



SOLARGEN

www.solargentechnologies.com

Who we are

SolarGen Technologies Ltd.
is a leading Energy, Water
and Irrigation solutions
provider in East and Horn of Africa.

www.solargentechnologies.com



Where we are

SolarGen has operations in Kenya, Uganda and Somalia. We also develop and implement projects across the Horn of and East African region. Our commitment is to serve individuals and communities seeking affordable Energy, Water & Irrigation solutions in some of the toughest locations.



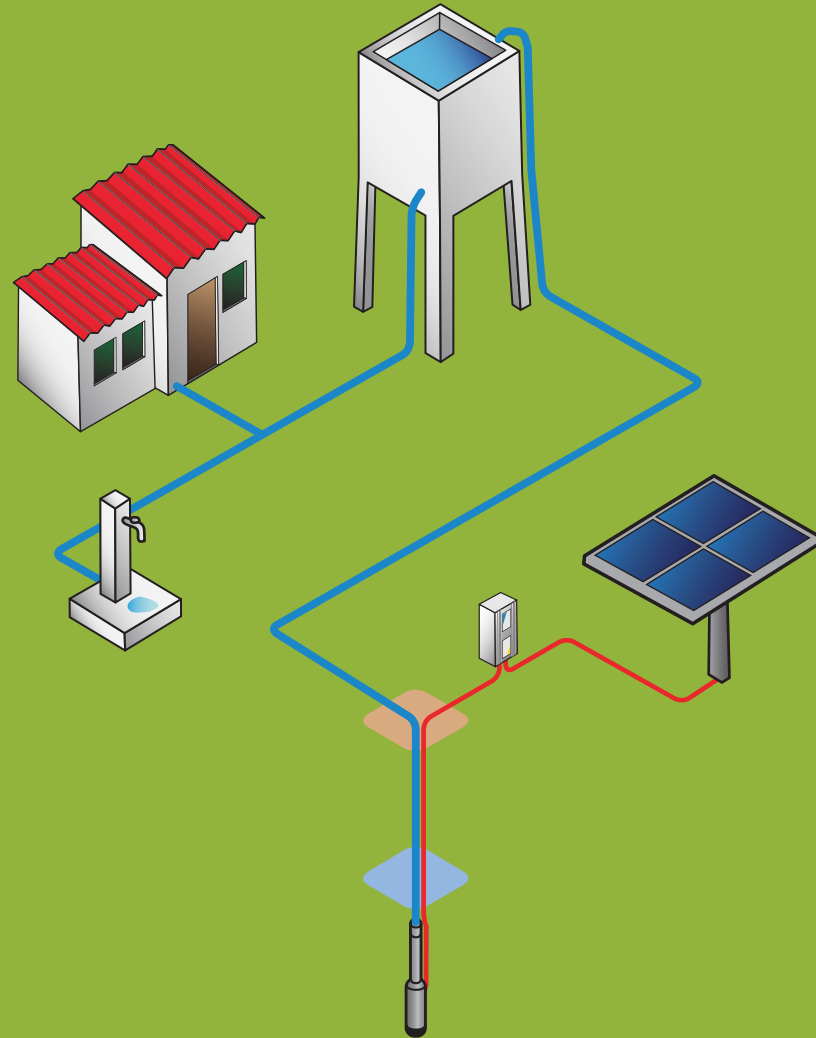
Our products

As a leading Energy, Water & Irrigation solutions and services provider, SolarGen offers a best in class combination of products integration, know-how and services. No matter what your needs are, we will create a personalized solution with our seamlessly integrated product portfolio.



