

# Sustainable electricity in Kenya

## Context

- Energy gaps left by limited National Grid power infrastructure connections.
- Alternative affordable energy (PV solar and wind).

## Strategy/Opportunity

- Demand (8% growth): focusing on 40% unconnected section, optimizing national development goals, and giving the private sector affordable solutions.
- Investment: Leveraging legal frameworks, solar and wind energy potential, local and foreign finance and human capital.
- Market diversity: local currency Power Purchase Agreements and investing in a wide range of products (Utility scale - micro grids).

## Need/Challenges

- 45% of the Households are not grid connected (Geographic or social-economic reasons).
- 70% of electricity is hydro (renewable but affected by regular droughts) resulting to use of expensive fossils and power rationing.
- High cost of developing energy infrastructure hinders production of affordable electricity.

## Project and Partners

- Blended DFI project financing for capital costs with government guarantee.
- Global Gigawatt is providing turn-key alternative power solutions in developing markets.
- Partnering with other development partners to reduce project risks.