



**WENDIT GROUP**

THE TECHNOLOGY & SERVICE COMPANY

# ENERGY

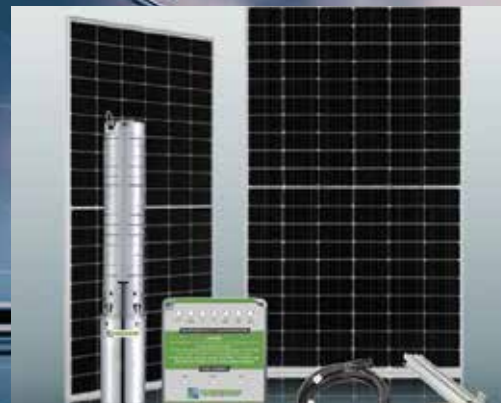
SOLAR SOLUTIONS  
for the 21st Century



OFF-/ON-GRID  
solar solutions



Solar  
container solutions



Solar kits  
and products

# Arguments that speak for the cooperation with WENDIT ENERGY

## 1 Advice and knowledge transfer

Thanks to our comprehensive know-how in project planning and project handling, we advise our customers professionally, competently and purposefully in the run-up to an order in order to achieve maximum plant availability.

## 2 Location, needs and feasibility analysis

Due to our experience in smart energy solutions and our locations in Africa with local experts, we are able to analyse projects of any size in advance on site to find the best solution.

## 3 Project planning and technical planning

Are you planning an effective and future-proof solar photovoltaic system or do you need a mobile solar solution? Then you should talk to us. We project and plan your requirement individually tailored to your project.

## 4 Construction and mechanical processing

Our experienced development and design team develops special solar components such as mounting brackets for roofs and open spaces, solar canopies for container systems and much more. Production is carried out under our direction, professionally and on schedule, from a single source.

## 5 Procurement, transport and personnel management

As an established and long-standing cooperation partner for municipal and industrial projects in Africa, the procurement of quality products and transport is a matter of course. We also provide German and local skilled personnel.

## 6 Assembly, project and construction management

Due to our comprehensive preparatory work in container fitting, assembly times on site are kept to a minimum. The project and construction management is carried out by us or under our direction in the sense of our clients with the greatest possible protection of the existing infrastructure.

## 7 Deadline monitoring and quality management

As coordinators, our project managers are regularly on site and ensure regulated work processes, adherence to deadlines and compliance with health and safety regulations as well as the quality of all trades.

## 8 Installation and commissioning

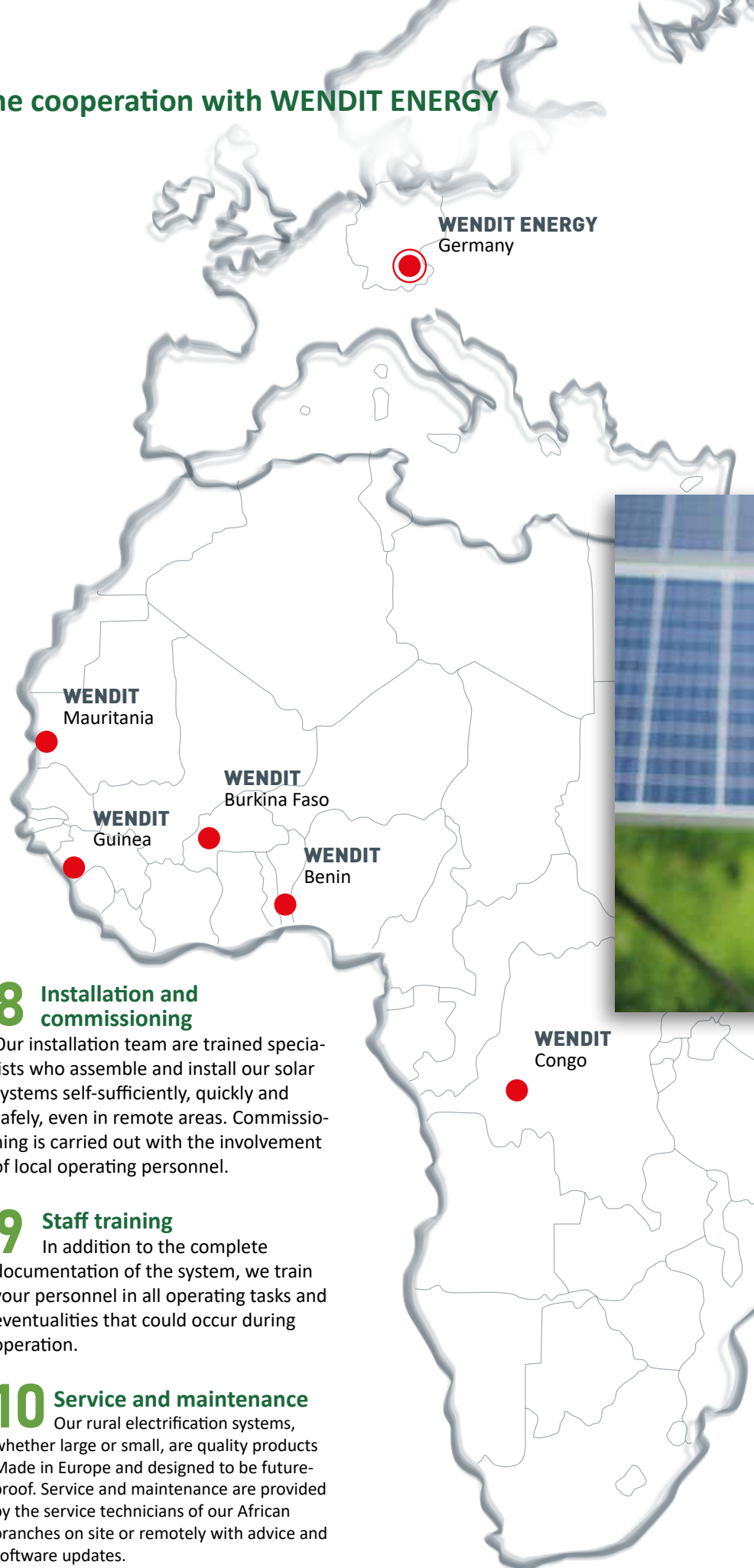
Our installation team are trained specialists who assemble and install our solar systems self-sufficiently, quickly and safely, even in remote areas. Commissioning is carried out with the involvement of local operating personnel.

