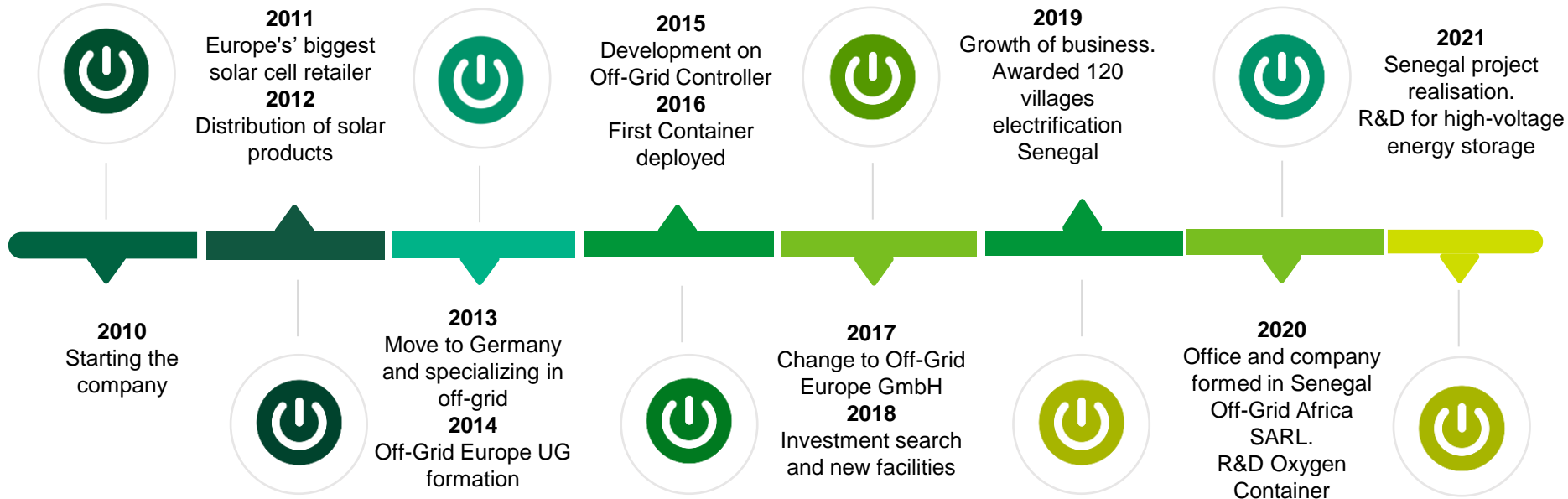


**ENERGY INDEPENDENCE? YES, WE CAN**



# The Off-Grid Europe (OGE) History

FROM SELLING SINGLE SOLAR CELLS TO PROVIDING RENEWABLE  
ENERGY SYSTEMS WORLDWIDE





## Our team

OGE WORKS WITH AN INTERNATIONAL MIX OF **EMPLOYEES**,  
**FREELANCERS**  
AND **SUBCONTRACTORS**



Christiane Kragh

CEO

Business  
development  
Administration  
Project management



Mark Kragh

CTO

Feasibility / System  
designs  
Business development  
Innovation



Becaye Khaly Ba

CEO Off-Grid Africa

Administration  
Operations  
Project management



Adnen Ouaz

Head of Business Development

- Engineering degree in renewable energy and energy Management
- 12 years international experience in project development
- Certified solar energy expert (DEKRA, Germany)
- Since 2022 developing the new Businesses for OGE



# The Off-Grid Europe Global impact

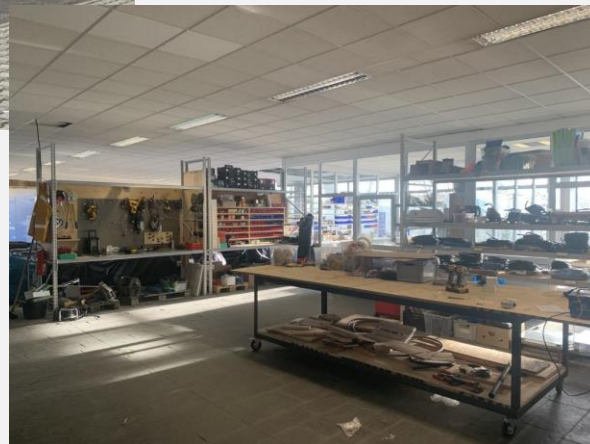
POWER CONTAINERS DEPLOYED ON FOUR CONTINENTS  
COMPONENTS AND SMALLER OFF-GRID SYSTEMS ON FIVE CONTINENTS





