Powering Healthcare Solutions Catalogue
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The vast majority of healthcare facilities in low income countries – in particular in Sub-Saharan Africa and South Asia – do not have access to reliable electricity. Yet, they are expected to be at the frontline of fighting the COVID-19 pandemic.

The past five years have witnessed an ever-increasing range of technical solutions to tackle energy challenges in a more effective and efficient way. Nevertheless, most energy and healthcare providers are not aware of these opportunities.

Responding to the urgency of the COVID-19 crisis and meeting SDG7 and SDG3 require timely and strong collaboration between the energy and health sectors, drawing on their respective strengths and expertise.

This catalogue serves the purpose of connecting stakeholders from the energy and health sectors with solutions providers, to help meet the energy needs of healthcare facilities in response to COVID-19 and beyond. The solutions provided herein represent a sample of a larger group of solution providers who can contribute to addressing this challenge.

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</table>
**Solution Type**
Plug and play power system, with and without appliances
Containerized, turn-key power system, with and without appliances

**Tech Specs**
Capacity: > 1,000 W

**Target Geographies**
Sub-Saharan Africa

**Lead Time (est.)**
> 5 weeks

**Partners**
CGWIC

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**Solution Description**
ABM Global Energy is a leading British company in the off-grid products and solutions sector. We offer different applications in the off-grid space both for solar PV power and storage. Currently, we have developed a solar & storage containerised solution ideal for remote and isolated areas. This "mini solar PV farm (with storage) in a container" is a perfect replacement of diesel gensets.

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**Current Needs**
Partnerships

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**Contact Details**
Paul Smith
Technical Director

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Website: www.abmglobalenergy.co.uk
### Solution Type
Plug and play power system, with and without appliances

### Tech Specs
**Capacity:** > 10 KW

### Target Geographies
- Sub-Saharan Africa
- South East Asia
- South Asia
- South America
- Other

### Lead Time (est.)
5-8 weeks

### Partners
Non-listed

### Solution Description
The Aldelano Solar PowerPak/Generator™ is a solar power converting station that collects solar energy and converts it to usable AC power for use with virtually any electric device. These solar generators can power everything from a small home to an entire village. All units are customized to meet the electrical needs of the region and the specific needs of the customer. Models include single phase and 3 phase from 12 to 84 kWh/kVa providing from 69 to 384 kWh of daily energy output.

### Contact Details
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Chief Operating Officer  
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### Current Needs
Partnerships
BoxPower Solar MiniBox, SolarContainer Systems

Solution Type
Containerized, turn-key power system, with and without appliances

Tech Specs
Capacity: > 1,000 W

Target Geographies
Sub-Saharan Africa
South East Asia
South Asia
South America
Other

Lead Time (est.)
5-8 weeks

Partners
Non-listed

Solution Description
BoxPower’s modular microgrid systems can deliver renewable and reliable power as a cost-effective alternative to diesel generators. By pre-assembling and mass-producing our systems in shipping containers, BoxPower products help communities, governments, businesses, humanitarian and emergency relief agencies access off-grid power rapidly and provide energy resilience when power supply from the grid is unavailable or unreliable. BoxPower’s product range is scalable and can be configured to meet a broad range of use cases and applications. We’re proud to help to deliver clean, affordable, reliable energy to established and emerging markets around the world.

Current Needs
Grant funding
Partnerships

Contact Details
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Website: Boxpower.io
d.light design, Inc.

**X2000 SHS powering M100 smartphone, DCR50 medical refrigerator**

<table>
<thead>
<tr>
<th>Solution Type</th>
<th>Plug and play power system, with and without appliances</th>
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<td>Tech Specs</td>
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<td>Partners</td>
<td>PharmAccess Foundation</td>
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### Solution Description

The d.light solar healthcare bundle comprises X2000 SHS (lighting, device charging, radio, power refrigerator and testing equipment), M100 Smartphone (EMR app, communications) and DCR50 Refrigerator (vaccine storage, test samples) to provide care for the infected (with upgraded healthcare infrastructure) as well as *prevent* further infections by disseminating timely communication and information to the local public and frontline workers.

