maxsolar
energy concepts

Holistic energy concepts

Dear readers,

Climate change is one of the greatest challenges of our time, which we as a society and as a company must actively address. Germany has set ambitious targets in its 2050 climate protection plan: Our country should be largely greenhouse gas neutral by the middle of the century. With our daily work, we are helping to turn this vision into reality. With the Renewable Energy Sources Act (EEG) 2023/24, the German government has laid the foundations for a climate-neutral future. A faster expansion of renewable energies is crucial to achieving our goals. By 2030, the share of renewable energies in gross electricity consumption should increase to at least 80 percent.

The results of the Federal Environment Ministry's environmental awareness study clearly show that climate and environmental protection are of great importance to many people in Germany. New mobility concepts, energy-efficient products, green investments and green electricity are very popular and are important steps on the road to greenhouse gas neutrality. Our local community energy projects promote understanding and acceptance of the energy transition and the expansion of renewable energies. Together with you, we are working on a green future that is not only worthwhile, but essential.

Yours sincerely

Christoph Strasser
Managing Director MaxSolar GmbH

MaxSolar

Your provider of integrated and innovative energy solutions for municipalities and landowners

Headquartered in Traunstein, the company, which was founded in 2009, is now active at five locations throughout Germany. MaxSolar's range of services includes the planning, construction and operation of photovoltaic and wind systems, energy storage systems, e-charging infrastructure and heating solutions in integrated systems.

We offer employees an attractive environment in which to take on responsibility and help shape a climate-neutral future. MaxSolar's corporate culture is characterized by a strong team spirit and a can-do mentality. Every employee takes responsibility and makes a visible contribution to the success and growth of the company.

Our commitment makes a significant contribution to the promotion of renewable energies, promotes a sustainable and secure decentralized energy supply and at the same time strengthens regional value creation in Germany.

Photovoltaics

Wind power

Energy Partners

Storage systems

Electromobility

District heating

Certified quality

Our services at a glance

We offer a wide range of services covering all areas of the energy value chain. As a certified quality company, we take care of every step, from initial consultation to potential repowering.

- **Consulting:**
  During the consulting phase, we focus entirely on individual needs and objectives. With our many years of experience and in-depth specialist knowledge, we provide support in the implementation and financing of projects.
- **Expert opinions and studies:**
  Our experts prepare detailed expert opinions and studies that provide a solid basis for your energy projects. From environmental impact assessments to market analyses: we provide you with comprehensive information for your decision-making.
- **Project development:**
  From greenfield sites to photovoltaic or wind power plants - as IPP, we cover it all. Our range of services: public information, site analysis and site evaluation, grid connection testing, plant and approval planning and securing plant remuneration.
- **Implementation:**
  Our experienced project managers take care of every single project step, from preparing the installation documents to commissioning the plant. They see themselves as interface coordinators for the individual trades. We guarantee absolute peace of mind during the entire realization phase of a project.
- **Operational management and repowering:**
  We offer comprehensive operational management services, both technical and commercial, to ensure the maximum performance and profitability of your power plants. In addition, we support you with repowering if required to bring your power plants up to the latest state of the art.
- **Power Purchase Agreements (PPAs):**
  Our expertise also includes the design and implementation of PPAs to secure long-term and stable sales opportunities for energy production.

Customers and partners

Focus on our customers

Renewable energies are becoming increasingly important, as every project makes an important contribution to the energy transition. Together with our customers and partners, we strive to drive the energy transition forward.

- **Municipalities:**
  Through the targeted use of free areas for solar and wind energy, municipalities can be significantly strengthened by not only making their energy supply sustainable, but also by creating economic and ecological benefits for their citizens.
- **Energy cooperatives:**
  Promoting renewable energy at a local level through community solar parks can increase regional value creation and contribute to sustainable community development. In addition, community solar parks make a considerable contribution to the acceptance of solar and wind power plants.
- **Landowners:**
  Renting out open spaces for photovoltaic and wind power plants not only offers economic benefits, but also makes a positive contribution to sustainable energy production.
- **Investors:**
  As a general contractor, we take care of turnkey project realization so that you as an investor can focus your attention on your core business.

In addition, our subsidiary **Energy Partners** offers comprehensive 360-degree-solutions for the commercial and industrial sector.

Photovoltaics

From sunlight to green electricity

When planning photovoltaic systems, various conditions must be for energy use. A large number of factors are taken into account, such as the amount of sunlight radiation, the accessibility of the site for plant construction and grid feed-in, as well as the consideration of environmental regulations and social aspects.