## 9 Staff training

In addition to the complete documentation of the system, we train your personnel in all operating tasks and eventualities that could occur during operation.

## 10 Service and maintenance

Our rural electrification systems, whether large or small, are quality products Made in Europe and designed to be future-proof. Service and maintenance are provided by the service technicians of our African branches on site or remotely with advice and software updates.



# SOLAR COMPLETE

## Stationary and mobile solar solutions from a single source

The ever-increasing demands for GREEN ENERGY not only challenge politicians and municipalities, but also increasingly companies from the production, service and agricultural sectors.

## Well planned for the requirements of the future

Whether it is a complete system or individual components - our solar solutions are oriented towards the needs of our African customers and have grown over the years. Their wishes come first. Trust, partnership and reliability form the basis of our business relationships.



## WENDIT ENERGY Solar Solutions

The WENDIT GROUP Technology & Service Company, based in Regensburg / Germany, is the established and long-standing cooperation partner of German / European companies for industrial and municipal projects in Africa. In the business area ENERGY we have specialised in the project planning, engineering and construction of large and small solar projects. The smooth interaction between sales, engineering, procurement management and quality-conscious project implementation has grown over many years. Our highly qualified employees in Germany and Africa ensure that we can complete every order quickly and on schedule.

For the realisation, we rely on an optimally developed, proven Europe-wide procurement network with innovative solar products.

**You too can benefit from WENDIT ENERGY SOLAR Solutions!**



# GREEN ENERGY Solar solutions

## for municipalities, infrastructure, businesses and agriculture

Thanks to our Europe-wide proven partner network with practice-oriented solar products of the latest generation, we are „Open for Everything“. We have specialised in the self-sufficient, economical and secure supply of electricity in rural areas. Here we realise efficient stationary OFF-GRID systems of all sizes as well as a wide variety of solar products such as solar kits for individual applications like heating, cooling, lighting, construction machinery and hand tools as well as water supply with solar pumps.



# We project and implement smart solar solutions of all sizes OFF-GRID and ON-GRID

## WENDIT OFF-GRID Container systems

Our container systems are specially designed for use in rural areas. Mobile, they provide a secure power supply for long-term municipal use or temporarily on construction sites. The containers are fully equipped individually before transport by sea and can be put into operation immediately on site after the solar modules have been installed. This saves assembly time and costs.