This bundle offers the following services:

- All-night lighting for 5 rooms
- Medical supplies and vaccine refrigeration
- Multi-mobile charging
- Rechargeable radio for information access
- Internet-access for communication with health authorities
- EMR sharing, maternity care and COVID contact tracing
- Task light for focused operations

### Current Needs

- Grant funding
- Equity
- Partnerships

### Contact Details

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Grants Manager

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Website: www.dlight.com
**Solution Type**
Plug and play power system, with and without appliances

**Tech Specs**
Capacity: > 1,000W

**Target Geographies**
West Africa
East Africa
Southern Africa

**Lead Time (est.)**
5-8 Weeks

**Partners**
UNDP Malawi, PS Kenya, WRI, BOS

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**Solution Description**
Differ is a value chain integrator providing turnkey energy service solutions for health facilities of any size (1-1000kWh). We integrate technology (generation, storage and appliances), supporting software and remote monitoring technology and service and maintenance (O&M) schemes to ensure sustainability for years. The technology package may also include solutions for purified water and hot water as well as medical devices – in addition to the “traditional” supply of reliable solar energy and basic appliances like lights, fridges, charging, air con etc. Hence, Differ is a one-stop-shop solution provider for electrification of health facilities. See also video from Malawi installations.

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**Current Needs**
Grant funding
Equity
Debt
Partnerships

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**Contact Details**
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Partner

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**Solution Type**
Plug and play power system, with and without appliances

**Tech Specs**
Capacity: 101-1,000 W

**Target Geographies**
Sub-Saharan Africa
Southeast Asia
South Asia
South America

**Lead Time (est.)**
> 5 weeks

**Partners**
Individual orgs for installation services in focus countries

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**Solution Description**
Dulas are the manufacturers of a wide range of WHO PQS approved refrigerators and freezers for vaccines and blood storage. Our SDD refrigerators work from solar panels without the need for batteries and use advanced PCM to maintain a constant vaccine storage temperature.

These ‘Plug and Play’ systems are designed for ease of use in challenging environments. They have Grade A freeze protection and will operate at a stable +2°C to +8°C.

With the optimal balance between solar array size and refrigerator autonomy, Dulas refrigerators are designed to deliver perfect vaccine storage conditions every day, every year, whatever the weather.

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**Current Needs**
Partnerships

**Contact Details**
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Account Manager

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Eaton

xStorage Home, xStorage Commercial and Industrial

Solution Type
Plug and play power system, with and without appliances;
Component-based power system, with and without appliances;
Containerized turn-key power system, with and without appliances

Solution Description
Microgrids are localized stand-alone power generating, distribution, and energy storage systems that can be operated independently or connected to the primary grid. They provide a reliable, efficient solution to unexpected power losses, effectively balancing variations in energy demand, optimizing energy usage for more reliable power, and reducing operating costs and carbon emissions.

Using advanced software controls to optimize system operation, microgrids dynamically shift energy loads as needed to various local power sources, (i.e. solar PV, wind, battery storage, generators, or the utility grid) to maximize efficiency and reduce costs.

Tech Specs
Capacity: > 10 KW

Target Geographies
Sub-Saharan Africa

Lead Time (est.)
> 8 weeks

Partners
Nissan (lithium ion batteries)

Current Needs
Non-listed

Contact Details
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**EM-ONE Energy Solutions**

The EM-BOX – Modular Microgrid for Health

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**Solution Type**

Plug and play power system, with and without appliances; Containerized turn-key power system, with and without appliances

**Tech Specs**

Capacity: > 10 KW

**Target Geographies**

West Africa
East Africa

**Lead Time (est.)**

5-8 weeks

**Partners**

Schneider Electric, Tesla, Various International donor programmes

**Current Needs**

Grant funding
Partnerships

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**Solution Description**

EM-ONE is an engineering, technology, and consulting firm with over 10 years of experience working at the nexus of sustainable energy and social impact in West Africa. Our proprietary solar microgrid – the EM-BOX – is a containerized, modular, and scalable solution designed to address the urgent need to electrify healthcare centers across the continent. Over the past three years, it has been successfully deployed at nearly 300 primary health centers and rural hospitals in Nigeria. These facilities have seen a drastic improvement in their ability to provide life saving care to their community both during the global pandemic and beyond.

