The Solartrichter –

Mobile and efficient Energy!

GLOBAL
SOLAR SYSTEMS

OUR VISION

With the Solartrichter, (transl. Solar Funnel) we want to enable everyone, everywhere, quickly and efficiently, to get the maximum return from solar energy, even in diffuse light and little space.

OUR MISSION

Solar energy is one of the main topics of our future, but it is an extremely competitive market. Due to our manufacturer-neutral technologies, we do not get directly into this competitive crowding out.

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THE SOLUTION

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The Solartrichter can be used to avoid the current generation of electricity in remote locations by diesel generators. This ensures a reduction in climate-damaging combustion gases and lowers the costs for time-consuming transport and expensive monitoring.

Also in crisis areas where the infrastructure has been destroyed by environmental influences or wars, the Solartrichter can quickly restore an independent power supply.

Existing solutions are logistically difficult to implement and inefficent.

Crisis Regions

Construction Sites

Temporary Grids

THE SOLARTRICHTER - THE MOBILE SOLAR STATION.

The SOLARTRICHTER works independently of location in the smallest space and achieves the **maximum yield**.

The modular structure allows **quick assembly and disassembly** as well as easy transport of the system.

Thanks to an intelligent tracking system, the **system generates 40% more power** than conventional roof systems.

The Prototype with an output of 3.3 KWp and a module surface of approx. 18 m² generates up to 4.000 KWh yearly at the Cologne site. (Dependent on the Region)

BENEFITS OVERVIEW

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Plug & Play Solution

Extremely high flexibility thanks to a mobile, space-saving and location-independent system.

Quick assembly & dismantling

Assembly and dismantling as well as operational readiness possible within only 2 hours

Easily Transportable

Easily transportable and uncomplicated logistics thanks to modular structure

Maximum Efficiency

Individually expandable as required on site.
Up to 40% more efficient than conventional systems

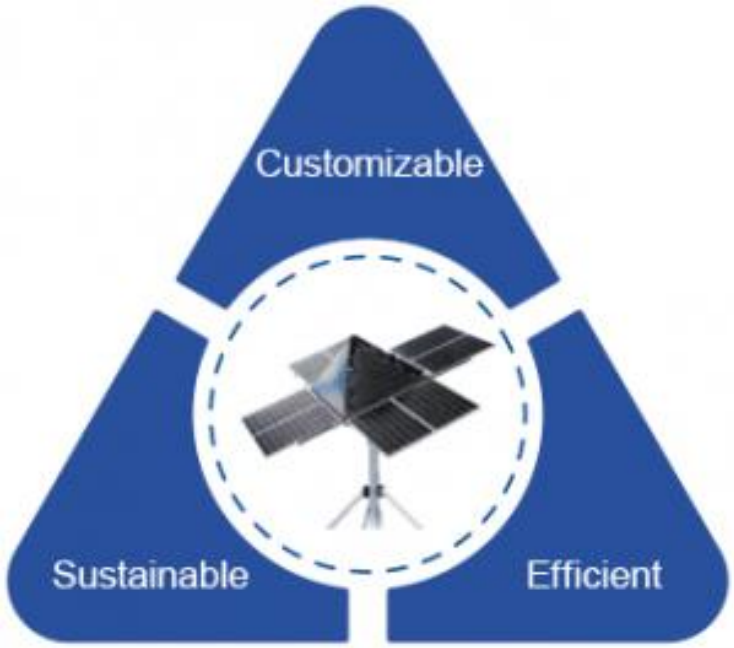
100% Green Energy

Sustainable electricity generation using solar energy as a climate-friendly, future-oriented technology

THE SOLARTRICHTER – A UNIQUE INTERFACE

To date, climate-damaging diesel engines have been used in remote areas to enable quick, short-term power supply.

Large area solar systems are used worldwide, but do not offer a flexible and space-saving solution.



The supply from existing power grids is often not a solution due to the amount required and the expensive transportation.