### Advantages:

- Completely furnished ready for dispatch
- Individually equipped with control and monitoring devices
- Any navigable container size
- Truck transport to the place of use
- Installation of the solar panels by our own installation team
- Immediately ready for use



### Possible applications:

- Autonomous power supply
- Refrigerator/freezer container
- General network support
- Construction sites
- Mining/road construction
- Hospital and disaster relief
- Everywhere where electricity is needed quickly



### Advantages:

- Completely furnished ready for dispatch
- Modules Stand and Roof System
- Individually equipped with control and monitoring devices
- PV/grid generator management for maximum yield and service life
- Container size adapted to the respective outputs from 10 to 100 kWh
- Assembly of the Power-Point by our own assembly team

## WENDIT OFF-GRID Solar Power-Point

The smart solution for permanent and mobile use for power supply or grid support. The roofing with solar panels is carried out on a prefabricated, weather-resistant aluminium frame that can be assembled on site in a very short time by our installation team. The container equipment includes all control and monitoring devices.

The container size and the roof superstructure in modular design are adapted to the outputs of 10 to 100 kWh in a space-saving manner.

- Edge computing integration
- Continuous control monitoring and load balancing in real time
- 100 percent independent of the grid
- Immediately ready for use

## WENDIT HYBRID-OFF-GRID Power supply systems

The better alternative to diesel-only backup systems. Depending on the equipment configuration and the site's power requirements, savings vary greatly at each site, but typically operating costs are reduced by 70 to 80 per cent, mainly due to lower diesel consumption by the generators and reduced maintenance costs. In addition, a hybrid solution offers significantly improved reliability and uptime.

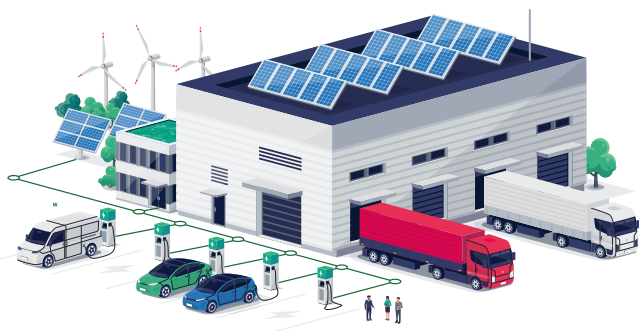


*Off-grid telecommunications site with solar, wind, diesel hybrid solution*

## WENDIT OFF-/ON-GRID Photovoltaic solutions

A photovoltaic system on the roof or on an open space of a company is a profitable investment that helps to permanently reduce energy costs. Because with self-generated solar power, the cheapest form of energy is used. Our components: solar modules, inverters, electricity storage and electricity meters are high-quality products made in Europe.

If necessary, our solar solutions can also be coupled in hybrid operation with wind power and diesel generator for support.

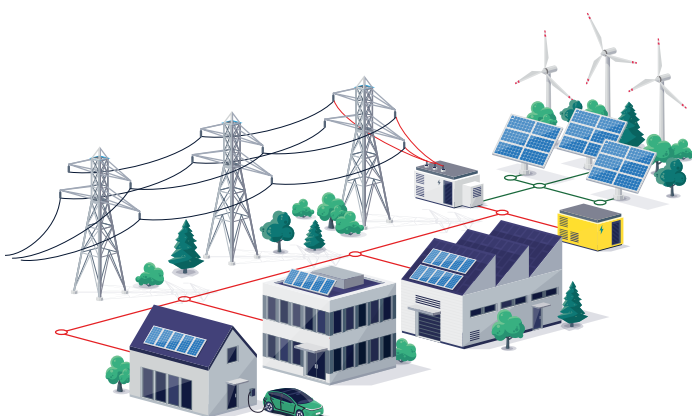
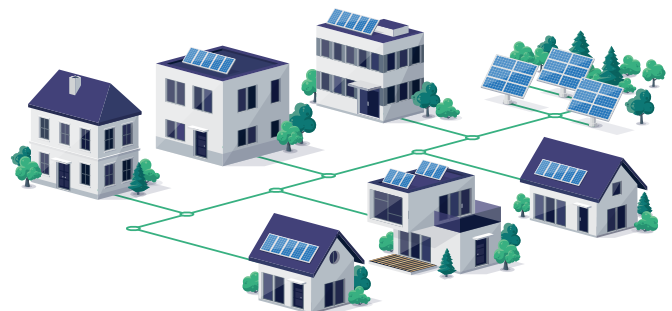


## WENDIT OFF-GRID Hybrid Solar, Solar/Wind Power Supply

This energy supply solution allows companies to choose their location independently of the grid. Depending on the plant capacity, the power supply for production, infrastructure and e-mobility is the best solution for cost savings and CO<sub>2</sub> reduction.

