



Off-Grid
Europe

Offering energy
independence
worldwide.

Off -Grid Europe

Christiane Kragh
CEO and co -founder



Christiane has been instrumental in shaping Off-Grid Europe into a leading provider of complex and sustainable energy solutions. Under her visionary leadership, the company has grown significantly, building a strong international team and expanding its operations.

She also serves as President of Off -Grid Africa, the company's subsidiary in Senegal, which plays a key role in their mission to deliver clean energy where it's needed most. With additional subsidiaries in development, Christiane continues to drive Off -Grid Europe's global growth and impact.

Mark Kragh
CTO and founder



Mark Kragh is the founder and CTO of Off-Grid Europe GmbH. He is an expert in renewable energy systems with long-term experience in systems engineering and design, leadership as well as data analytics.

Innovation and constant optimization of technology are an integral part of Mark's daily work.

He likes complex systems and currently focuses on the development of the Ohms Box BESS (Battery energy storage system) for commercial and industrial use as well as on a solar cooling hall, Much Cooler, for the agricultural sector.



Our Solutions

ACCESS TO ENERGY

Mini -Grids

Rural Electrification for nationwide roll-out

- Electrification of 200+ villages in Senegal
- Experienced installation teams for reliable energy in urban and rural areas
- Local steel manufacturing for solar mounting structure



Solar Home Systems

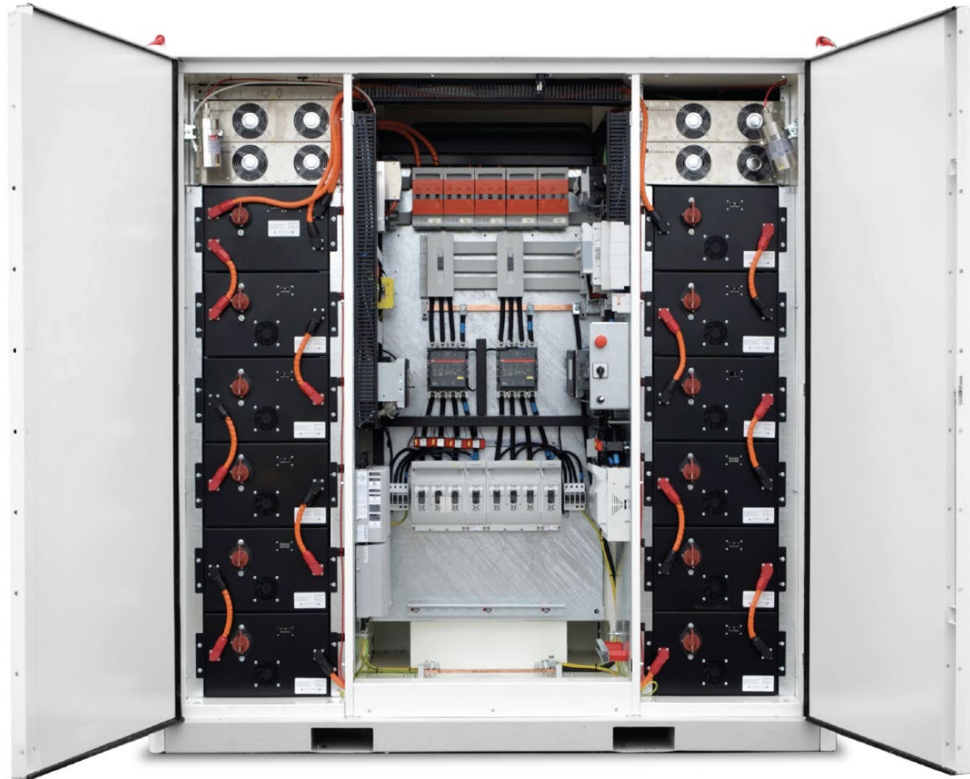
Access to reliable energy at home

- 640 Wh 12V LFP battery for lamps, tablets, mobile phones, and other applications
- Designed for emerging markets: versatile power connectors and optimized for harsh conditions
- LLM-enabled AI integration for real-time personal support
- PayGo integration for secure and flexible payment control



Designed and
Manufactured
in Germany

The Ohms Box



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What Sets the Ohms Box Apart?

265 KWh Battery Storage

Scalable to MWh capacity

100 KVA Power Conversion System

Clean, reliable power output

Built-In ATS

Grid/diesel/battery switching, no blackout loses

Built-In HVAC

Handles extreme heat, dust, humidity

Plug & Play Setup

Pre-configured. No hassle set-up.

300% Surge Ready

Powers big startup loads with ease

24/7 Remote Monitoring

Control from anywhere

Green & Clean

Prioritizes solar, slashes diesel use by up to 80%

Made In Germany

Built with precision, durability, and trust

Clients / Use Cases

Ohms Box

All-in-one BESS Solution for on - and off -grid applications

Commercial & Industry



Public sectors

Public sectors enhance sustainability, reduce carbon footprints, and ensure reliable power for critical infrastructure with grid-compatible solutions, benefiting communities and the environment.



Industrial Manufacturing

Bringing tailored efficiency and reliability to industrial manufacturing, ensuring uninterrupted operations and optimized energy usage.

Infrastructure



Grid Services

Contributing to grid services by providing flexibility, resilience, and responsiveness to dynamic energy demands, ensuring a sustainable energy future.



Rural Communities

Benefiting from reliable, sustainable, and cost-saving energy solutions, improving quality of life and economic opportunities.

Agriculture



Agriculture processing plants

In agriculture, reliable power is crucial for African farmers, and a BESS ensures consistent energy for irrigation, processing, and storage, supporting sustainable farming.



Powering the Robinson resort with 8 Ohms Boxes in Cape Verde.

Project Title: Supplies

Client: Ecoproject Cabo Verde SA

Location: Cape Verde

Date: 2024 - 2025



1.3

MWp

Installed solar capacity



1.68

MWh

Installed battery storage



Electrification of 203 villages in Senegal.

Project Title: ASER300

Client: ASER (Agence Sénégalaise d'Électrification rurale)
GAUFF Engineering

Location: Senegal

Date: 2022 - 2025



6

MWp

Installed solar capacity



25

MWh

Installed battery storage



PRODUCTIVE USE OF ENERGY

Much Cooler

Nutrition security, Food quality, Price stability

- Insulated cooling hall for reliable, round -the -clock cooling powered by renewable energy
- Storage capacity 300t to 5000t vegetables and fruit for long -term food sovereignty
- Combating post -harvest loss to strengthen local food systems and create jobs

Scalable infrastructure designed for local impact

- Complete off -grid operations with solar PV power and storage
- Patented exoskeletal metal structure for fast deployment (30x20x5m)
- R32 based cooling stack engineered for extreme environments
- For cooling temperatures of 1 -35° Celcius



Contact us



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Project Manager

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Marco Carlucci is a Project Manager for Off-Grid Europe. He has worked in the technology space for over 5 years across multiple countries and continents.

Marco is passionate about leveraging modern technology to address global development disparities, particularly focusing on access to electricity. His passion is driven by personal experience, having managed many projects on the African continent.

Questions

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