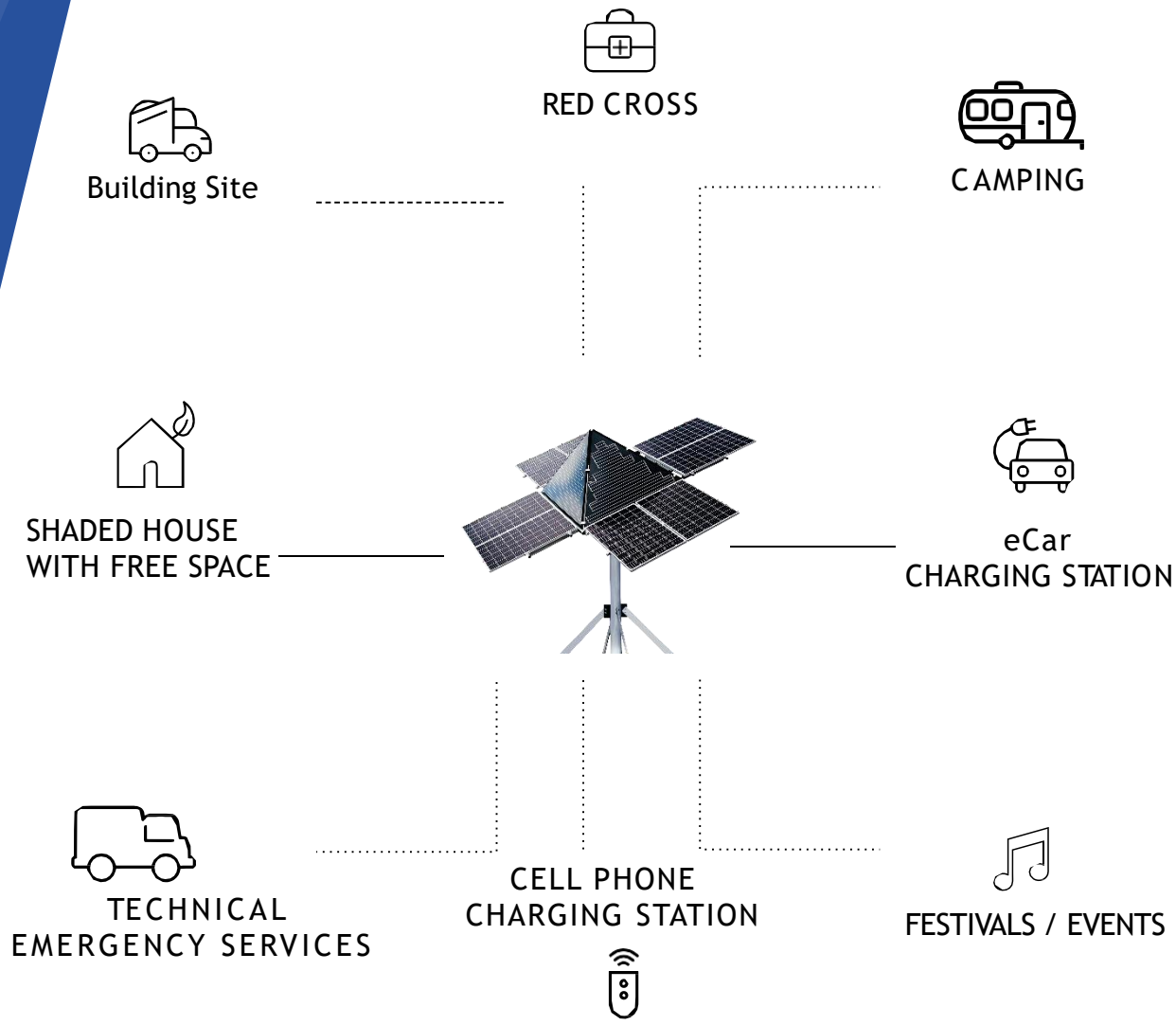
The Solartrichter combines efficiency, flexibility and sustainability and thus offers a unique solution to the market, which is entirely based on renewable energy.

