



Gadgetronix
UNLIMITED TECHNOLOGIES

Energy Profile

www.gadgetronix.net
Q1 2024

Who We Are



GADGETRONIX is a leading distributor of globally renowned Solar, Security & Surveillance, and Communication equipment in East Africa.

Gadgetronix was founded in Tanzania's technology industry in 2014 and is now a supplier, consultant, designer, project implementer and solution provider for various types of clean/renewable energy. We excel in our customer support services with our state of art repair centers spread across Tanzania.

Working with a team of highly competent employees, including over sixty full-time Expert Technicians, Electrical/ Mechanical Engineers, and Quantity Surveyors. Gadgetronix has been able to specialize in a variety of areas, including Energy Solutions, Water Solutions, Security Solutions and Telecommunication Solutions.

Gadgetronix represents several well-known International companies in their pursuit of developing, testing, and promoting clean energy water, security and communications technologies. We have spearheaded the advancement of communication infrastructure in rural and remote areas of Tanzania, delivering clean power solutions throughout Tanzania and across East Africa.

As the foremost provider of fiber optic technology to Internet users in Tanzania, our extensive experience in the market is evident. With a portfolio boasting over 1200 + successfully executed projects within Tanzania, our unwavering commitment is to consistently provide an exemplary customer service experience.





Where We Are



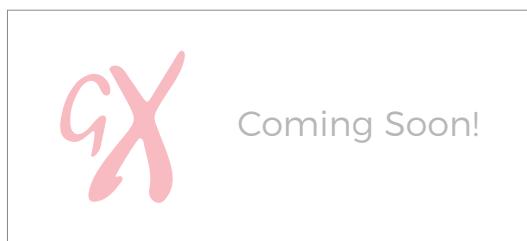
GadgetroniX Head Quarters

Old NSSF Building, Behind Manji's Metropole, Arusha, Tanzania.
+255 677 061 468 / +255 677 146 654



GadgetroniX Warehouse

HPVC+V85, Njiro Road,
Arusha, Tanzania.
+255 677 146 654 / +255 677 061 468



GadgetroniX Zanzibar

Plot 559, Nyerere Road,
Along Airport Road, Kiembe Samaki,
+255 677 146 654 / +255 67 7061 468



GadgetroniX Dar Es Salaam

Corner of Nkrumah and Swahili Street,
Dar es Salaam, Tanzania.
+255 620 602 009 / +255 620 007 170



GadgetroniX Njiro Complex

Showroom Ground Floor, Shop #2, Njiro Shopping Complex Arusha, Tanzania.
+255 677 146 654 / +255 677 061 468



GadgetroniX Nairobi

Vishnu Industrial Park, Plot LR No. 2/10728 Ruiru`
Along Thika Super Highway
+254 722 116 007



What We Do

⚡ Energy Solutions



1. Off-grid Solar / Grid Tie Solar
2. Battery-Powered Backup Systems
3. Solar Refrigeration
4. Power Generators
5. Hybrid Systems
6. Portable power solutions



Benefits of Solar Energy



Saves Money

Tired of paying Electricity Bills? Solar energy provides a free source of electricity with no monthly bills.



Reliable Electricity

No more power cuts and blackouts. With solar power you can have 24 hour access to power with no interruptions.



Access Everywhere

Solar power can be connected to your home or business in any location, no matter how remote.



Saving the Planet

Solar power generates no toxic emission & clean energy without depleting the earth's supply of fossil fuels.

Energy Solutions



OFF-GRID SOLAR

We provide turnkey renewable energy and power solutions to homeowners, businesses, organizations and institutions from 500W - 2MW. Partnering with world-renowned brands for the sales and services that we offer, you are guaranteed a prompt and efficient after sale service.



BATTERY-POWERED BACK-UP SYSTEMS

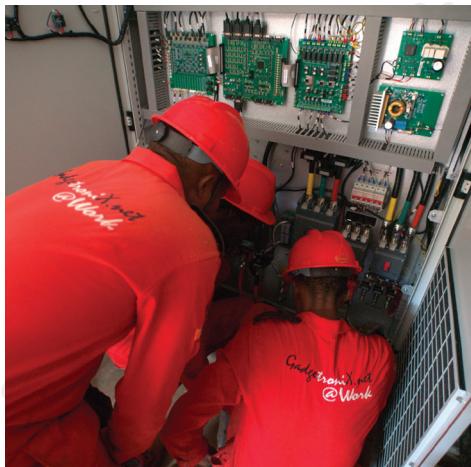
We provide power back-up to homes and offices for almost an indefinite period of time, keeping you safe and productive during power outage scenarios. The back-up unit is constantly connected to your utility power grid which ensures the batteries are fully charged and ready to power your house. When your utility power grid falters, the back-up power system is automatically switched on via a transfer switch and an inverter.



