

# NORKEN

— Solutions for Africa —



[www.norken.co.ke](http://www.norken.co.ke)

## CUSTOMIZED ENERGY SOLUTIONS

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# General

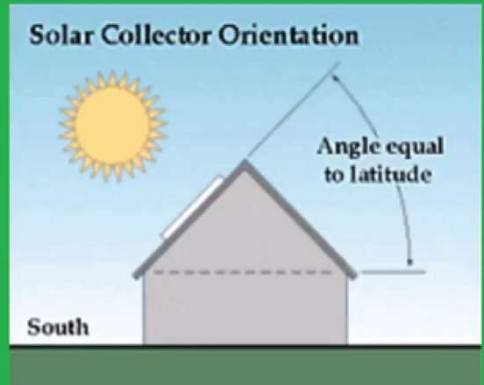
The need for energy Security of supply across Africa is dire, and more innovative flexible and cost effective solutions that can be implemented affordably at a much faster rate are required to serve both the regions rural and urban business entrepreneurs.

Norken Solutions Ltd, A Kenyan owned firm is focused in development of engineering solutions that target the commercial – Industrial consumers as well as domestic consumers within the region and around the globe; The company has developed a new Solar product (E-Banda) featuring the following benefits;

- Hedge against rising energy costs;
- Scalable design for easy upgrades;
- RPO Compliance;
- Self-Reliance;
- Green commitment;
- Peak loads during daytime mostly coincides with peak solar generation;
- Institution's open spaces to be freely shaded with solar panels and generate free energy;
- Institution's idle rooftop space can help in considerable income by selling excess electricity; and
- Creates environment conscious citizens as customers get a hands on solar experience.

## Our Target Clients

- Hotels & Restaurants
- Shopping Malls
- Learning Institutions
- Car Bazars
- Artisans and garages
- Factories
- Estates, Offices and Homes
- Airports
- Railway stations
- Markets
- Telecommunication base stations
- Streets Parking bays



# Footsteps to Producing Customized Energy Solutions

## Development Phase A. (1 to 2 Months)

### Site Identification & Assessment

- Site survey
- Space Acquisition
- Load Assessment
- Demand Projection

## Construction Phase B (2-10 Months)

### Equipment Sourcing

- Generation System
- Distribution System
- Metering System
- Warranties and Origin certification
- Stakeholders Engagement

### System Installation

- Civil Work
- Electro Mechanical Work
- Parts Assembly
- Equipment Installation
- Stakeholder Engagements

### Commissioning

- Equipment inspection
- Equipment Calibration
- System Testing
- Stakeholder Engagements

## Operations and Maintenance Phase C. (up to 25 years)

### Metering

- Load management

### System Maintenance

- Plant Monitoring
- Equipment Inspection
- Equipment Repairs
- Stakeholder Engagements

### Decommissioning

- Grid Interconnection
- Asset Transfer
- Refurbish/Resale/Recycle
- Impact Evaluation
- Stake holder Engagement





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