## WENDIT OFF-GRID Power supply for settlements and communities

Our self-sufficient energy supply systems as a purely solar solution cover large and small power requirements. The heart of the self-sufficient power supply, the energy storage module, offers sufficient storage capacity to guarantee a 24/7 power supply.



## WENDIT ON-GRID Hybrid solution for grid performance enhancement

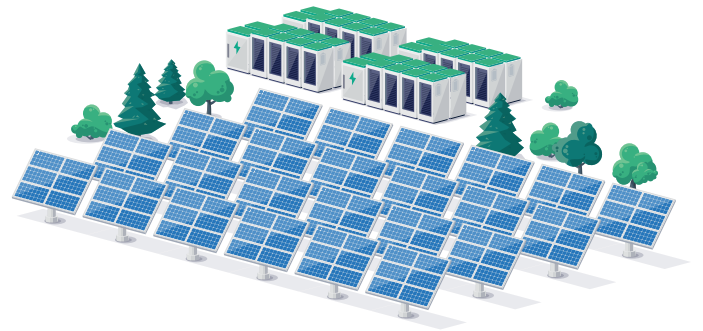
Sites that are connected to the main grid can use this solution to effectively reduce the amount of energy drawn from the grid and avoid power fluctuations. Surplus „green energy“ from solar and solar/wind power is fed into the grid, adding to the profitability of this environmentally friendly investment.



# WENDIT SOLAR POWER PLANTS

## with Container Energy Storage Modules

We plan and realise our open-space photovoltaic systems in rational module construction in all output ranges. They are designed as long-lasting yield objects for full feed-in into the grid and, if well planned, usually achieve up to 30 % higher yields



than roof systems.

Thanks to our Europe-wide competence network, we offer all solar component solutions: Panels in all dimensions, low and high frames made of steel and aluminium, solar trackers and the complete infrastructure with high-power inverters, power-dependent container energy storage modules and all feed-in, control and monitoring units.

The combination with wind power as a hybrid ground-mounted system is an energy-efficient variant.



## Assembly, commissioning, maintenance

Assembly and commissioning as well as maintenance and services are carried out by our local assembly teams under professional guidance and supervision. Thanks to the extensive preparation before shipment, the assembly is carried out efficiently in the shortest possible time.





# WE WORK WITH THE LATEST SOLAR EFFICIENCY TECHNOLOGY

and high-tech control and regulation units.

Safety, durability and energy efficiency are the prerequisites for the return on investment of a solar/photovoltaic system. We only install quality products from leading European manufacturers whose companies we know and who meet our standards for innovation and functionality.

## WENDIT High-voltage BESS for grid stabilization

With our High Voltage Battery Storage System we realize the best and most universal solution for a cost-efficient efficient, stable and sustainable energy supply. With technology we can realize projects in the MW range.

This all-in-one inverter and storage solution enables consumers to reliably meet their energy needs with „green energy“ to ensure the lowest possible cost of electricity (LCOE) for rapid payback of the electricity generation system.



# WENDIT SOLAR PRODUCTS

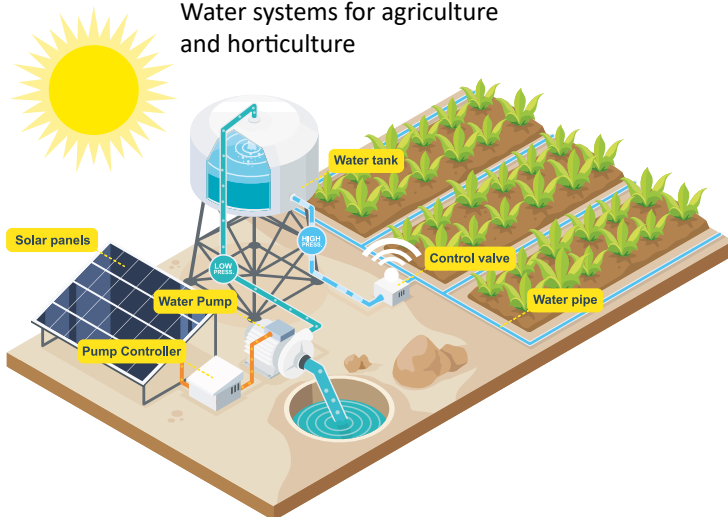
## Practical Plug and Play!

Our fixed and ready-to-use solar kits, solar water systems such as deep well pumps, pressurised and dirty water pumps, rooftop water heaters and LED lighting systems are specially designed for our African customers. With these ready-made solar components, we enable the user, private households, hotels, workshops and companies, to generate free solar energy everywhere - even in the most remote areas electricity for light, heating, cooling, water supply and much more without any problems.