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**Contact Details**

Karine Makhijani Malagon
Manager, Strategic Projects and Partnerships

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Website: www.emone.com
Fenix International
Fenix Power, Mobisol

Solution Type
Plug and play power system, with and without appliances

Tech Specs
Capacity: < 1,000 W

Target Geographies
West Africa

Lead Time (est.)
< 5 weeks

Partners
Paga, Interswitch, MTN, Startimes, LAPO, Solar Sister

Solution Description
Our products are Solar Home Systems of Batteries ranging from 25Wh to 730Wh, with respective solar panels ranging from 10W to 200W.
These products also have accessories which includes; Radio, fan, TV, Clipper and Woofer

Current Needs
Grant funding
Partnerships

Contact Details
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Business Strategy Associate
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**Solution Type**  
Plug and play power system, with and without appliances

**Tech Specs**  
Capacity: > 10 KW

**Target Geographies**  
South East Asia

**Lead Time (est.)**  
> 8 Weeks

**Partners**  
Suzhou JingLi Hydrogen Production Equipment Co. Ltd.

**Solution Description**  
Our H2 system is to supply 25-30kW of electricity daily (day-time usage of 15kW and night-time usage of 10kW) with a peak load of 2.88kW, comprising of solar PV panels to generate electricity, electrolyser to produce hydrogen gas. Energy is stored in gas tanks in the form of H2 gas. During sundown, H2 gas feed into Fuel cell to generate electricity for night time use.

**Current Needs**  
Grant funding  
Equity  
Debt

**Contact Details**  
Muhammad Hatta Bin Sukarni  
Managing Director 
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Website: www.cahyasuria.com
Ignite Medical Services (IMS)

**Solution Type**
Plug and play power system, with and without appliances; Component-based power system, with and without appliances

**Tech Specs**
Capacity: < 1,000W

**Target Geographies**
West Africa  
East Africa  
Southern Africa  
South Asia  
Other

**Lead Time (est.)**
5-8 Weeks

**Partners**
SpaceCom, Vocalis Health, Aspen Imaging

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**Solution Description**

Ignite Medical Services (IMS) is reshaping healthcare in rural communities across emerging countries by combining solar power and advanced diagnostic technology, tailor-made for on-field diagnosis and treatment. The IMS designed-for-solar system (DSS) provides remote health centers with reliable electricity, connectivity, and diagnostic devices; The SDS-16 conducts a wide range of blood tests to be given on the spot and allows for fast, smart and affordable detection of the patient’s condition; The energy-efficient X-ray diagnostics kit (SDS-X1) provides high-quality imaging and interpretation on the field, addressing Covid-19, TB, and emergencies. All devices are designated for the specific needs of remote medical teams, powered by solar energy and allow for remote support and guidance.

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**Current Needs**
Grant funding  
Partnerships  
Technical assistance

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**Contact Details**
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Head of Innovation

Email: gil.karie@ignite.solar  
Website: www.ignite.solar
**Solution Type**
Plug and play power system, with and without appliances

**Tech Specs**
Capacity: 1,001-10,000 W

**Target Geographies**
East Africa

**Lead Time (est.)**
5-8 Weeks

**Partners**
USAID Power Africa

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**Solution Description**
LEMA™ Off-Grid is a USA made smart solar generator. Seamlessly monitor and automatically manage your system through the LEMA™ app.

