

# Company presentation Next2Sun

**The Next2Sun Group is committed to the task of realising the expansion of renewable energy with passion and innovation in order to ensure energy security, protect our environment and lead the energy transition into the second half of the century. The bifacial, vertical PV systems make sustainable power generation cost-effective by combining innovative multiple use with optimised power generation profiles.**

Next2Sun is the inventor and technology leader in vertical bifacial photovoltaics, which was launched on the market back in 2015. The vertically mounted bifacial solar modules make it possible to generate electricity anti-cyclically so that the electricity is fed into the grid when conventional PV systems generate less power: in the morning and afternoon hours. This provides customers with better revenues when selling electricity and our economy with increased grid efficiency.

A high-quality product range for various applications has been developed on the basis of vertical, bifacial system technology. The starting point is always the dual benefit of our award-winning technology.

## **Agri-PV**

The patented Agri-PV system "Fields2Sun" from Next2Sun enables the simultaneous utilisation of land for agriculture and solar power generation. Vertically installed, bifacial modules leave unhindered space for agricultural cultivation, the land is ecologically enhanced and protected from soil erosion. The use of vertical PV systems makes it possible to generate electricity anti-cyclically, so that the electricity is fed into the grid when conventional PV systems generate less power: in the morning and afternoon hours. This provides customers with better revenues when selling electricity and lower costs for their own consumption. This innovative concept increases land efficiency, enables farmers to diversify their income and actively contributes to the energy transition.

## **Solarfence**

However, this dual use is also possible for applications in the private sector and for companies. The "Fence2Sun" solar fence offers an efficient and cost-effective way of fencing off properties and generating solar energy at the same time. Thanks to its functional design, it is suitable both for larger installations, where material efficiency and ease of installation are paramount, and as a low-maintenance privacy screen and enclosure of the property.

Whether for commercial and industrial areas, for agriculture or the private sector, the solar fence provides a reliable solution for a wide range of applications. Lower costs for self-consumption of energy and thus a higher degree of self-sufficiency for the owner are a further bonus.

The basis for all possible applications is the integrated system of frame and module, which delivers outstanding performance in all weather conditions. This efficiency and quality are the basis of Next2Sun's many years of realisation experience - and the fact that all services relating to the products are offered from a single source.

## **The Next2Sun Group**

Since its foundation, the Next2Sun Group has become a pioneer in the field of vertical PV and has since realised projects with a volume of over 60 MWp in Germany and abroad. With this volume of projects already realised, Next2Sun is one of the most successful and experienced companies in this field.

With around 140 employees, the Next2Sun Group is present at various locations in Germany, Austria, Poland and Japan. Over 500 projects (Agri-PV and solar fence) have now been installed in 15 countries.

All key stages of the value chain are realised within the Next2Sun Group: Development and patenting of the frame system, project development, project realisation, as well as sales and operation of the systems.

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