

## Company presentation Next2Sun

**The Next2Sun Group has set itself the goal of advancing the expansion of renewable energy with passion and innovation in order to ensure energy security, protect our environment, and lead the energy transition into its next phase. Its bifacial, vertical PV systems enable cost-efficient and sustainable power generation by combining innovative multi-use concepts with optimized electricity generation profiles.**

Next2Sun is the inventor and technology leader in vertical bifacial photovoltaics and entered the market as early as 2015. The underlying idea was that conventional south-facing solar modules are unable to generate energy during the early morning and late evening hours. To address this limitation, a system of vertical mounting was developed, enabling anti-cyclical power generation. As a result, electricity is generated and fed into the grid at times when conventional PV systems deliver lower output – during the morning and afternoon hours rather than at midday.

Based on its vertical bifacial system technology, Next2Sun has developed a high-quality product portfolio for a wide range of applications. The starting point is always the dual-use advantage of its award-winning technology. What all applications have in common is their anti-cyclical power generation, which provides significantly greater grid compatibility and thus enables higher revenues from electricity sales or improved substitution of grid electricity through on-site self-consumption.

### **Agri-PV**

Next2Sun's patented Agri-PV system *Fields2Sun* enables the simultaneous use of land for agriculture and solar power generation. Vertically mounted bifacial modules provide unrestricted space for agricultural activities, enhance the ecological value of the land, and protect soils against erosion. The use of vertical PV systems enables anti-cyclical power generation, meaning that electricity is fed into the grid at times when conventional PV systems produce less power – during the morning and afternoon hours.

This results in higher revenues from electricity sales for customers or lower costs through increased self-consumption. The innovative concept increases land-use efficiency, allows farmers to diversify their income streams, and actively contributes to the energy transition.

### **Solar Fence**

This dual-use approach is also suitable for private applications and commercial use. The *Fence2Sun* solar fence offers an efficient and cost-effective way to enclose properties while simultaneously generating solar power. Thanks to its functional design, it is ideal for larger installations where material efficiency and ease of installation are key factors, as well as for use as a low-maintenance privacy screen and property boundary.

Whether for commercial and industrial sites, agricultural land, or private properties, the solar fence provides a reliable solution for a wide range of applications. Lower energy costs through on-site self-consumption – and thus a higher degree of energy autonomy for owners – are an additional benefit.

All applications are based on the integrated system of mounting structure and module, which delivers outstanding performance in all weather conditions. This efficiency and quality are the result of Next2Sun's many years of implementation experience, as well as the fact that all services related to its products are provided from a single source.

## **The Next2Sun Group**

Since its foundation, the Next2Sun Group has become a pioneer in the field of vertical photovoltaics and has already realized projects with a total capacity of more than 60 MWp in Germany and abroad. With this volume of implemented projects, Next2Sun is among the most successful and experienced companies in this segment.

With approximately 150 employees, the Next2Sun Group is present at multiple locations in Germany, Austria, Poland, and Japan. To date, more than 500 projects – including Agri-PV and solar fence installations – have been implemented across 15 countries.

All key stages of the value chain are covered within the Next2Sun Group: the development and patenting of the mounting system, project development, project implementation, as well as sales and operation of the PV systems.

**Next2Sun AG** serves as the holding company that systematically controls and optimizes the overall activities of the Next2Sun Group.

**Next2Sun Technology GmbH** continuously advances the company's technologies and supports Next2Sun customers in the realization of their projects with tailored solutions – ranging from technical consulting and owner's engineering services to the turnkey delivery of complete PV systems.

**Next2Sun Mounting Systems GmbH** is responsible for the global sales of the Agri-PV mounting system and the solar fence and offers a comprehensive range of services to support project developers, EPCs, and sales partners.

**Next2Sun Projekt GmbH** develops projects up to the point of construction readiness – from land analysis and land leasing to cultivation agreements, as well as building permits, grid connection, and power marketing.

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