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**Current Needs**
Grant funding
Equity

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**Contact Details**
Brian Plourde
Managing Director

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Website: www.lema.io
Micergy MP2

**Solution Type**
Plug and play power system, with and without appliances

**Tech Specs**
Capacity: 101-1,000 W

**Target Geographies**
Sub-Saharan Africa
Southeast Asia
South Asia
South America

**Lead Time (est.)**
5-8 Weeks

**Partners**
USAID Power Africa

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**Solution Description**
Micergy MP2 is the most powerful Pay-As-You-Go Solar Home System designed for households and small businesses with unstable grid power supply, it can be fast charged by both solar and AC at the same time, the built-in cigarette lighter output allows end-users to power big DC appliances like fridge and freezer or small AC appliances (like AC TV, laptop etc., Max 120W) during power failure. Pay-As-You-Go technology was embedded to allow end-users to make payment by installment, rather than 100% upfront, thus making full use of every cent. Besides, we adopted advanced encryption technology to minimize the risk of illegal tamper and theft to reduce the default rate for PAYG operators. Micergy MP2 pay-as-you-go solar home system was tested according to the Quality Test Method stipulated in edition 4 of IEC 62257-9-5 and complied with the Lighting Global Solar Home System Kit Quality Standards.

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**Current Needs**
Grant funding
Partnerships

**Contact Details**
Leslie Hu
Product Manager

Email: leslie@micergy.com
Website: www.micergy.com
**OffGridBox, Inc.**

*OffGridBox (Pioneer, PAYG, DESAL models)*

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**Solution Type**
Containerized, turn-key power system, with and without appliances

**Tech Specs**
Capacity: 1,001-10,000 W

**Target Geographies**
Sub-Saharan Africa
Southeast Asia

**Lead Time (est.)**
5-8 Weeks

**Partners**
Oxfam, Progetto, Rwanda, BiziSol, UNDP Tanzania, Order Militaire et Hospitalier de Saint Lazare et Jerusalem

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**Solution Description**
The OffGridBox is a mobile and modular 2x2x2m container with 3 kWp-8kWp solar panels on the top, a water purification system inside, and a WiFi hotspot on the outside. Our unit is one solution to three problems: lack of access to energy, lack of access to clean water, and lack of access to connectivity. We provide clean water and renewable energy for households by means of battery packs, for institutional buildings like clinics and schools, and/or for productive use, like water pumping, irrigation, ice making or milling. During the COVID-19 crisis, we are stepping up our efforts to provide our services to rural clinics in developing countries.

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**Current Needs**
Grant funding
Equity
Partnerships

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**Contact Details**
Bas Berends
Chief Partnership Officer

Email: bas@offgridbox.com
Website: www.offgridbox.com
**Solution Type**
Plug and play power system, with and without appliances

**Tech Specs**
Capacity: < 1,000 W

**Target Geographies**
Sub-Saharan Africa
Southeast Asia
South Asia
South America

**Lead Time (est.)**
2-5 Weeks

**Partners**

**Solution Description**
Omnivoltaic presents a lighting solution accompanied by appliances pertinent to the healthcare sector. We offer lights ranging from 200 lumen – 1000 lumen. Appliances such as radios and television sets that are crucial in enabling access to information. A fan to provide cooling especially in hot and humid regions. A Public address system to support communication within the health facility. A phone charging unit to help health workers who are finding themselves in hospital for prolonged periods and for in-patient patients. A refrigerator for storing medicine in pharmacies, thus keeping it in good condition. All these lights and appliances are highly efficient in terms of power consumption and fitted with robust device monitoring software.

**Current Needs**
Grant funding
Equity
Partnerships

**Contact Details**
Andy Gao
CEO, Omnivoltaic Kenya
Email: andygao@omnivoltaic.com
Website: www.omnivoltaic.com
**Solution Type**
Plug and play power system, with and without appliances; Component-based power system, with and without appliances

**Tech Specs**
Capacity: 101-1,000 W

**Target Geographies**
Sub-Saharan Africa
South East Asia
South Asia
South America

**Lead Time (est.)**
5-8 weeks

**Partners**
Local solar companies, as well as local and international NGOS and Aid organizations

**Solution Description**
Phaesun provide a complete kit for solar cooling, ventilation and lighting: It includes the solar fridge Steca PF 166, two fans and two light tubes, all equipment for charging and installation. Ideal for the use in health posts and hospitals that are located far from the grid. Electric loads such as effective solar fridge, two fans and light tubes are integrated. They are served by high quality solar components (modules, batteries, solar electronics). The system runs with DC, all loads are DC loads. The kits include all necessary installation material.

