



Powerful Solutions

Energy Efficiency and Independence

Meet Sonnenwerft

Sonnenwerft was founded in 2010 by a team of experts, some of whom have over twenty years of experience in the solar photovoltaic and thermal field and are among the pioneers in the industry in Germany.

Sonnenwerft is not a classical company run by engineers. The Management Board is focused not only on industry and product knowledge but also on marketing expertise. For not even a good climate can sell itself.

Meet Sonnenwerft

Sonnenwerft, a modern company in the renewable energy sector, has opened a new state-of-the-art planning and distribution site in Hanover – a venture that ensures much more than merely a healthy environment in the area.

SunDock is a business unit of Sonnenwerft GmbH, an international distributor of turnkey solutions. SunDock stands for turn-key renewable energy solutions worldwide.

Our Vision

We believe that environmental protection, energy independence and profitability are not mutually exclusive.

We offer modern, comprehensive, efficient energy solutions with solar thermal integration as a one-stop provider ensuring an energy supply that is

- economical
- ecological
- perpetual

Customer Benefits

A responsible attitude towards the future brings benefits today:

- Cost reduction
- Independence from fossil fuels
- Climate protection
- Compliance with environmental regulations
- Increased profitability
- Capacity to satisfy increasing energy demands



SunDock Attributes

Our innovative technologies and high quality products ensure a profitable investment in comprehensive energy solutions for our customers.

SunDock is synonymous with:

- Long product life cycles
- High quality standards
- High performance
- High energy yield
- Minimal space requirement
- Innovative, flexible mounting systems
- High performance-price ratio

SunDock is Unique

- SunDock guarantees the highest quality standards for all their manufacturing partners worldwide.
- SunDock features adaptive, state-of-the-art mounting systems for all their products.
- SunDock offers consulting and project management services – from conception to completion – worldwide.
- SunDock possesses an international infrastructure for R&D, manufacturing, delivery, service and maintenance.

Scalability

Sonnenwerft offers powerful solutions „made to order“

- on and off grid power solutions
- domestic hot water, heating & cooling
- hospitals, group residences
- industrial applications

The SunDock energy solution is customized to fit the unique needs of each individual customer.

Range of Applications

The Sonnenwerft management team offers decades of experience in the design, manufacture, sales and project management for solar thermal applications and energy solutions. Modern and adaptive mounting systems for all SunDock collectors guarantee a simple installation and ideal use of space.

Comprehensive, industry-focused projects are directly supervised by Sonnenwerft, with references available in the following areas:

- Tourism
- Industrial manufacturing plants
- Industrial real estate

Partners to industry – Solution Provider

- Commercial applications in the area of solar energy create diverse and complex challenges to producers and suppliers.
- The applications primarily involve the conversion of solar energy into process heat to then provide heat for industrial applications.
- For these application areas, Sonnenwerft offers a wide range of turn-key system solutions - from industrial and drink water heating and heat support to the solar-supported operation of cooling machines for cooling and air-conditioning and sea water desalination plants
- In addition to its own products, Sonnenwerft enhances its product portfolio with selected products from partner companies. A global network of contractual and system partners is available for consultation, planning and the implementation of major projects.

Photovoltaic systems

- SunDock modules create very reliable solar energy for network-coupled and network-remote applications as well as solar energy plants for household and the energy utility area.
- Our crystalline photo voltaic modules are constructed and created in order to meet the extremely strict international quality standards.
- Our ongoing structural, procurement and productions efforts ensure that our modules create major solar energy and take up little space.
- Our modules have a product warranty of 10 years and a service life of 25 years in terms of nominal output and provide continuous value.

Storage systems

In order to guarantee the security of a solid supply of electrical energy even in the near future at competitive prices and to increase the percentage of renewable energy in harmony with environmental protection regulations, as required by law, Sonnenwerft is developing measures for the large-scale optimisation of network usage based on the existing energy supply structure.

Our goals:

- Performance flow optimisation in mains networks with renewable energies
- Energy reservoir systems with market-oriented mains network operation
- Intelligent control in decentralised energy supply
- Development of innovative energy market concepts

Energy Management

The transition to a sustainable energy supply is one of the central future tasks for the 21st century. To do this, we must use energy in a much more efficient way than before and use renewable energies more. New information and communication technologies offer numerous opportunities to achieve this.

Through the use of innovative measuring technologies, embedded systems, sensor actuator networks and transfer technologies, components and systems from different energy segments can be inter-networked. As a result, new possibilities result both for cross-platform planning and the optimisation of business operational management and for the cross-system integration to virtual power plants and intelligent networks.