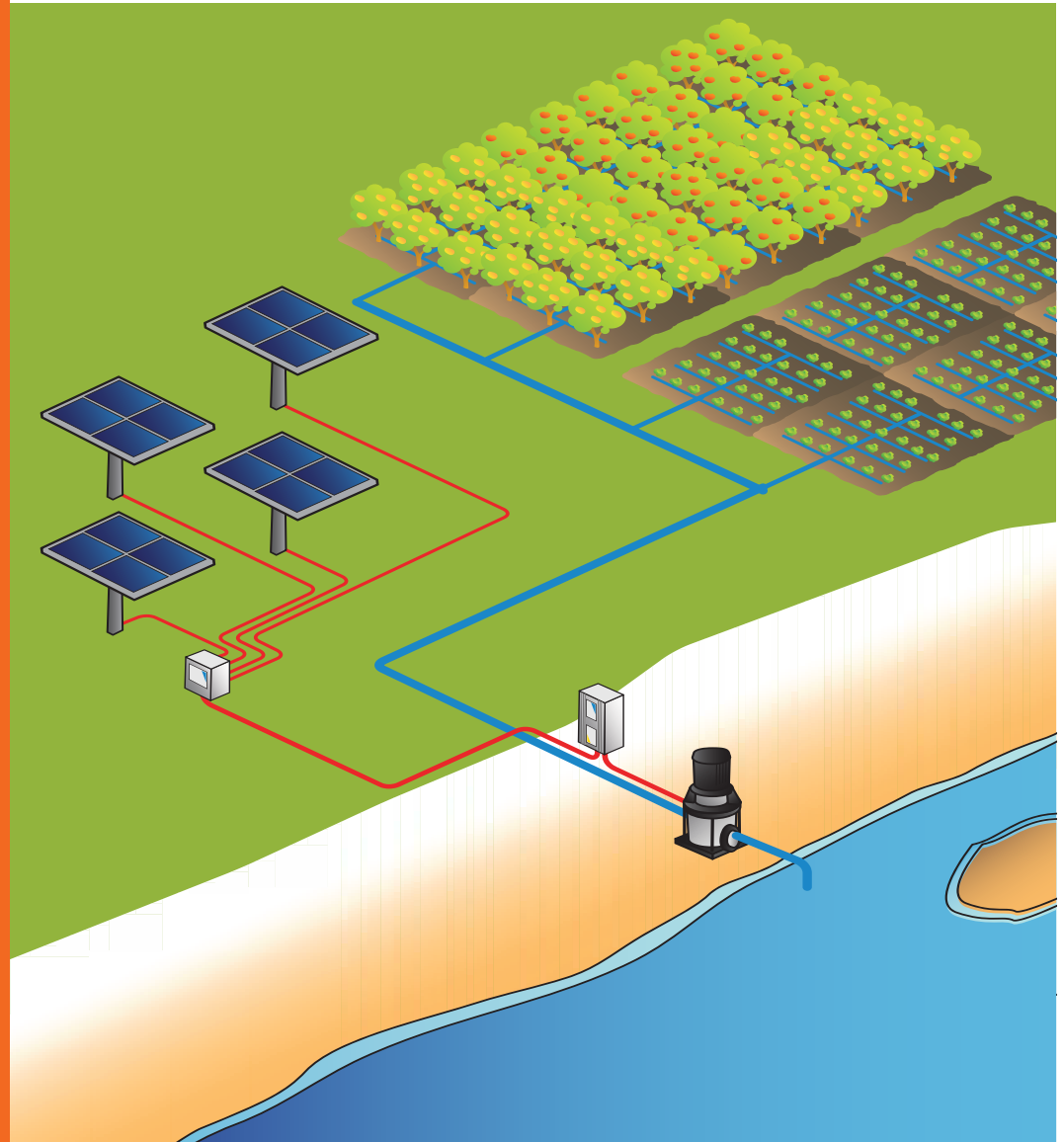
Our Solar Water Pumping Solutions for drinking water

We can solarize any borehole at any depth, providing drinking water reliably and economically to people anywhere.



Our Solar Water Pumping Solutions for irrigation






From a small plot to large commercial farms, we can help you irrigate cost effectively without fossil fuels.

