWh**. This is illustrated below:

- The demand charges are high.
- As the country progresses, the energy cost rises.

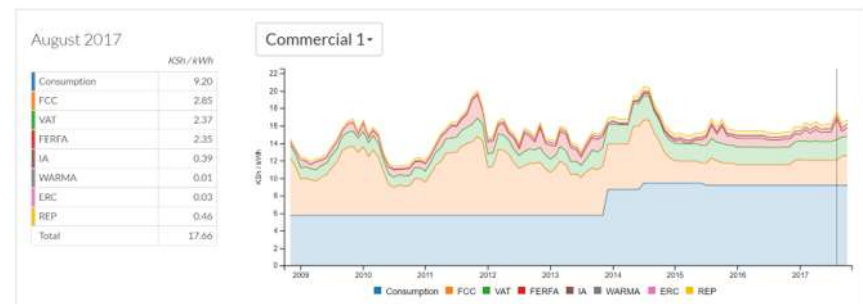


Figure 1: Increasing cost of energy in the country

Our Product

Our Model

- EPC (Engineering, Procurement and Construction)
- Installs, operates and maintains.

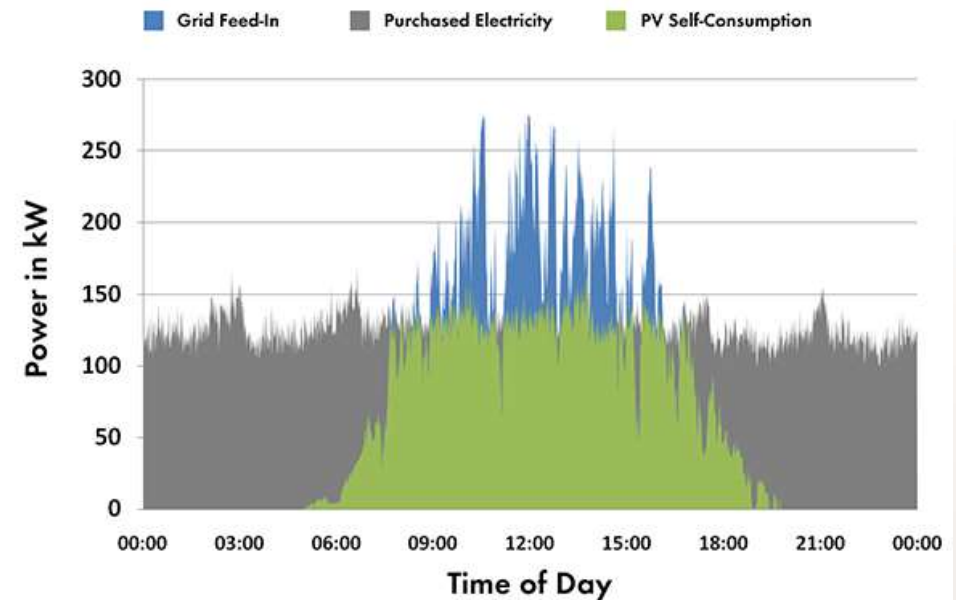


How it Works

- Majority consumption during the day
- Grid parallel system
- Priority of load given to solar power
- Reduction in grid purchased electricity



SMA Sunny Portal



SMA Self Consumption Diagram

Our Work



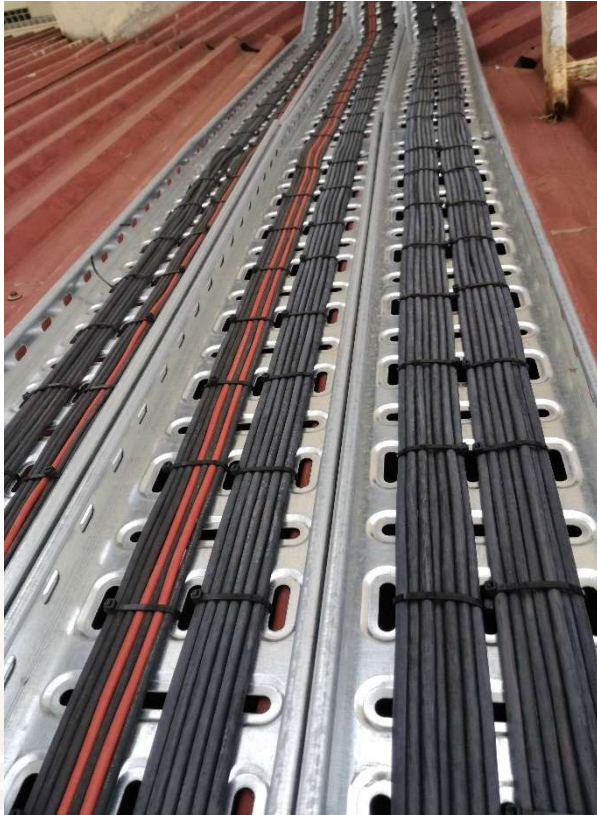
Case Study 1 Steel Plant: 220kW



- Offset 30% of energy load
- 62 Tonnes of CO2 avoided

Case Study 2

Insect Research Facility: 945 kW



- 18,317 Trees saved from deforestation



Case Study 3



Beverage processing
facility: 924 kW



- 17,658 Trees saved from deforestation

Case Study 4



- Offset 40% of energy load
- Sustainable value chain for flower products.

Flower Farm: 201.6 kW



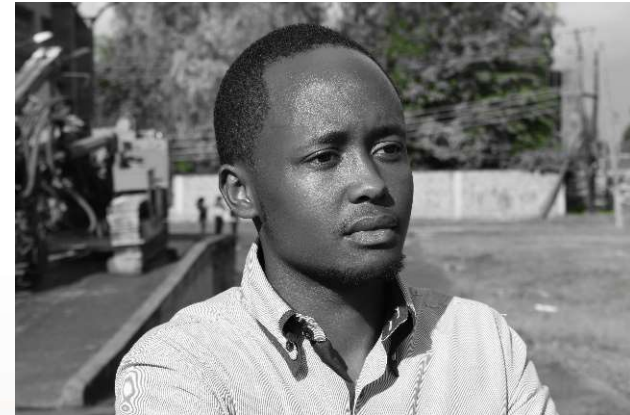
Our Team



- **Evan Kimani (Tech-Guy)**



- **Mary W Mindo (Strategist)**



- **Kevin Gaitho (Diplomat)**



We apply our industry knowledge and engineering capacity to bring the potential of solar PV to Saharan Africa.



➤ **VISION: To be the best Solar EPC in Sub-Saharan Africa**

- Contribute largely towards achievement of SDG 7: Affordable and clean energy and SDG 13: Mitigate climate change
- Supply clean, affordable and renewable energy to our clients.
- Create employment and facilitate skills transfer in renewable energy to youth in Sub Saharan Africa.

EQ Mission: To provide sustainable energy solutions

What makes us different?



Local Presence and Knowledge

Locally positioned team with proper knowledge of landscape, accessibility and effective operation and maintenance.



Technical Guarantee

Our team is well equipped to provide highest level of technical excellence.



Cheaper

Cost effectiveness in our delivery due to our flexibility on the ground.