On request, we also supply specially configured solar kits for special applications. Ask us!

## GREEN ENERGY

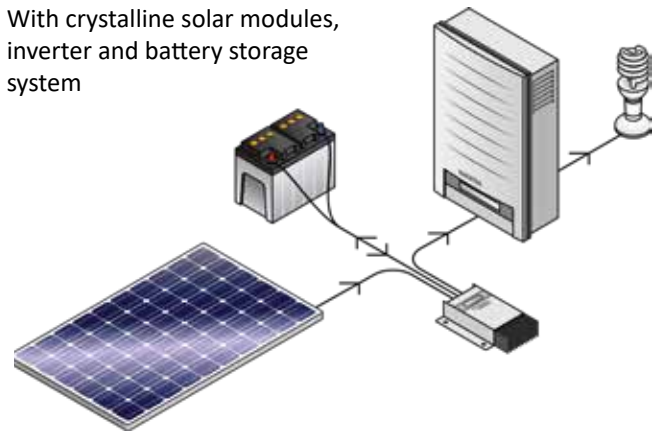
Water systems for agriculture and horticulture



## Solar power kit

for own consumption

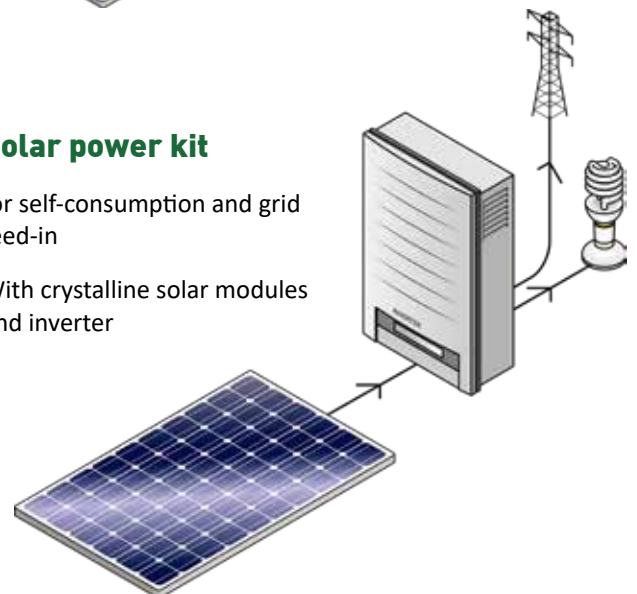
With crystalline solar modules, inverter and battery storage system



## Solar power kit

for self-consumption and grid feed-in

With crystalline solar modules and inverter



## Solar LED Lamps

Our solar LED pole lights generate their own power via an integrated solar module and store it in a powerful battery. At dusk they switch on automatically and illuminate streets, bike paths, parking lots and footpaths with stored solar energy..

In the design of our solar lamps for street lighting, parking lots, parks and gardens, we have all the options from single and multi-flame, rustic and modern, or even in special custom designs.

Delivery, and on request the assembly, are made as a lamp head with solar panel and battery or complete with pole.





## Solar Water-Heater

The simple solution to produce hot water for the kitchen, bathroom and shower.





# WENDIT GROUP

THE TECHNOLOGY & SERVICE COMPANY

**Our other business areas as a technology and service company in the cooperation of German/ European companies PRO Africa.**

Our business areas are oriented towards the needs of our African clients from politics, municipalities, companies and the trades. They have grown over the years and are now oriented towards the Sustainable Development Goals of the UN Agenda 2030.

## MINING

In the business area MINING and municipal projects, WENDIT is the global service partner for machines as well as original wear and spare parts and all accessories that need to be on site quickly for continuous operation.

## PUBLIC WORKS

As a general contractor, WENDIT offers a complete package that covers public projects from the concept, the project planning, project coordination and management as well as the necessary infrastructure.

## HYDRAULICS

One of WENDIT's domains is equipment, components and systems for drinking and process water extraction as well as low-, medium- and high-pressure hose service for construction and mining machinery.

## AGRICULTURE

For private and commercial agriculture, we procure high-quality equipment and machinery for soil cultivation, sowing and harvesting, as well as equipment for animal breeding and husbandry.

**SERVICE  
IS OUR  
STRENGTH**



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You can find out more about us and our services at [www.wenditgroup.com](http://www.wenditgroup.com)

Phone: +49 941 46573585  
E-mail: [contact@wenditgroup.com](mailto:contact@wenditgroup.com)