**Current Needs**
Grant funding
Partnerships

**Contact Details**
Russom Semere
Technical Sales Rural Electrification

Email: Russom.Semere@phaesun.com
Website: www.phaesun.com
Plug The Sun Limited
Ray 3000, Ray 4000, Ray 6000, Ray 8000

Solution Type
Component-based power system, with and without appliances

Tech Specs
Capacity: 1,001-10,000 W

Target Geographies
West Africa
Southern Africa
Southeast Asia
South America

Lead Time (est.)
> 5 weeks

Partners
Non-listed

Solution Description
Our RAY Professional Series features a robust solar power station to run house, school, clinic and small village communities. Featuring high solar conversion efficiency, thanks to an advanced MPPT algorithm, the RAY Professional provide the maximum power output from the solar panel array and has a built-in solar battery management system, to optimize battery charging. True since wave technology inverters provide reliable AC energy consistently power a host of different appliances.

Hybrid Professional Solar Systems

Current Needs
Grant funding
Equity
Partnerships

Contact Details
Martino Criveller
Supply Chain Manager
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**Solution Type**
Containerized, turn-key power system, with and without appliances

**Tech Specs**
Capacity: > 10 KW

**Target Geographies**
West Africa
East Africa
Central Africa

**Lead Time (est.)**
2-8 Weeks

**Partners**
Jinko, JA Solar, Trina, Canadian Solar, Suntech, First Solar, Tesla, Alpha ESS, Narada, BYD, LG Chem, Tesvolt, Sonnen, etc.

**Solution Description**
PowerGen offers commercial and industrial solar PV systems with lithium-ion storage that can be integrated with existing utility power supply to improve reliability or diesel backup generators in off-grid applications. The solar PV capacity range in size from 30kW to 1,000kW, storage capacity ranges from 34kWh to 1,032kWh and can be installed in parallel to meet higher demand. The battery energy storage solutions can be supplied in 10ft, 20ft or 40ft containers and come with heating, ventilation, air conditioning and fire suppression. The systems allow for remote monitoring, have little maintenance requirements, and come with a performance warranty of 10 years.

**Current Needs**
Grant funding
Equity
Debt

**Contact Details**
Mark Wopicho, co-founder
Director of Commercial Projects
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Website: www.powergen-re.com
Ryse Energy

E-Range/G-Range Wind Turbines, Containerized storage hybrids

Solution Type
Plug and play power system, with and without appliances;
Component-based power system, with and without appliances;
Containerized turn-key power system, with and without appliances;
Individual components, either power systems or appliances

Solution Description
Resilient and reliable energy supply is essential to delivering both basic and modern healthcare services. From empowering general practitioners and clinical services to work after sundown, to powering laboratory equipment, incubators, intensive care units and the appropriate storage of vaccines, blood work and medications. To tackle these challenges in the face of Covid19 and beyond, Ryse Energy as has designed and developed plug and play, hybrid small-scale wind, solar PV and energy storage renewable energy solutions, for a truly off-grid healthcare solution, facilitating the connection of energy and healthcare, reducing healthcare poverty, and enabling global healthcare equality.

Tech Specs
Capacity: > 10 KW

Target Geographies
Sub-Saharan Africa
South East Asia
South Asia
South America

Lead Time (est.)
> 5 Weeks

Partners
Incorporated companies in Europe, Middle East, and India

Current Needs
Grant funding
Equity
Debt
Partnerships

Contact Details
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Simusolar

Solar Pumps 4 Healthcare 100
(SP4H100)

Solution Type
Component-based power system, with and without appliances

Tech Specs
Capacity: 101 – 1,000 W

Target Geographies
East Africa

Lead Time (est.)
2-8 Weeks

Partners
Non-listed

Solution Description
Rural healthcare facilities in East Africa typically have no water and so cannot maintain basic sanitation. Our solution provides year-round access to water and handwashing as well as electricity and lighting. The community will have well-lighted clinics and much better sanitation. They will have a source of water that is not contaminated, and a place where they and their medical service providers can wash hands and equipment, providing a much healthier environment for all healthcare services. Options include a SmartTAP water dispenser providing income for ongoing O&M, and/or UNOCOOL DC Refrigerator with a 200 W solar panel for vaccines.