Photovoltaic systems

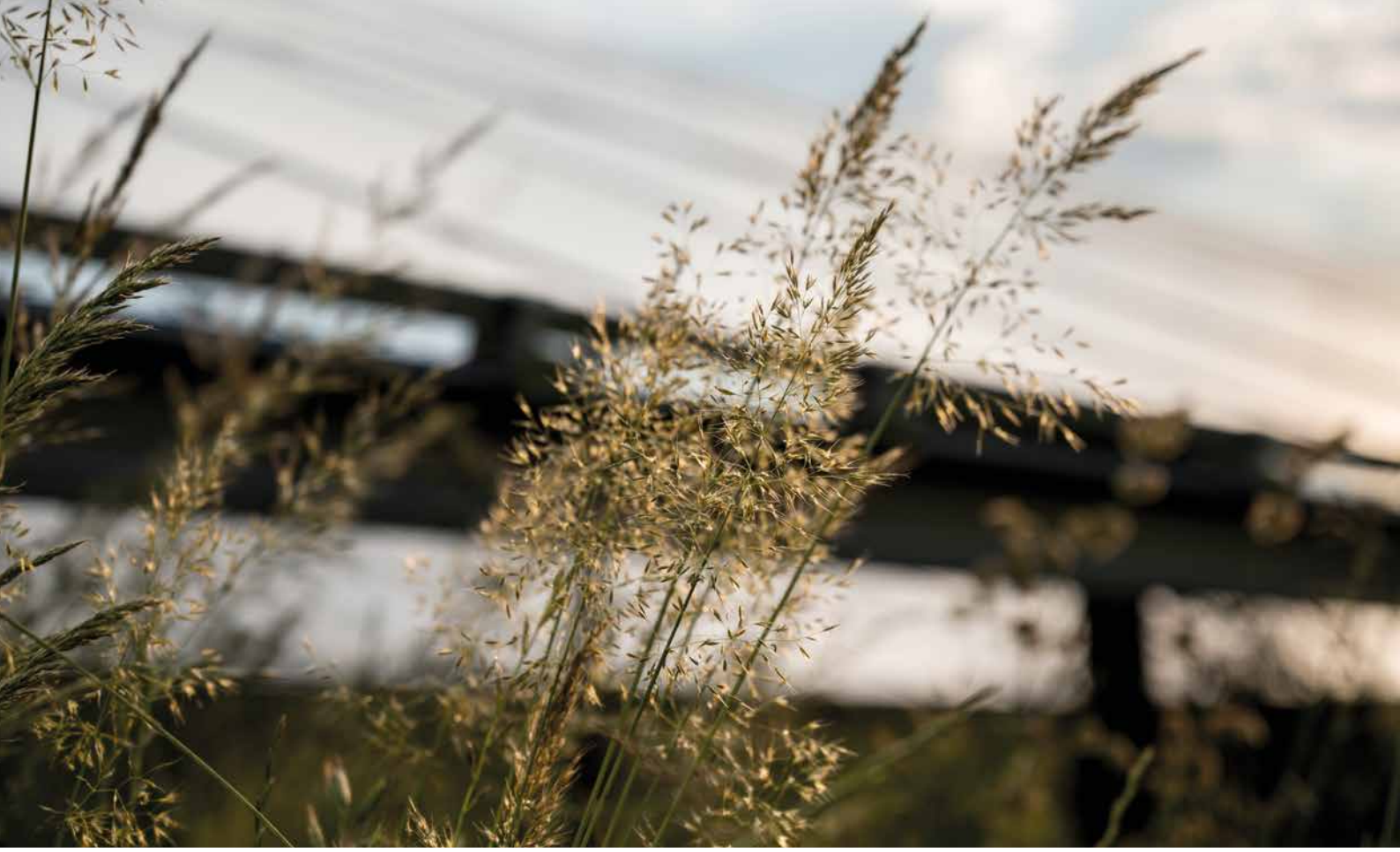
Planning and implementation

When installing ground-mounted photovoltaic systems, we attach great importance to individuality and precision in every step of the process. We take a careful look at a variety of assembly components to ensure that the system functions optimally. The modules are installed with a fixed support, with a robust steel or aluminum frame either anchored to the ground or securely fastened to concrete blocks. The tilt angle of the modules is precisely adjusted during installation and then fixed to ensure maximum energy production.

