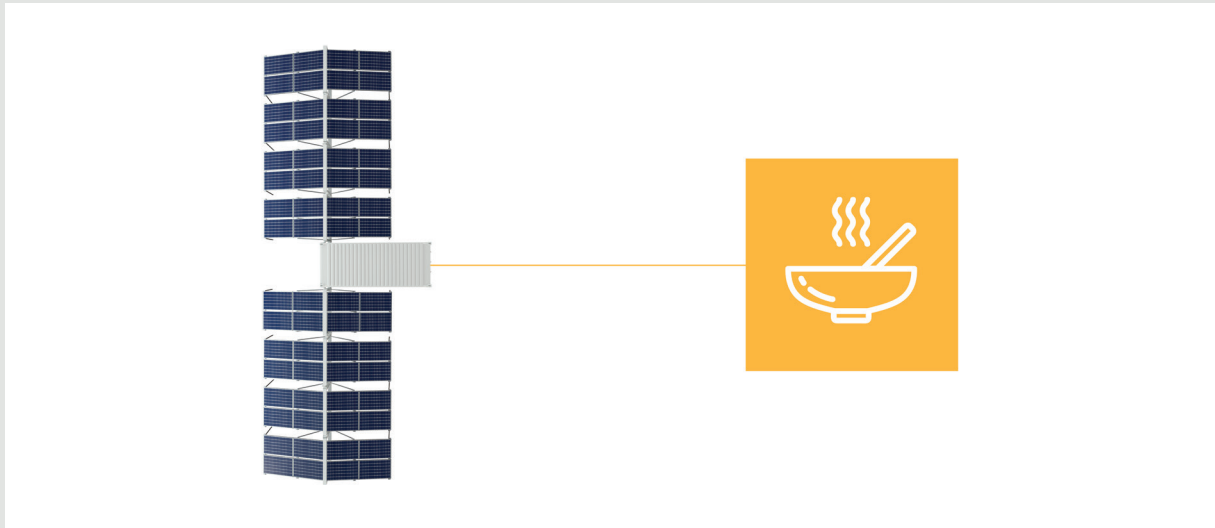


A person wearing bright orange protective gear with reflective yellow stripes is standing in a rubble-filled area. A dog is visible in the foreground, partially obscured by the person's legs. The background is hazy and shows more debris.

**Off-Grid Energy for Disaster Relief
Operations, Medical Stations and
Refugee Camps**

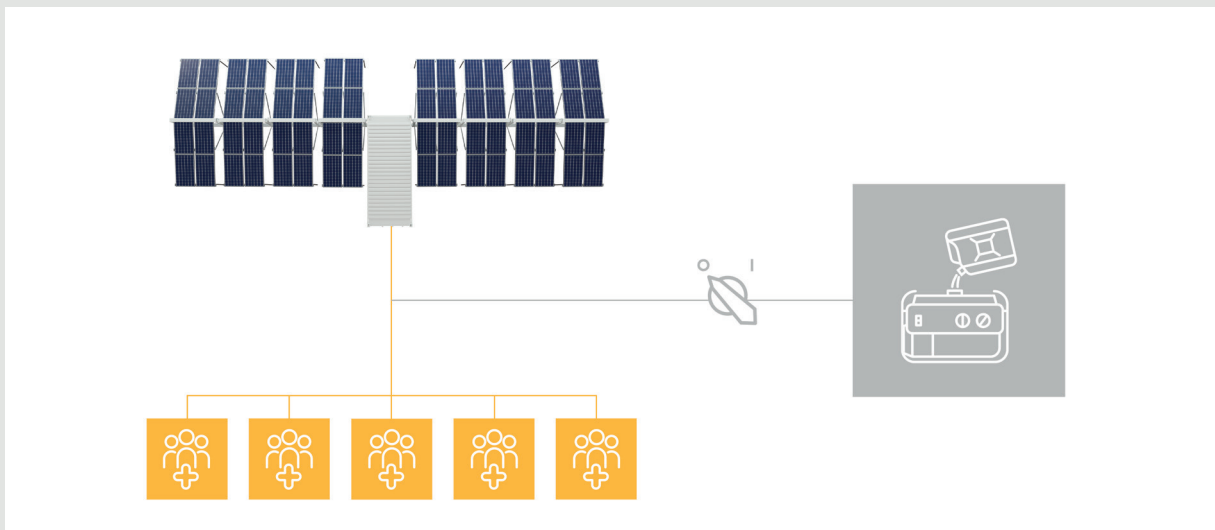
From stand-alone operation to grid integration

With the Mobile Power System from FABER Infrastructure, camp operators and aid organizations can efficiently use freely available solar energy in off-grid regions, establish a secure and environmentally friendly basic energy supply within a very short time and significantly reduce the use of diesel generators.



Establishing the basic supply via island operation

During the day, consumers are preferably supplied with renewable energy. Surplus solar power is temporarily stored in the battery storage and made available at a later time – for example, at night.



Expanding existing supply structures

The solar containers can be flexibly integrated into existing grid infrastructures. During the day, the solar power supplies the consumers directly. At night, the battery storage covers especially low load requirements, which actively counteracts operating diesel generators at low RPMs.

Ensuring a reliable power supply in off-grid regions

The Mobile Power System from FABER Infrastructure is a container-based power supply system that combines solar modules, lithium-ion battery storage and an emergency power generator as a 24/7 backup. The system is regulated by a powerful control unit to form an intelligent overall solution.



Compact all-in-one container

All components are stowed in a highly compact container system for easy transport.



Convenient plug & play design

The solar wings can be folded out and put into operation quickly and easily.



Minimum maintenance required

The high-quality components – made in Germany – are extremely robust and accessible at all times. The integrated control system guarantees reliable and comfortable plant operation.

Technical Data

- 20' container system
- 24 kWp generation
- 30 kW connected load (230/380 V)/scalable
- Lithium-ion storage/80 kWh/scalable
- 24/7 emergency power unit for maximum self-sufficiency
- Certified by TÜV
- Network-based system connection
- Energy controlling & technical support via remote access

For camp operators and aid organizations

The Mobile Power System from FABER can be put into operation quickly and safely, expanded flexibly and networked with existing technology easily.



- **Cost-efficient and environmentally friendly**

The solar container has great potential to significantly save costs and emissions compared to diesel generators. In addition, it sustainably reduces the effort needed for fuel procurement, maintenance and repair.

- **Modular and flexible**

Should the power requirements increase, both the generation and storage capacity can be subsequently expanded at any time.

The container can be used flexibly in fields that range from initial supply to integration into existing structures.

- **Installed in no time at all**

The plug & play design guarantees fast transport and rapid commissioning of the power supply. The robust, standardised components ensure maximum reliability.

- **Always available**

FABER's series production and storage design ensures that the system is constantly available. This guarantees that power can be delivered quickly even in case of short-term demand.

Innovative solutions for the energy and transport transition

FABER Infrastructure GmbH is an independent subsidiary of the leading European cable distributor Klaus Faber AG. For more than 70 years, this name has stood for energy know-how, financial strength, excellent customer service and outstanding product quality.

Since its foundation in 2018, FABER Infrastructure has concentrated on the business areas of energy and mobility. From its headquarters in Saarbrücken, the company designs future-oriented products and solutions for the international market. In doing so, FABER relies on integrated concepts that sustainably protect the environment.



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