

# 01. About us

 **OffgridSun**

leading-edge technology for energy access

**100%**

**Italian  
Innovative  
Small Enterprise**



# The company

Offgridsun is an Italian SME founded in 2016 in Cittadella (PD) as a spin-off of the solar panel manufacturer FuturaSun, with the aim of improving the living conditions of people in developing countries by facilitating access to sustainable energy.

## Our mission

Our mission is to develop and supply solar & energy efficient technologies to facilitate access to reliable, clean, affordable energy to rural, offgrid communities in developing countries.

Since 2021 we design and implement internationally certified carbon offset projects in the countries where we had a previous track record with solar business.

Internationalization is at core of our business. We daily work with companies, public entities, NGOs, research institutions across the world.

# Our products

## Off-grid Solar Kits



ENERGY STATION PREMIUM  
+ PAYGO SYSTEM



### Energy Stations

Solar kits composed by 10 W pv module, rechargeable battery, 3 led bulbs, kit of charge adapters, solar torch, portable radio.

The ideal solution to assure energy access to small households in remote areas not served by electricity grid.



Product certified by the Lighting Global & awarded with Solar Impulse Efficient solution label.



### Mobile Solar

Battery-free portable rechargeable torch with FM radio and phone charger included.

### Power Box

complete kit with a portable solar generator, 30 W PV module, 12 V ports, 3 led lights, USB ports and kit cable for phone charging. The ideal solution for all the homes, campsites and even for small businesses where there is no connection to the electrical grid





# Our products

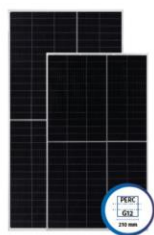
## Stand alone solar systems



Pannelli Monocristallini  
SILK® Pro  
370 - 460 Wp  
Per tutti i tipi di installazioni



Pannelli Monocristallini  
SILK® Plus  
390 - 550 Wp  
Per tutti i tipi di installazioni



Pannelli Monocristallini  
SILK® Premium  
400 - 510 Wp  
Per tutti i tipi di installazioni



Pannelli Back Contact  
ZEBRA  
N-Type IBC  
415 - 430 Wp

→ **Systems preconfigured** by OffgridSun, suitable for the electrification of off-grid buildings of various sizes (from small homes or small businesses to schools and hospitals).

→ Designing and installation of **micro- and mini-grids** to supply electricity to buildings & communities

→ Panels manufactured by **FuturaSun**, parent company of OffgridSun. High standards of quality and durability.



 **FuturaSun**<sup>®</sup>  
— *anticipate tomorrow*



# Our products

## Productive Use of Energy

**Solar pumping** to ensure stable and safe access to water in offgrid areas. Design & Installation of solar pumping systems in developing countries for the provision of drinking water to community points, schools and hospitals, irrigation systems, livestock watering systems. We apply Nastec pumps (Italian company) in our solar pumping systems.

**Cooling systems:** solar-powered cooling cells for food storage

**Food processing machinery:** grinders, mills, dryers, etc. Solar Powered

**Integrated systems:** pumping + storage + transformation. Remote control possible

# Our products

## Energy Storage



Supercapacitors are accumulators based on electrostatics principle, not on the chemical one like other batteries on the market.

These characteristics make them insensitive to damage by deep discharge, guaranteeing up to 50,000 charge-discharge cycles.

They are also safer as they do not ignite in case of failure.



- Safest technology
- Ultra long cycle life-time
- Highest energy transfer efficiency
- Easy to install
- Rarely a need for maintenance
- Charge Temperature: 0~+55°C
- Discharge Temperature: -20~+60°C
- Depth Of Discharge (DOD) 80~100%
- Suitable for parallel connection.



# Our products

Jiko Makini:  
Our clean Cooking Technology  
for developing countries



✓ Jiko Makini is a 100% product of Tanzania, design & manufactured by the local company Envotec

✓ Double fuel: it works with firewood and charcoal. Ideal for rural communities environments.

✓ Thermal efficiency certified according to international standards: 30,5% for firewood and 38% for charcoal

✓ Up to 70% of reduction in daily fuel household consumption for cooking



# Latest solar projects realized in Africa

- 2019** Zimbabwe -Dimensioning, supply and installation assistance for 16 complete solar pump systems for supplying drinking water to people and livestock.
- 2020** Uganda - Sizing, supply and shipping of two complete solar systems for health centers. Including after-sales service.
- 2021** Tanzania - Sizing, supply, delivery and installation of a complete solar system for a sunflower oil production plant. Including after-sales support.
- 2022** Liberia - Sizing, supply, shipping and technical assistance of two complete hybrid systems (PV + genset) for a public hospital and a private clinic. Total system size 324 kWp
- 2022** Tanzania - Sizing, supply, shipping and technical assistance for the installation of a 45 Kw system to power a hospital and school in the Village of Kabuku (Tanga Region) at the Usambara Sisters' Mission.
- 2022** Burundi – Designing, material supply and technical assistance to local company for the installation of offgrid solar systems in 8 health centres in rural areas.



# The team



**Nicola Baggio 43 y/o**

Founder, CEO and CTO, graduate in Aerospace Engineering at the Polytechnic university of Milan, 20 years of experience in the photovoltaic sector.



**Martina Golin 40 y/o**

Administration & Logistic Manager. 20 years of experience in financial administration, sales, procurement & logistic in photovoltaic sector.



**Fabio Zanoni 50 y/o**

Energy Engineer with 30 years of experience in design and installation of off-grid solar systems in Europe and developing countries.



**Francesco Minichiello 40 y/o**

Sales engineer & senior technician with 20 years of experience in design and installation of off-grid solar systems in Europe and developing countries.



**Eleonora Bonamico 31 y/o**

Energy engineer with 6 years of experience in design, technical support & remote controlling of electrical and solar systems



**Adams Omondi 26 y/o**

Project Officer with degree in geospatial data collection and management. Based in Kenya, in charge of carbon credit safe water access project in Siaya County.



**Raphaella Masonda, 31 y/o**

Project Officer with 10 years experience in projects administration & technical support. Based in Tanzania, in charge of carbon credit clean cooking program.



**Valentina Quaranta, 38 y/o**

Project Manager with 15 years of experience in project management in developing countries. Responsible for OffgridSun carbon credits projects portfolio.