HYBRID SYSTEMS

Our Hybrid solar systems are designed for both grid-tied and off-grid solar power systems. They combine the functions of a grid-tied inverter and a battery charger in a single unit, making them a versatile and flexible solution. Hybrid inverters can optimise the power output from solar panels, store excess energy in batteries, and provide backup power during outages.

They offer the convenience of grid-tied systems with the security of off-grid systems, making them an ideal choice for homes and businesses that want to be self-sufficient while still having a connection to the grid. Hybrid solar inverters are a cost-effective and environmentally friendly solution for those looking for energy independence and reliability.



PORTABLE POWER SOLUTIONS



Our portable power stations are the ultimate solution for your off-grid & home power needs. Whether you're camping in the wilderness, working on a remote job site, or experiencing a power outage at home, our power stations provide reliable and portable power for all your essential devices and appliances.

Our power stations feature high-capacity lithium-ion batteries, advanced power management systems, and multiple AC and DC outlets for powering a variety of devices. They're also lightweight, compact, and easy to transport, so you can take them with you wherever you go.



Our Products

Energy Solutions

Solar Panels

Lithium Ion Batteries

Portable Power Solution (Ecoflow)

PV Grid Tied Inverters

Inverter Chargers

Solar Charge Controllers

Remote Monitoring

Solar Fridges and Freezers

Power Generators

Hybrid Inverters

Deep Cycle Lead Acid Batteries

DC -DC Converters

EV Chargers



Energy

[Scan Code to View all]

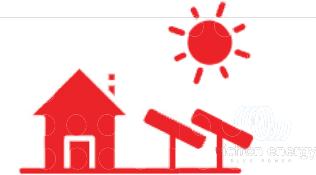


Inverters / Inverter chargers
Hybrid inverters /
PV grid tied inverters



1,500+

Solar Power Plants Installed



11MWP+

Projects Installed



959MWh+

Electricity Generated Since 2014

JASOLAR



6MWh+

Battery Storage Installed

Lithium ion / Lead acid
Batteries



Completed Projects

KUBU KUBU TENTED LODGE

Client: Tanganyika Wilderness Camps

Client type: Hospitality

Project Category: Battery Storage, Off - Grid Solar, Remote Monitoring

Location: Serengeti

Solar Array: 212.55 kWp Photovoltaic panels

Service Provided: Hybrid inverter system & Power backup Solar Solution

Off-Grid and Battery Storage

The Solar Power System runs the entire lodge including the laundry area, water pumps, and staff area.

The system comprises the below:-

- 212.55 kWp of Photovoltaic panels
- 400 kWh of battery storage
- 2 x ATESS HPS 100kW hybrid inverter charger
- The system is also remotely monitored using ATESS Enerlog.



KIMARISHE LODGE

Client: TNS Hospitality

Client type: Hospitality

Project Category: Battery Storage, Off - Grid Solar, Remote Monitoring, Telecommunication Solutions

Location: Serengeti

Solar Array: 145.8 kWp of Photovoltaic panels

Service Provided: Off - Grid and Battery Storage

Off - Grid and Battery Storage

The Solar Power System runs the entire lodge including the laundry area, water pumps, and staff area.

The system comprises the below:-

- 145.8 kWp of Photovoltaic panels
- 320 kWh of battery storage
- 1 x ATESS HPS 150kW hybrid Inverter/charger
- The system is also remotely monitored using Atess Enerlog
- Telecommunication

We have installed internet + VOIP services in the lodge extended in ALL rooms and departments withing provisioned using fiber.



LEKULE SECONDARY

Client: Little Sun Foundation

Client type: NGO

Project Category: Battery Storage, Off - Grid Solar

Location: Tarime

Solar Array: 9.72 kWp Photovoltaic panels

Service Provided: Off - grid Solar System Upgrade & Battery Storage

Off - grid Solar System Upgrade & Battery Storage

- The system comprises the below:
- 9.72 kWp of Photovoltaic panels
- 14.4kWh of deep cycle solar batteries and 5kVA/48V Inverter/Charger.
- The system is remotely monitored which is built in EasySolar-II GX.



Hanspaul Automechs LTD

Client: Hanspaul Automechs LTD

Client type: Manufacturing Industry

Project Category: Power Backup, Remote Monitoring,

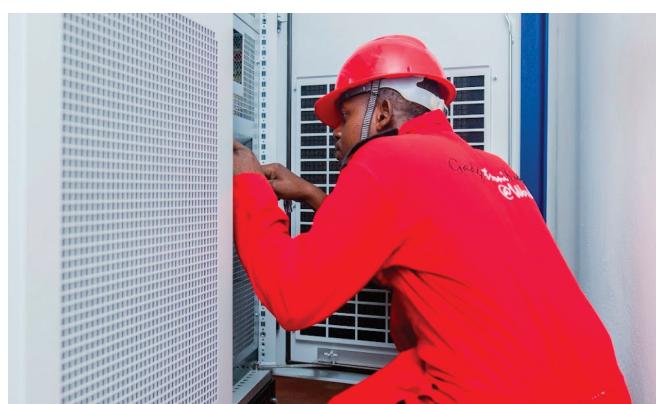
Location: Arusha

Battery bank: 40kWh of Lithium ion battery

Project Category: Battery Storage
Remote monitoring

System components

- 40kWh FreedomWon HV LiFePO4 Battery
- ATESS HPS50 110KVA Hybrid Inverter Charger
- Remote monitoring



