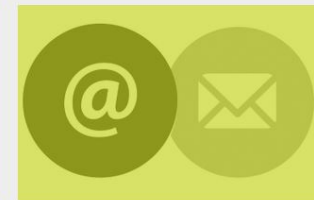


# Independent power supply for the industry, farmers and rural households

[Portfolio](#) [References](#) [Company](#) [Products](#)



**Phaesun** 



# Our motivation: Independence

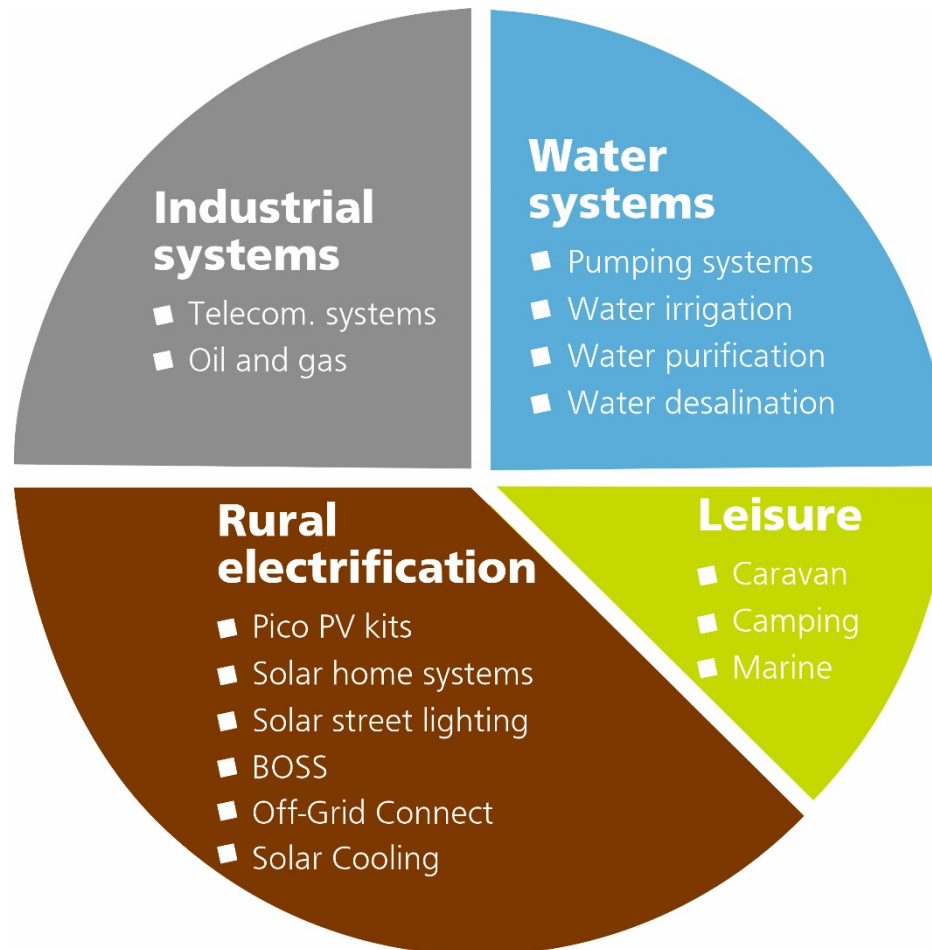


# Phaesun Key facts

- Founded in 2001 by representatives of the solar industry
- Based in Memmingen/Germany
- A team of 30 Off-Grid experts
- Comprehensive product portfolio with more than 3400 products
- International shareholder team
- Partners and projects in more than 80 countries
- Phaesun Quality Management ISO 9001-2015
- Awarded by Eurosolar, SmarterE, EnergyGlobe etc