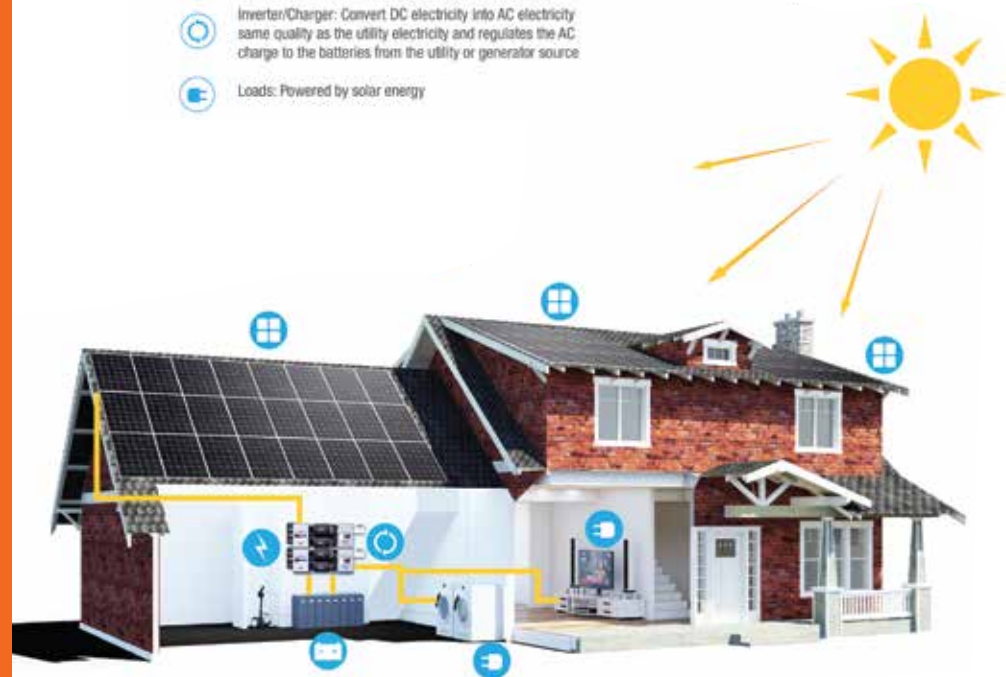


Our Off-grid Solar Power Solutions

The free and inexhaustible power of sunlight makes it a far superior fuel to power homes, businesses, and institutions. We can design a stand-alone system or mini-grid for an entire community. These solar systems are more reliable than the grid and we can help you understand the power of a solar investment, calculating your long-term savings.

SOLAR OFF GRID SYSTEM

-  Solar Panels Convert the solar energy into DC electricity
-  Charge Controller: Regulates the charge of solar electricity into the batteries
-  Deep cycle Batteries: Stores solar electricity for later use
-  Inverter/Charger: Convert DC electricity into AC electricity same quality as the utility electricity and regulates the AC charge to the batteries from the utility or generator source
-  Loads: Powered by solar energy



Our Cold Storage Solutions

SunFrost is a solar powered cold room solution that keeps perishables fresh for an extended period of time, preventing losses and allowing users to maximize the value of their produce.



Our Mini-Grid Power Solutions

Solar-powered mini-grids are an economically viable option for providing electricity in rural areas. As stand-alone systems, solar mini-grids can offer the ideal platform for integrated development solutions. They can also complement a range of humanitarian interventions.



Our Irrigation Systems

We are committed to providing high quality irrigation solutions. This forms part of our new products portfolio. Our products are tailored to suit a diverse range of irrigation needs ranging from small scale individual farmers to large scale commercial farmers with multiple plant water requirements.



Our Water Treatment Solutions

Clean water is essential across communities for healthy and sustainable living. SolarGen provides cost effective solar powered water treatment solutions for domestic and industrial use. Whether saline or muddy water, we will find the right solution for you.



Our products

Solar Panels

Our solar modules are well equipped to meet every need, no matter the complexity, or where it might be. With us you can be sure that even, after a quarter of a century, our solar modules will still meet or exceed your expectations.



Pumps

SolarGen pumps are high quality products designed for drinking water, livestock needs and irrigation systems. Our pumps deliver water anywhere – economically and reliably.



Solar Charge Controller

Our solar charge controllers are an essential part of nearly all power systems that charge batteries, whether the power source is PV, wind, hydro, fuel or utility grid.



Solar Home Systems

SolarGen distributes a range of home systems that provide lighting, charging, and entertainment to households, small and medium sized businesses.



Our products

Mounting Structure

Our mounting structures optimally support solar modules with maximum durability and consistent safety.



Inverters

No matter how big or small your desired system, we can make the most out of the available sunlight. Our best-in-class inverters offer the most reliable electronic solutions from internationally recognized brands.



Solar Storage System

Our innovative solar storage solutions keep power flowing to your sockets. By automatically optimizing and regulating the flow of solar power, a custom storage can help your solar system achieve 100% self-sufficiency on any day.



Solar Water Heaters

We source our solar water heaters from world leading manufacturers to deliver to you a cost effective hot water solution at the best price possible.



Our services



Our clients



Our partners



Our projects, Mini-Grids



Project type

SolarGen Engineered, Procured and Constructed the solar power system, distribution network and pre-paid billing services for Warsheikh village. Households, small enterprises and public facilities will benefit from the system.

Size

33.4 kWp mini-grid with 190kWh storage and 45kVA stand-by back-up generator. The system is serving 206 customers with a possibility of further expansion.

Client

Somalia Stability fund

Location

Warsheikh Village, Along the Indian ocean, Shebelle region, Somalia.