MARKET POTENTIAL

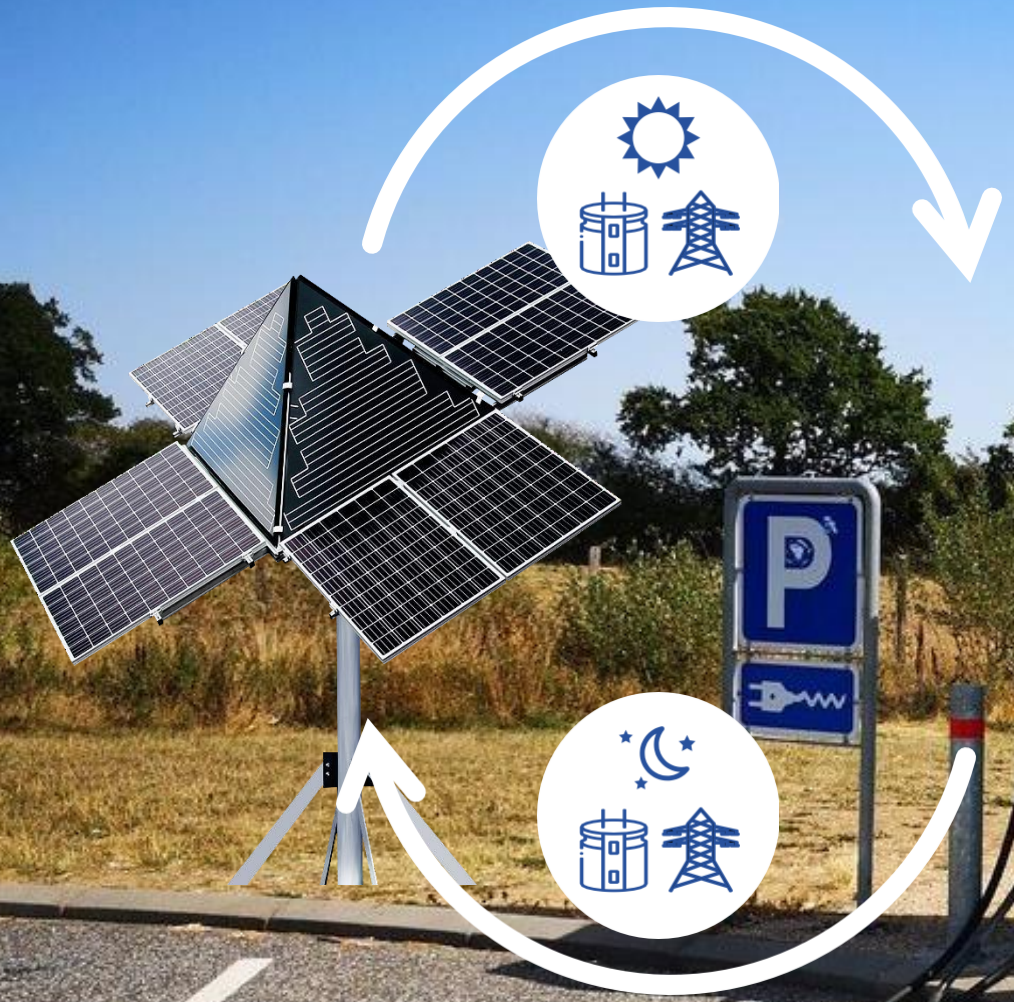
Climate protection is a central challenge of our time. Billions are being invested worldwide to generate electricity from renewable energies in the long term - the potential is enormous.

Areas of Application

The Solartrichter is not only ideal for temporary requirements - thanks to its space-saving design, it also serves as a sustainable power source for permanent use on previously unused areas - also on private property and in diffuse light!



THE SOLARTRICHTER IN E-MOBILITY



The Solartrichter is ideal for installation on rest areas, parking lots, holding bays or viewing points.

As a sustainable power source, it can be connected directly to e-charging stations on site and serves as a reliable supply unit.

In addition, due to the small space required and high efficiency, it can also be used on previously unused areas along roads and highways.

Balance, grid-connected solution or independent island system including storage unit.

THE SOLARTRICHTER IN AGRICULTURE

Due to its small space requirement, the Solartrichter is ideally suited for the use of previously unused perimeters of agricultural land.

A cascade connection on unused perimeters enables a highly efficient power supply – the arable areas are not affected and can continue to serve their actual purpose without restriction.

THE TECHNOLOGY

The Maximum-Light Detection Principle

The Solartrichter tracks the solar modules as precisely, quickly and energy-saving as possible to the most energy-rich point.

Modular Assembly

The system is modularly expandable and can therefore easily be adapted to all power generation requirements.

Easy Transport

The wing surfaces can be folded into a cube shape – making the system ideal for transport.

Control Module (MLD Sensor)

MLD-Sensors provide reference values for highest light-irradiation and control the system. The sensors continuously measure the angle and intensity of the incoming sunrays and also take reflected as diffuse light into account.

Wing Panels

The wings are foldable and modularly extendable (replacement by more efficient standard modules). The pyramid enables maximum yield in diffuse light.

Supporting Frame

The base ensures a stable standing position and forms the basis for the supporting construction.

Potential Earnings:

3.000 – 21.000 KWh

Electricity Yield/Year

(depending on site location/Region)

Modularly expandable:

12, 16 oder 20 Module as required

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