Examples of eligible areas are

- **Landfills**
- **Former open-cast mining areas**
- **Former military training areas and ammunition depots**
- **Areas along highways or railroad tracks**
  (up to a distance of 500 meters)

Agricultural land and grassland can only be used for photovoltaic systems if they are located in a less-favored area in accordance with Directive 86/465/EEC and have been approved for photovoltaic use by the federal states.



Ground-mounted solar systems in the region

A benefit for people and nature

A study by the Bundesverbands Neue Energiewirtschaft(bne) also shows that ground-mounted photovoltaic systems can make a significant contribution to regional biodiversity. The installation of a solar park significantly enhances the ecological value of the land compared to arable or intensive grassland use.

Community solar parks

Regional added value

Community solar parks strengthen the local economy by creating jobs and providing income opportunities for local businesses. By promoting renewable energy at a local level, community solar parks can boost regional value creation and contribute to the sustainable development of the community.

Wind power

Wind power on land

Our work helps to reduce dependence on fossil fuels and to make a positive contribution to the climate transition. With every wind farm project, we are driving the transformation towards a more sustainable energy future and are shaping a world in which clean and reliable energy is available to all.

Wind turbines use the kinetic energy of air currents and convert it into usable, emission-free energy using rotors and electrical generators. Alongside photovoltaics, wind turbines are one of the cheapest forms of energy generation and a mainstay of the energy transition. The combination of wind power and photovoltaics ensures a steady supply of electricity from fluctuating, renewable energy generation.

In order to ensure the sustainable use of renewable energies and promote local value creation and citizen participation in the energy transition, we maintain close partnerships with regional citizen energy cooperatives.

Energy Partners

Customized energy solutions for commercial and industrial companies

Property owners in the C&I sector are faced with the challenge of meeting the requirements of climate policy and constantly rising electricity prices in the best possible way. The energy transition in Germany requires more decentralized energy generation, especially for energy-intensive industries and large commercial units.

About Energy Partners

Energy Partners was founded out of MaxSolar GmbH with the aim of providing fast access to scalable energy solutions and making cheap electricity and clean energy from on-site production available to our industrial and commercial customers. This is implemented with CO_2-neutral energy systems and innovative digital solutions.

Thanks to the many years of experience of its parent company MaxSolar, Energy Partners is already a leading specialist in commercial and industrial energy solutions. Energy Partners offers a 360-degree-solution for the realization of holistic C&I energy projects and also acts as an intermediary and service provider for photovoltaic specialist partners via its digital B2B platform. The platform facilitates the entire installation process and simplifies the transmission, processing and management of energy projects.

Its customers include companies throughout Germany and Austria, owners of large rooftops, real estate operators, agricultural businesses and specialist partners who want to implement energy projects in the commercial and industrial (C&I) segment.

Find out more at: www.energypartners.de/en

Storage systems

Use your solar energy – independently and predictably

Germany needs storage systems for the energy transition, and not just the small photovoltaic home storage systems, but also large-scale storage systems. A large-scale battery storage system offers the advantage of being able to absorb peak yields at midday and release them in the late evening or early morning hours. This enables a more even feed-in throughout the day and helps to relieve the load on the grids.

However, storage is an interesting aspect not only for grid operators, but also for large industries and other Power Purchase Agreement customers.

District heating

The path to a CO_2-neutral future

As a holistic solution provider of renewable energy concepts, sustainable district heating is an important part of the energy transition for us. In the building sector in particular, it is important to strive for a climate-neutral heat supply. This can be achieved by significantly reducing the demand for fossil heat and covering the heat share from renewable energies with the help of green concepts.

Join us in becoming a CO_2-neutral municipality!

Strong in the region

Green, regional, close to the people

As an engineering service provider, we advise local authorities, municipalities and municipal associations without municipal utilities on the implementation of turnkey district heating projects and offer sector coupling solutions.

We prepare your feasibility study and thus examine in detail the possibility of a climate-friendly heating project in your municipality.

Expertise in detail

Feasibility study

The feasibility study is carried out in accordance with the specifications of the federal funding for efficient heating networks (BEW).