Current Needs
Grant funding

Contact Details
Marianne Walpert
Co-Chief Executive Officer
Email: mwalpert@simusolar.com
Website: www.simusolar.com
Solution Type
Plug and play power system, with and without appliances

Tech Specs
Capacity: < 100 W

Target Geographies
Southern Africa

Lead Time (est.)
> 8 Weeks

Partners
Malawi Ministry of Health, Zambia Ministry of Health

Solution Description
This solution is the second phase healthcare response to COVID-19 in Malawi and Zambia in partnership with the respective Ministries of Health.

We are repurposing plug and play systems to power energy efficient, modern medical devices for rural health facilities – where the majority currently have no access to reliable, or any, electricity.

By incorporating the delivery of this program within our existing SunnyMoney distribution network, we will guarantee affordable Operation and Maintenance while testing revenue generation models to offset the already low cost.

Current Needs
Grant funding
Partnerships
Technical assistance

Contact Details
John Keane
Chief Executive Officer
Email: john.keane@solar-aid.org
Website: www.solar-aid.org
**Solution Type**
Containerized, turn-key power system, with and without appliances

**Tech Specs**
Capacity: > 10 kW
Storage: 10.2 kWh

**Target Geographies**
Sub-Saharan Africa
Southeast Asia
South Asia
South America

**Lead Time (est.)**
5-8 weeks

**Partners**
UNITAR, Solarworx, Groots, Nexol, Siemens Healthineers

**Current Needs**
Grant funding

**Solution Description**
Turnkey COVID-19 test lab for health personnel with 100% accuracy real-time test for infections with the COVID-19 virus. The solar powered “kit-of-parts” infrastructure solution, the E-HUBB, can be deployed within a few days. It is equipped with state-of-the-art laboratory diagnostics, molecular medicine and digital health supplied by the German leading medical technology company and solar powered with state-of-the-art storage by long life LiFePO4 batteries for night-time usage. Training of personnel on the basis of established standard procedures provided by the UNITAR. It can also test for, HIV, Malaria, Tuberculosis, Pulmonary infections, Hepatitis, Urinary infections, etc.
### Solution Type
Plug and play power system, with and without appliances

### Tech Specs
- **Capacity:** > 100 W

### Target Geographies
Sub-Saharan Africa

### Lead Time (est.)
5-8 Weeks

### Partners

### Current Needs
- Grant funding
- Equity
- Debt

### Solution Description
An autonomous plug and play solar power supply specifically designed for off grid applications in Africa and in developing countries. It is a solar panel with a battery box containing battery and electronics installed on its back. It is designed to be installed in open air (outdoor) in harsh environments (desert, tropical and maritime areas of the world). It is maintenance free with a 10 year lifespan. It is very modular, portable and robust. All components are integrated in a single water and dust tight, rust free aluminum box. Thanks to the modularity and fail safe features, the system is the ideal choice for remote health clinics, dispensaries, mobile COVID testing centers and for powering the related IT and telecom systems.

### Contact Details
**Eng. Marco Ghiradello, MBA**
Chief Executive Officer

Email: marco@solartechno.com
Website: www.solartechno.com
**Solution Type**
Component-based power system, with and without appliances

**Tech Specs**
Capacity: 100 Wp - 10 kWp

**Target Geographies**
Sub-Saharan Africa

**Lead Time (est.)**
< 2 weeks (West Africa)
2-5 weeks (East/Central/Southern Africa)

**Partners**
Solergie NV (Belgium) – Solergie SARLU (Togo)

**Solution Description**
The SolergieBox, a smart solar nano-grid solution, provides clean, reliable and affordable power (220V), in order to guarantee a continuous availability of reliable electric power for the healthcare facility (HCF). We also provide the supply of basic equipment (medical refrigerator, lighting bulbs, fans and outlets to connect other electrical equipment). To maintain the solar system, we bet on the unique feature of the nano-grid: up to 8 customers can be connected to the SolergieBox, so, in addition to the HCF, additional customers and/or a local entrepreneur can be connected, who provide maintenance of the HCF through their payments.