Energy Management

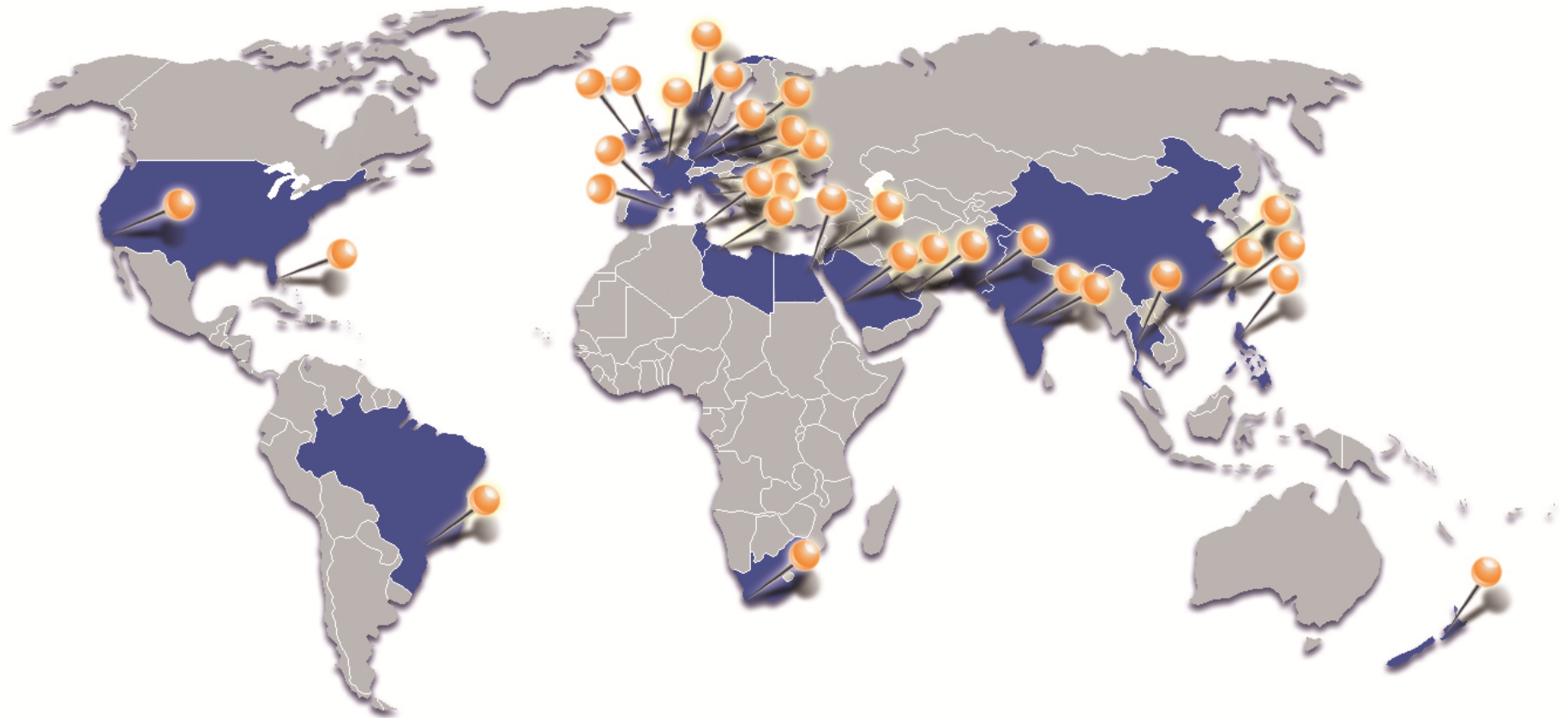
In order to use these opportunities, Sonnenwerft bundles its energy and information/communication competencies in the network with partners for intelligent energy networks.

Through the close collaboration with energy and information/communication experts, there are integrated, customer-specific "intelligent" energy supply components and systems which use the new functions for economically and environmentally optimised planning and the plant operation of energy networks.

Service, quality and sustainability worldwide

- Sonnenwerft has made it a goal to provide excellent service worldwide, high quality and sustainable solutions.
- Sonnenwerft offers sales, service and support worldwide - with exclusive offices and the qualified system and sales partners.
- Sonnenwerft is passing its expert know-how on continuously to contractual and retail partners so that the customers can benefit from the experience and the know-how of the company at all times and locations.
- This means that Sonnenwerft guarantees the same good "Made in Germany" quality worldwide.

Sonnenwerft Worldwide



Untertürkheim, Germany

640 KWPeak

PM 195 mono modules



Kempten, Germany

10 KWPeak

PM 195 mono modules



Dortmund, Germany

50 KWPeak

ET Solar P 230 poly modules



Mindelheim, Germany

30 KWPeak

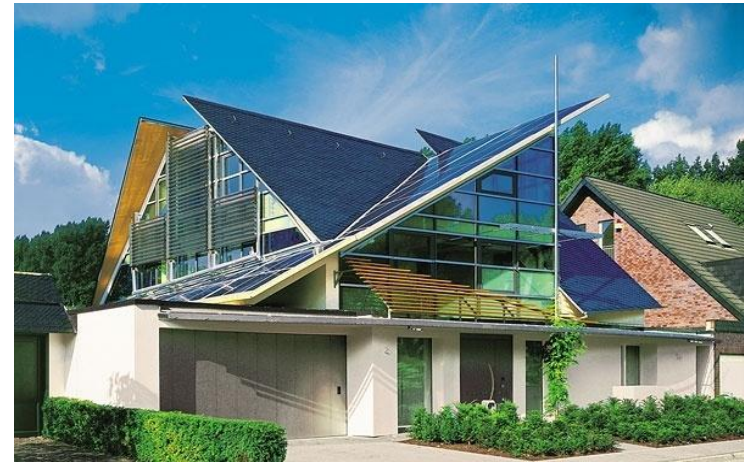
PM Solar 195 mono modules



Pfalz, Germany Designer House



15 KwPeak FS modules
9 SunDock tube collectors



Thank you for your attention!

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