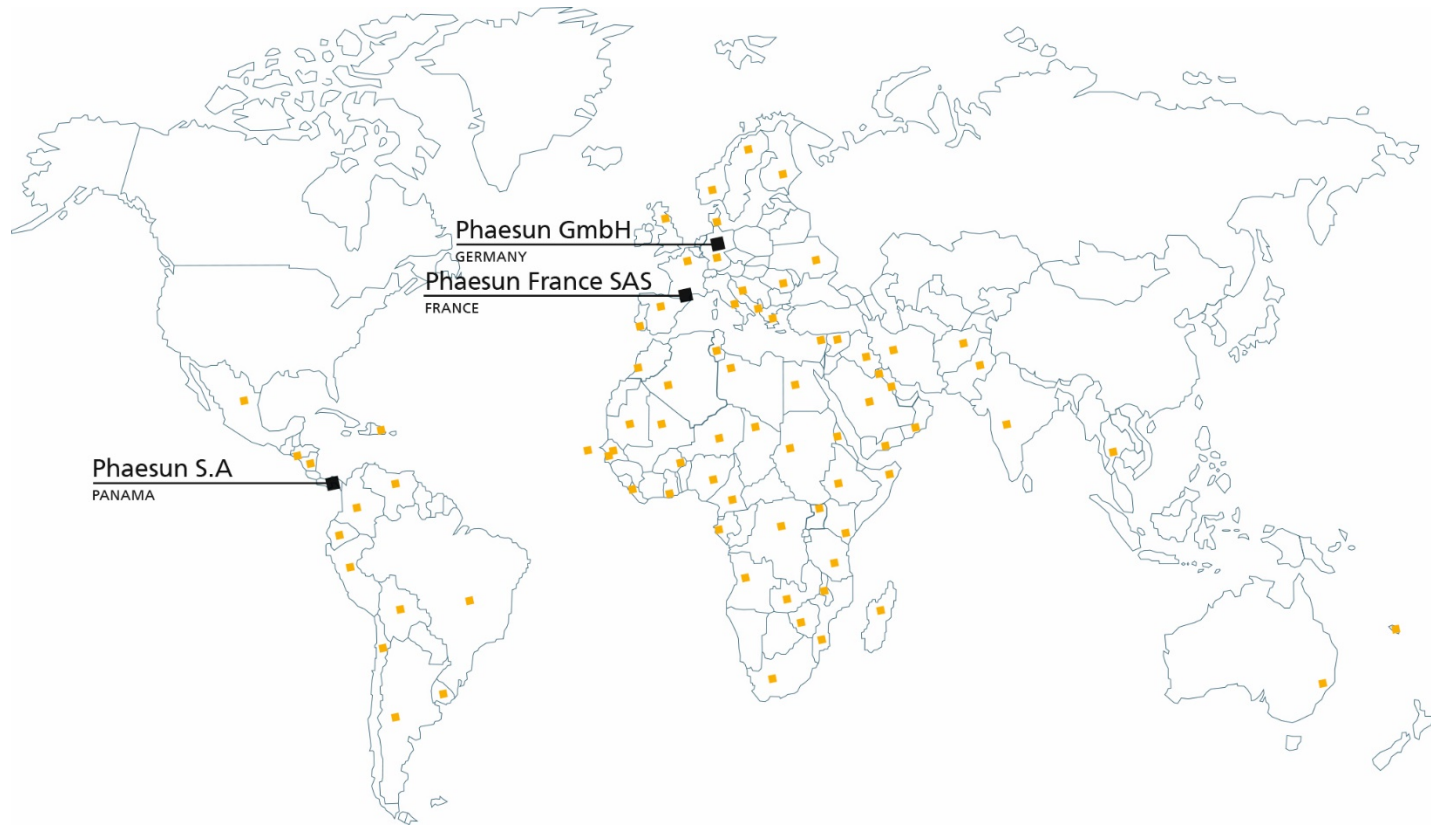


# Applications





# Partners and projects



# Portfolio



Components & Sales



Systems & Projects



Research & Innovation

# Cathodic protection for the oil industry

## **Project goal:**

- Cathodic protection for petroleum pipelines powered by solar

## **Location:**

- 6 locations in Nigeria

## **Project participants**

- AO Demarg
- Phaesun

## **Size**

- 16 kWp each to protect 5 km of pipeline

## **End-user:**

Shell Petroleum Development Company



# MTN Telecommunication Towers

## Project goal:

- Reduction of diesel by implementing solar systems (hybrid) to telecommunication stations