The main components of the study are

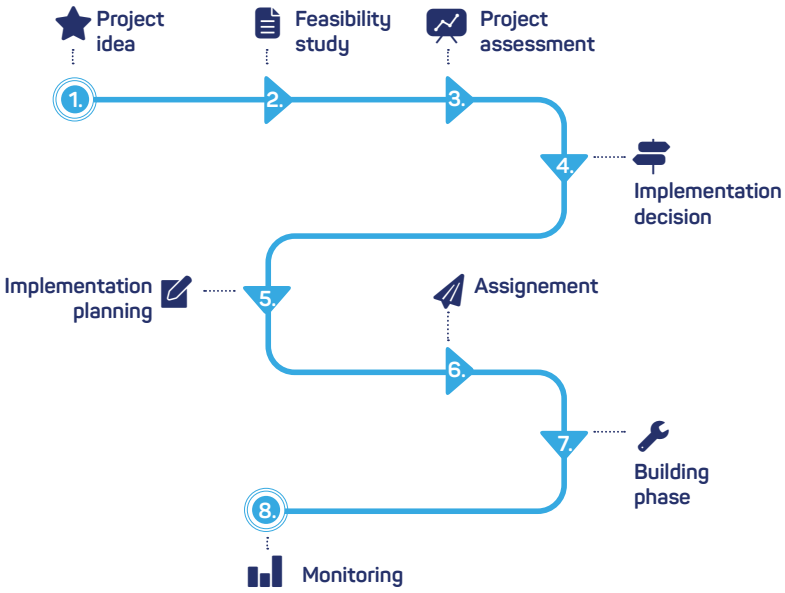
- **Actual analysis of the study area incl. heat consumption and heat demand determination**
- **Determination of potential**
- **Target analysis of the heating network**
- **Cost framework**
- **Path to greenhouse gas neutrality**

We at MaxSolar offer even more:

- **Preliminary planning including a graphical representation of the network path and the results**
- **Determination of the basic eligibility for approval**
- **Rough project time planning**
- **Profitability analysis of the first 30 years**

District heating process

District heating in 8 steps



Electromobility

Intelligent and sustainable charging infrastructure solutions

Benefit from our experience and expertise in upgrading your municipality with charging infrastructure for electric vehicles. As a certified charge point operator, we offer to municipalities everything from planning and installation to the legally compliant billing of charging points.

Sustainable charging solutions for municipalities

Charging as easy as possible – everywhere and at any time of the day

- **Comprehensive charging options for the public**
- **Increases the attractiveness of the region for tourism**
- **Pioneer of the energy transition**
- **Attractive electricity prices, long-term predictability**

Our services

Planning, installation, operation

Consulting

- Site analysis
- Requirements planning and feasibility study
- Profitability analysis

Project planning

- Technical planning of the charging infrastructure
- Creation of a technical connection concept
- Support with registration and approval processes and the implementation of required measures

Installation

- Delivery, installation and connection of the charging infrastructure
- Coordination with the energy suppliers and commissioning

Energy management / billing

- Integration into an energy and load management system to avoid expensive peak loads and to reduce grid connection costs
- Automatic recording and reporting of all charging processes

Service

- Operation of the charging infrastructure
- Service and maintenance
- 24-hour support

References

Numerous energy projects for companies, local authorities and landowners testify to our success in the energy industry

Bundorf solar park

A flagship project for the energy transition

The Bundorf solar park in Lower Franconia symbolizes the possibility of converting our towns and communities to renewable energies across all sectors.

The entire approximately 125-hectare Bundorf solar park was implemented in accordance with the "Good Planning" standards of the Bundesverband Neue Energiewirtschaft e.V., which ensures that solar parks make a positive contribution to climate protection, biodiversity, nature and environmental protection as well as rural development.

- **Approx. 125 MWp ground-mounted solar plant**
- **District heating network**
- **Electric charging infrastructure**
- **Own transformer station in the neighboring municipality of Aidhausen, Kerbfeld**
- **Citizen participation / energy cooperative via EGIS eG**
- **Comprehensive measures to promote biodiversity**

Gefördert durch:
Bundesministerium für Wirtschaft und Klimaschutz
aufgrund eines Beschlusses des Deutschen Bundestages

References

An overview

› **Ground-mounted system Theinfeld** approx. 112 MWp

› **Ground-mounted system Wien** approx. 112 MWp

› **Ground-mounted system Sillaching** approx. 111 MWp

› **Ground-mounted system with storage, Reckertshausen** approx. 110 MWp

› **Ground-mounted system Lehe** approx. 14 MWp

› **Ground-mounted system Kraiburg** approx. 13 MWp

› **Ground-mounted system Rote Jahne Doberschütz** approx. 6 MWp

› **Rooftop system Dieburg** approx. 16 MWp

› **Rooftop system Werne** approx. 15 MWp

› **Rooftop system Frankenthal** approx. 14 MWp

› **Largest charging park in the Traunstein district** 10 AC charging points 2 DC charging points

Become a pioneer!
Take the first step towards a green future and contact us.

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