**Current Needs**
Grant funding
Equity
Partnerships

**Contact Details**
Bert Bernolet
CEO
Email: b.bernolet@solergie.org
Website: www.solergie.org
Solution Type
Plug and play power system, with and without appliances; Component-based power system, with and without appliances; Containerized turn-key power system, with and without appliances

Tech Specs
Capacity: > 100 W

Target Geographies
Sub-Saharan Africa
Southeast Asia
South Asia
South America
Other

Lead Time (est.)
> 5 weeks

Solution Description
1. TellCoSOL off grid system products comes with accessories like LED lights, radio FM, MP5 player, TV, refrigerators, fans and many more.

2. 100% SOLAR POWERED SMART MOVABLE HEALTH CARE CLINIC. First-Class Solar Movable Primary Health Care Clinic Container for communities who do not have access to Primary Health Care or in need of more effective Primary Health Care Facilities in Rural and Semi-Urban localities.

Current Needs
Grant funding
Equity
Debt
Partnerships

Contact Details
TellCo Europe Sales Team
Sales Management

Email: info@tellco-europe.com
Website: www.tellco-europe.com
**Solution Type**
Plug and play power system, with and without appliances

**Tech Specs**
Capacity: 101 – 1,000 W

**Target Geographies**
West Africa
East Africa
Southern Africa

**Lead Time (est.)**
5-8 Weeks

**Partners**
65 partners including UN agencies, international and local NGOs, and four health ministries

**Solution Description**
The We Care Solar Suitcase is a compact, complete, safe, institutional-grade solar electric system for maternal health facilities. This user-friendly pre-wired system contains solar panels, a lithium-ferrous-phosphate battery, a customized charge controller, break-resistant 70,000 hours medical LED lights, 12VDC and 5VDC outlets, and all installation hardware. LED headlamps, phone charging, a fetal Doppler, infrared thermometer, and rechargeable batteries are included. 5,200 Solar Suitcases have been deployed in facilities where essential medical lighting and 12VDC power are needed, both as permanent and temporary (mobile) installations. Our programs, printed guides, and training videos build local capacity in solar installation, maintenance, and servicing.

**Current Needs**
Grant funding
Partnerships
Logistics assistance

**Contact Details**
Laura Stachel, MD MPH
Executive Director

Email: laura@wecaresolar.org
Website: www.wecaresolar.org
Solution Type
Containerized, turn-key power system, with and without appliances

Tech Specs
Capacity: > 10 KW

Target Geographies
Sub-Saharan Africa
South East Asia
South Asia
South America

Lead Time (est.)
> 8 Weeks

Partners
CHIAVETTA S.r.l;
BOLLORE LOGISTICS ITALY

Solution Description
A reliable, renewable, rapidly deployable and re-deployable fully powered mobile health clinic. The clinic can be quickly and easily installed in the heart of communities, both urban and rural, and provide prevention and healthcare services close to where people live and work. An integrated solution that increases access to electricity and healthcare, the Clinic utilises proven, reliable technology designed and tested for rugged, isolated environments to create critical healthcare infrastructure. The Clinic can be shipped and delivered by truck to the remotest regions and can be installed within days.

Current Needs
Grant funding

Contact Details
Christopher Kanani
Senior Business Developer

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Website: www.winchenergy.com
Solution Type
Plug and play power system, with and without appliances; Containerized, turn-key power system, with and without appliances

Tech Specs
Capacity: > 1,000 W

Target Geographies
Sub-Saharan Africa

Lead Time (est.)
5-8 Weeks

Partners
Econet, Distributed Power Africa (DPA)

Solution Description
To power healthcare facilities with hybrid energy solutions optimized for medical equipment, build with highest (10 year) reliability standards. Ability to integrate with the grid, generator, other (AC/DC) power sources, and PV solar array. Sized to operate autonomously (off grid). Plug-and-play containerized solutions with 50kWh lithium battery capacity and 20kWp solar array.

Current Needs
Grant funding
Equity (TBD)
Debt
Partnerships

Contact Details
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