Year : 2018

Our projects, Mini-Grids



Project type

This is a hybrid mini-grid serving a settlement in Farjano, Kismayo, Somalia for returnees from the Dadaab refugee Camp, one of the biggest refugee camps in world. The system serves 100 households, a local school, a health Centre, a police post, a welding shop and market stalls among other socio-economic activities. The system is one of its kind in Somalia with the community getting 100% of its energy from Solar.

Size

Installed capacity of 40 kWp PV modules, 192 kWh storage of OPzS batteries and 40 kVA diesel generator as back-up. The streets of the settlement are lit up by 40 solar street lights.

Client

American Refugee Committee (ARC) International

Location

Farjano resettlement scheme, Kismayo, Somalia.

Year: 2018

Our projects, Mini-Grids



Project type

SolarGen designed and built a hybrid solar and diesel generator system. The system aims to accelerate access to energy while reducing the cost.

Size

100kWp Solar PV system, two diesel generators; 60 kVA and 30 kVA, SMA Tripower inverters and SMA Fuel Save controller.

Client

NIS foundation

Location

Luugh, Gedo Region, Somalia.

Year : 2018

Our projects, Mini-Grids



Project type

SolarGen designed and installed a solar mini-grid with smart pre-paid billing system. The system serves three communities living on the shores of Lake Victoria. Households and public facilities are benefiting from the project.

Size

Three mini-grids of 5 kW, 3.5 kW and 3.0 kW serving collectively 108 households.

Client

Renewable World

Location

Kiwa Island, Mirunda, and Ragwe, Homa Bay County, Kenya

Year : 2017

Our projects, Drinking water



Project type

Solarized the main borehole for three blocks of the Nyarugusu refugee camp, supporting 70,000 refugees from Burundi. The water system is centralized as it receives water from different pipelines connected to other boreholes in the area.

Size

64 kW solar system to support the pumping of 80 cubic meters per hour

Client

Oxfam

Location

Nyarugusu Refugee Camp, Kigoma, Tanzania

Year: 2017

Our projects, Drinking Water



Project type

SolarGen Designed, installed and commissioned Solar Powered systems for drinking water in Hagadera camp to support 4 Boreholes. The project was aimed at reducing the cost diesel used for pumping the water

Size

The system comprised of 3 boreholes with each 58 kWp and 1 borehole with 69kWp solar hybrid systems. All the boreholes were equipped with Lorentz remote monitoring systems.

Client

United Nations Refugee Agency (UNHCR)

Location

Hagadera camp, Dadaab Refugee camp, Kenya.

Year : 2016

Our projects, Irrigation



Project type

Solar powered pumping system for irrigation of farm in Jalalaqsi. The system produces 3110 cubic meters of water per day.

Size

35Kw Solar system

Client

Moumin Group of companies

Location

Jalalaqsi, Hiraaan region, Hirshabelle State of Somalia

Year : 2017

Our projects, Irrigation



Project type

SolarGen Designed and installed hybrid irrigation systems in Kabasa and Qansaxley Villages of Dollow District and Goodey Village in Luuq District, Gedo Region. The irrigation system covers three farms with a total area of 56 acres. This will allow farmers to irrigate cost effectively and produce high quality crops throughout the year.

Size

Total area under irrigation in the three farms is 56 acres

Client

NRC

Location

Dollow and Luuq Districts, Gedo Region, Somalia

Year : 2019

Our projects, Solar street lights



Project type

Installation of 50 Solar Street Lights across the city

Size

50 Solar Street Lights

Client

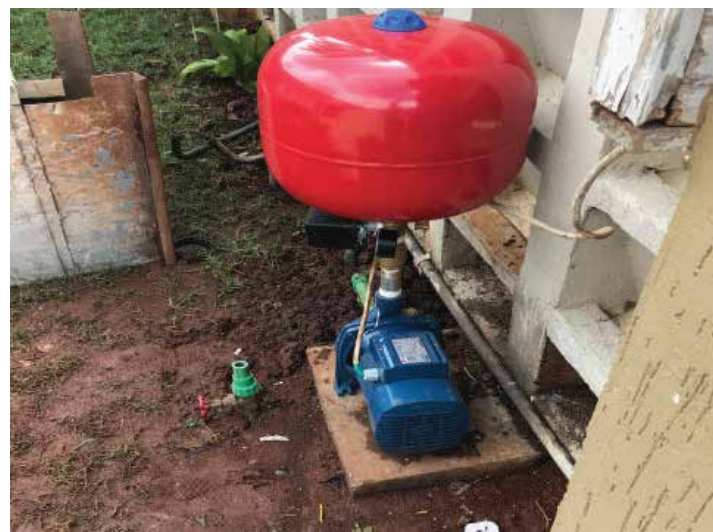
USAID's Somalia Stabilisation initiative (Babile) implemented by IOM

Location

Belet Hawa, Gedo region, Juba land

Year : 2017

Our projects, Solar water heaters



Project type

Installation of SolarGen Pressurized Solar Water Heater System on a residential property.

