



GE Africa and the U.S African Development Foundation

FACT SHEET: Winners of the Power Africa Off-Grid Energy Challenge

GE Africa (NYSE: GE) and the United States African Development Foundation (USADF) today announced 22 winners in the second round of their joint [Power Africa Off-Grid Energy Challenge](#). Selected from nearly 300 applicants, each winner will receive a grant of up to \$100,000 to support the deployment of off-grid solutions that put renewable resources to work to power increased economic activity.

Winners of the 2014 Off-Grid Energy Challenge include:

Ghana

- **Solar Light Company** will power Ghana's mobile phone economy by launching "Sunana", a solar powered mobile charging system designed to be used by Ghana's informal street vendors.
- **The Kumasi Institute of Tropical Agriculture (KITA)** is working with farmers to install a 20 kilowatt gasifier plant to convert the town's biomass and agricultural residue into electricity.
- **New Energy** will deploy solar-powered water pumping and purification technology to supply clean water to over 980 inhabitants of Nabogo.

Nigeria

- **Topstep Nigeria** will expand the capacity of their existing solar maize mill to 1,400 metric tons of maize per year, empowering farmers to process their crops at a competitive cost. To accomplish this, Topstep will install five processing stations near the mill; each will have three high quality milling machines powered by solar energy. The CEO of Topstep Nigeria, Ola Olawuyi, was previously a chassis expert working with the development team at Honda to successfully rollout the Honda Accord, Civic and CRV between 1995 and 2002.
- **Quintas Renewable Energy Solutions** specializes in technology development including solar and biomass generation. Quintas will develop a 500 kilowatt biomass power plant that will use the community's agricultural and forestry residue.
- **Sky Resources** will bring off-grid electricity to Nigerian villages by developing a small solar micro-grid, supplying electricity for up to 75 small and micro businesses.
- **Ginphed Nigeria Limited** will construct a bio-digester to convert animal manure into biogas to be used for electricity generation that will power local farms and agro-processing centers.

Kenya

- **Pfoofy Power and Light Limited** will develop two 10 kilowatt solar charging stations for 35 electric motorcycles, giving rural farmers wider access to transportation and new income streams. Pfoofy is the creation of Charles Omondi Ogingo, an innovative Mechanical and Manufacturing Engineering student at the University of Nairobi.
- **Boma Safi Limited** distributes solar and energy efficient products, including cook stoves. Their project will develop rural energy hubs in five Kenyan regions.
- **Kitui Industries Limited** is focused on cotton farming and processing, and has recently begun processing cottonseed oil into biodiesel. The company will supply 105 farmers with multi-purpose diesel engines that can be used to power small-scale processing of agricultural production.

- **Sollatek Kenya** has completed a variety of solar projects across East Africa. The company will work with 15 fishing communities to install solar centers in each area, providing training on solar system management.
- **SCODE Limited** sells and finances small solar home systems and stoves for Kenyans. The company provides loans to finance up to 85 percent of the cost of their products.

Tanzania

- **Space Engineering**, founded in 1991, will develop a hybrid solar-biomass power plant to generate 40 kW of electricity that will be distributed over a mini-grid to 592 households, two schools, one health center and nine local businesses that support maize and coffee agro businesses.
- **Jamii Power Limited** will expand an existing 11 kW solar-based mini-grid to 33 kW, enabling greater access to electricity within the community and provide a platform to deploy a smart metering and grid management system.
- **Lung'ali Natural Resources Company (LNRC) Ltd.** is developing the Maguta Small Hydro Electricity Power Project. Phase one of the project will provide electricity to 2,436 households, four health centers, eight schools, 32 grain mills, 25 shops and more.
- **L's Solution LTD** will build a 12 kW solar-powered mini-grid that will provide first time access to electricity for 120 households, 10 businesses, three health centers and four schools.

Ethiopia

- **Ethio Resource Group**, founded in 2005, will provide electricity and light to a rural village by installing six one-kilowatt (kW) wind turbine systems to power six micro-grids. These systems will deliver power to 300 households, 20 enterprises and one health clinic.
- **Sun Transfer Tech** will sell solar home systems to 325 rural households through an energy lending scheme, and empowering small solar entrepreneurs to sell, install, and provide after-sales service for the systems.
- **Organization for Rehabilitation and Development in Amhara (ORDA)** will construct 420 biogas-powered cooking stoves. The project will include training for all users on the proper operation and maintenance of biogas systems.

Liberia

- **Alternative Energy Inc.** will install mini off-grid solar systems to power 90 households, one school and 11 shops.
- **Liberia Engineering and Geo-Tech Consultants Company** will expand its current project to provide power by constructing a stand-alone 25 kW solar plant to serve 50 households through a mini grid.
- **Ecovillage Community Improvement Association, Inc.** will deploy a 50 kW off-grid solar power network that will power households, schools and businesses within a 1 kilometer radius for the plant.

ABOUT USADF

U.S. African Development Foundation (USADF), a public corporation in the U.S. federal government, funds African enterprises, cooperatives and community-based organizations to build capacity and expand economic activities. In 17 countries with over 350 project grants, USADF is benefiting more than a million and a half Africans. USADF operates as the only US agency exclusively centered on an African-led, grassroots development model to encourage shared prosperity. For more information on applying to the Challenge, contact OffGridChallenge@usadf.gov.

About GE

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