## Our offices Germany

1600 m<sup>2</sup> HALL SPACE







 **FF-GRID AFRICA**  
an Off-Grid Europe company



Our offices  
**Senegal** 

1000 m<sup>2</sup> HALL SPACE  
1200 m<sup>2</sup> YARD



# Off-Grid Europe

## End-to-end Services



### Planning

Evaluation  
Analysis ROI  
Design  
Finance



### Manufacturing & Production

Containers  
Electronics  
Structures



### EPC

Equipment  
Procurement  
Construction  
Rapid  
Installation



### Training

Local  
Engineers  
Local  
Electricians  
Knowledge transfer



### Logistics

Packing  
Shipping  
Distribution



### Monitoring & Control

Monitoring  
Maximum lifetime  
O&M



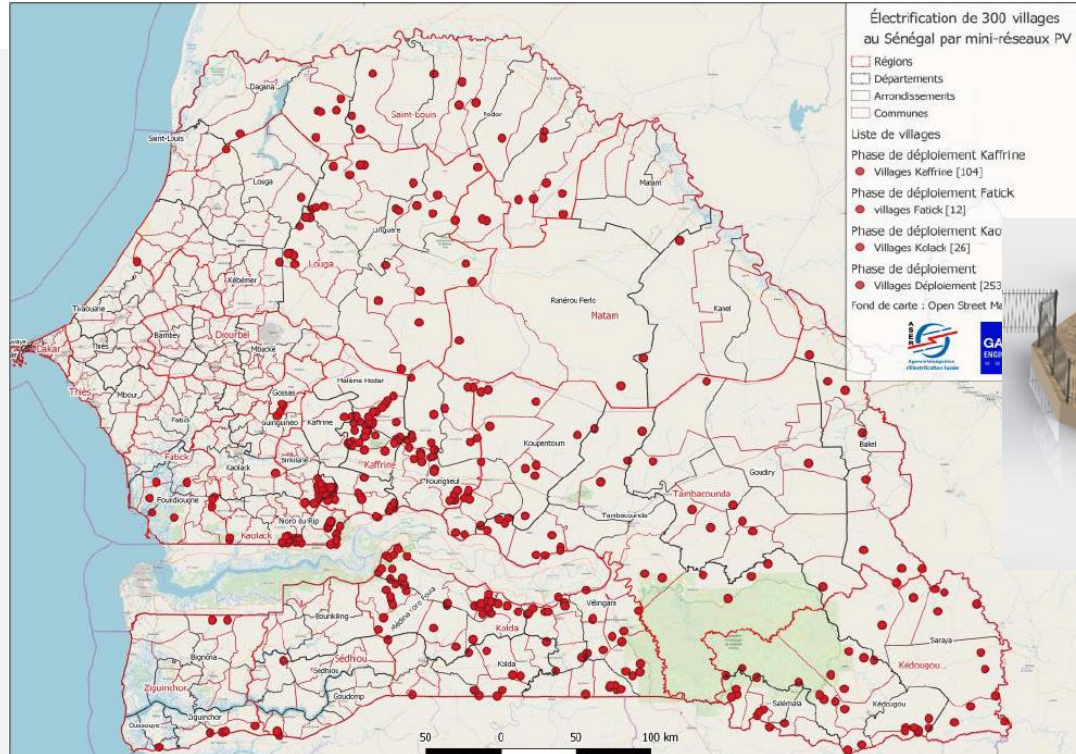
### O&M

Operation  
Maintenance  
Securing  
ROI

**Continuous research and development and product iteration**



## Design, Procurement, Construction and Commissioning 150+ Villages in Senegal





Engineering, Procurement and Construction  
in Germany



## FLAGSHIP PROJECT

Finished System  
ready to supply renewable electricity to the village



# Solar Home Systems

## OGE energy access challenge



3D Model



Prototype

### Plug-and-play

Small DC solar systems enable energy access and **connectivity at a household level**

Provide **light and mobile phone charging** over Pre-paid system

Two Models developed:

- **SHS** is 50Ah (640Wh/day\* 0,8 DOD)
- **SHS+** is 100Ah (1280Wh/day \* 0,8 DOD)

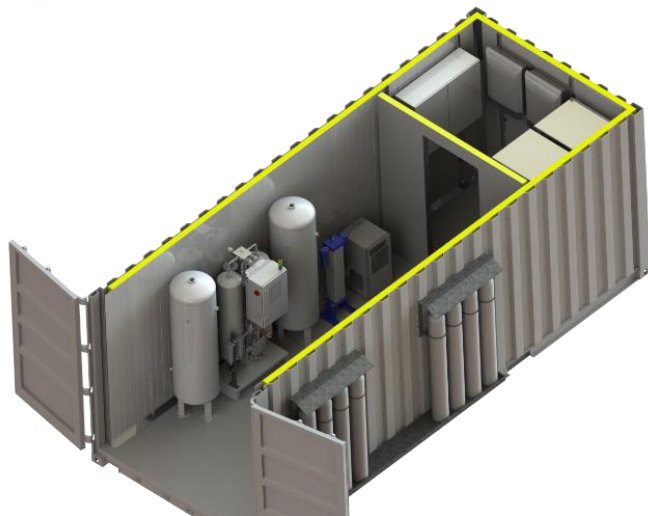
Impact on **access to education, information and business opportunities**

# Productive Use of Energy Solutions



**SOLAR  
OXYGEN**

Solar powered  
oxygen generator



**MUCH COOLER**

Solar Cooling Storage Solution





‘modern energy services are  
crucial to human well-being  
and to a country’s economic  
development’

**THANK YOU**

**ADNEN OUAZ**

Head of Business Development

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