Size

200 liters

Client

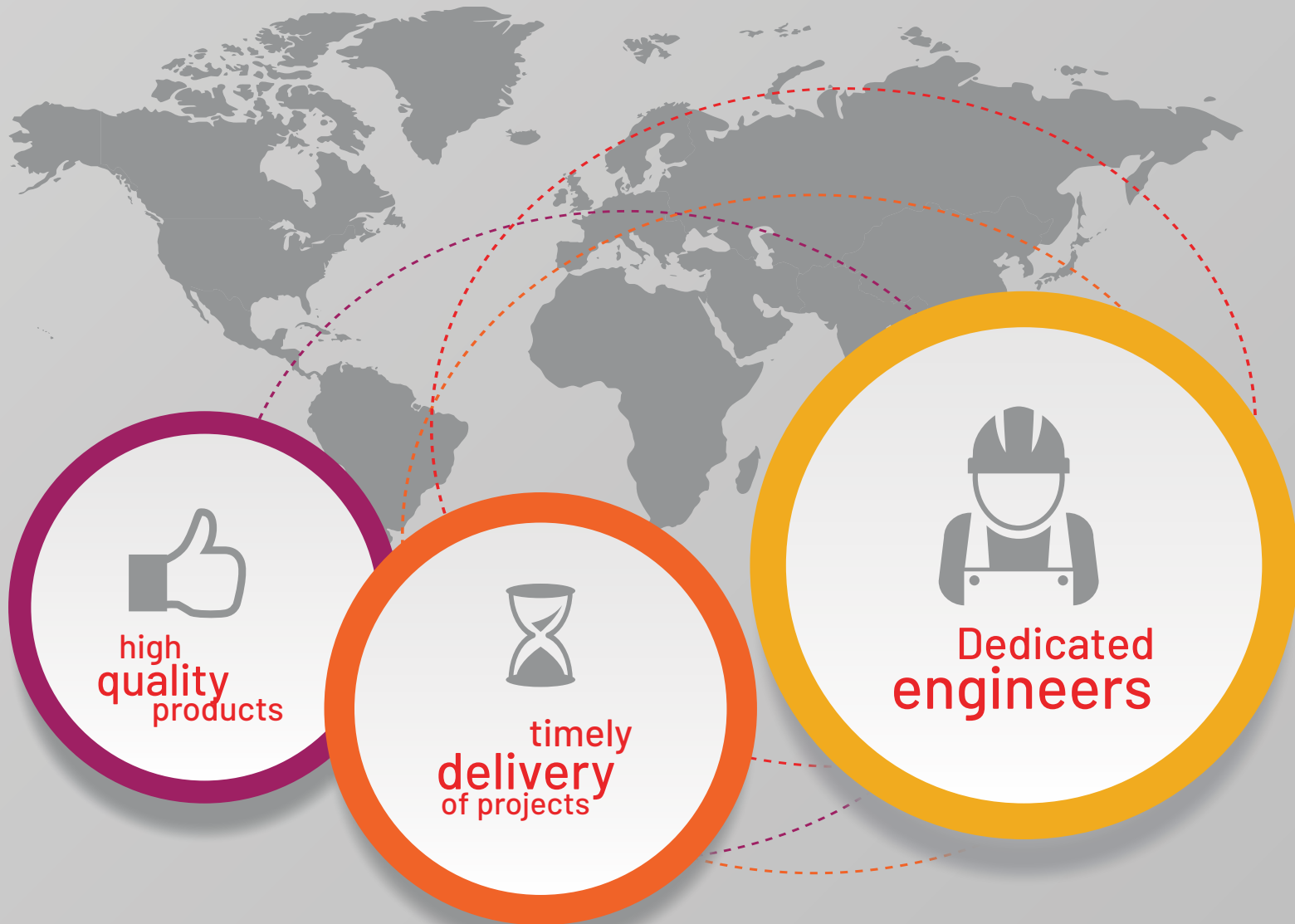
Residential home.

Location

South C, Nairobi, Kenya

Year : 2018

Why choose SolarGen



KENYA OFFICE

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ENERGY



IRRIGATION



WATER