Our Clients



Energy

[Scan Code to View all]



Remote monitoring/
Balance of systems



Portable power solutions



Solar Street lights



Generators



EV Chargers



Craters Edge (Ngorongoro)

Client: The Wilderness Collection

Client type: Hospitality

Project Category: Battery Storage

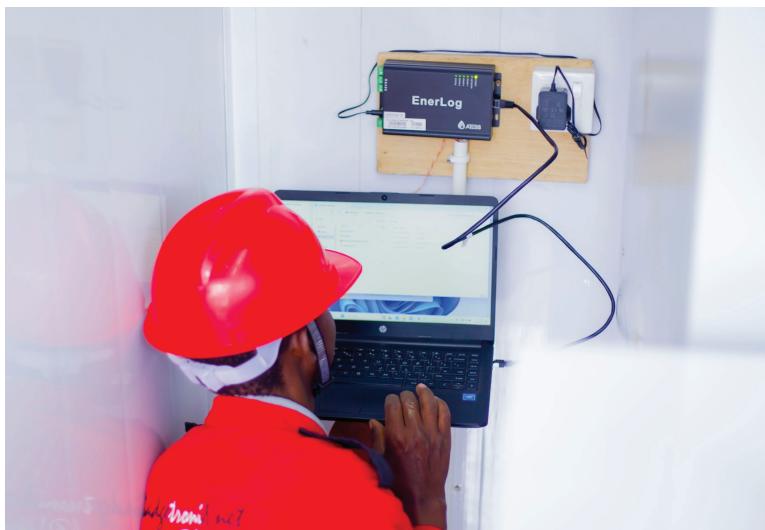
Remote monitoring
Generator

Location: Ngorongoro Conservation Area Authority (NCAA)

Battery bank: 100kWh of Lithium ion battery

System components

100kWh FreedomWon HV LiFePO4 Battery
ATESS HPS50 50KVA Hybrid Inverter Charger
110kVA Perkins Diesel Engine Generator



Friends of Haydom Norway (Haydom School of Nursing)

Client type: NGO

Location: Haydom, Manyara.

Project Category:

PV Grid Tied Systems
Battery/Energy Storage
Off grid solar system
Power Backup
Remote monitoring
Solar Water Heating

Haydom Lutheran Hospital - Maternity Ward

2 X CALPAK solar water heater 300L (closed loop)

Haydom Lutheran Hospital - Workshop Solar System Upgrade

10.8kWp Photovoltaic panels
1 X 10 kW Fronius Symo 10-3M light PV inverter

Haydom Lutheran Hospital - Street Lights

8.64 kWp Photovoltaic panels
20 kWh Freedom Won LiTE home battery
1 X 5 KVA Victron multiplus II inverter charger
1 X 250/100 Victron smart solar charger controller MPPT

Haydom School Of Nursing

6.48kWp Photovoltaic panels
15 kWh FreedomWon LiTE home battery
5 kVA Victron EasySolar II GX MPPT 250/100



SOLAR REFRIGERATION / COLD STORAGE

We supply WHO - standard vaccine refrigeration for remote dispensaries and health facilities, solar freezers and customized solar chillers for businesses. Our solutions prioritize safety, freshness, and profitability.



POWER GENERATORS

We excel in customizing backup and off-grid generator solutions, with a special focus on serving lodges, residential areas, commercial properties, and offices. Our proficiency guarantees dependable power generation precisely when it's essential.



COCOON INC/TAWIRI

Client: Cocoon Inc.

Client type: Research Organization

Project Category: Battery Storage, Off - Grid Solar, Remote Monitoring

Location: Serengeti

Completion Date: March 2023

The system comprises of the following:

- 3.24 kWp of Photovoltaic panels
- Solar Battery AES 12-2870F 11 VA 48V inverter charger
- 1 X VICTRON Multiplus 11 5 0K



Staff Off-Grid and Battery Storage

The Solar Power System runs their staff quarters including laptops, printers, water dispensers, lighting, etc.

The system comprises of the following:-

- 2.16 kWp of Photovoltaic panels
- 8.06 kWh of battery storage using AES Solar Battery AES 12-2870F
- 1 X VICTRON Multiplus-11 3.0kVA 24V Inverter charger



Bwejuu Dispensary

Client: Rural Electrification Agency (REA)

Client type: Government

Location: Mafia Island

Project Category

Battery Storage
Off Grid Solar
1 x 5kVA/48V inverter charger

Completion Date

October 2020

Solar Array

3.3 kWp

Battery Bank Storage

48 kWh of Deep Cycle Lead Acid Solar batteries