## Location:

- District of Abuja - Nigeria

## Project participants

- AO Demarg
- Phaesun

## Size

- 9.4 kWp

## System components

- Monocrystalline solar modules
- VRLA batteries
- Solar charger PNGM
- Phaeweb monitoring





# Rural electrification

for households, schools, health care, businesses



# SelfChill solar cooling systems

## Goals:

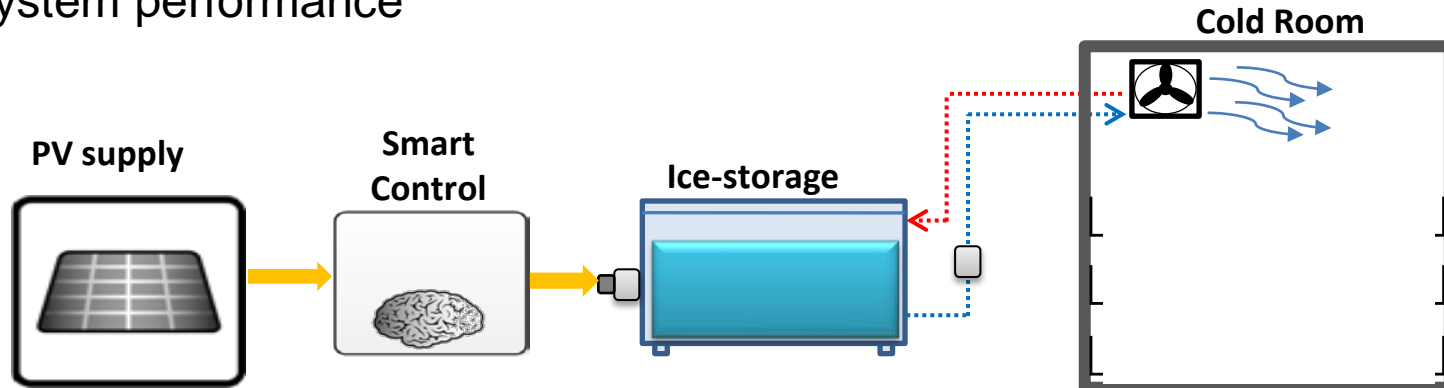
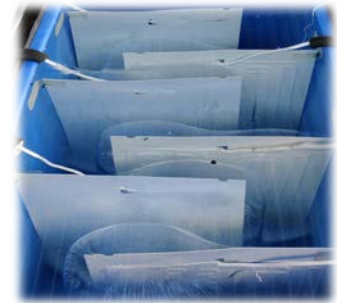
- Implementing solar cooling systems to farmers in rural areas
- Improve food quality and reduce waste of smallholders: milk, fish, meat, fruits, vegetables etc
- Low costs and added value by low transport volume and local production
- Modular concept to create a variety of cooling solutions for agricultural products



# SelfChill solar cooling systems

## SelfChill concept:

- SelfChill cooling units can be combined to small and medium scale cooling solutions
- Ice storage instead of battery storage leads to high system efficiency and lower costs
- Intelligent adaptive control unit for best system performance





# SelfChill solar cooling systems



(a) SelfChill Milk Cooling Tank



(b) SelfChill Cold Room



(c) SelfChill Ice Maker



# Thank you for your attention!

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**Member of**



Alliance for  
Rural  
Electrification

*Shining a Light for Progress*



**Deutsche Gesellschaft für Sonnenenergie e.V.**  
International Solar Energy Society, German Section