

## Innovative photovoltaic solutions for the energy transition

Next2Sun has set itself the goal of offering solutions for the energy transition with a new installation concept: The basic concept of vertically installed, bifacial solar modules shifts solar power production to times of usually low availability and avoids the overbuilding of agricultural land. For the success of the energy transition, this means fewer conflicts of use, better coverage of electricity demand and lower storage requirements. Next2Sun has developed a wide range of products based on the vertical bifacial system technology and the patented frame system developed for it, and brought them to market maturity, in particular the vertical bifacial Agri-PV system and the bifacial solar fence. As a result, Next2Sun today offers solutions for a variety of applications for the agricultural, public, commercial and private sectors as a multi-award-winning market and technology leader.

### Agri-PV: a double harvest from agriculture and solar energy



Especially in densely populated countries like Germany and Austria, competition for land between energy and agriculture is increasing. To counteract this, the Next2Sun concept enables areas to be used simultaneously for both energy generation and agriculture, thus increasing land use efficiency. Various investigations have shown that installing PV modules has a positive impact on agricultural yields, thanks to the shade and wind protection they provide. This creates a genuine win-win situation that both generates additional energy and benefits the farm.

Due to the consistent, vertical east-west orientation, energy generation peaks can be reached in the morning and evening hours – counter-cyclically to the existing south-facing plants. This is beneficial for electricity grid stability and enables plants using the Next2Sun-concept to be connected to grid branches that are already operating at full capacity and to generate higher revenues on the electricity exchange.

### Next2Sun solar fence: the fence that pays for itself

Fences are often vital on commercial, industrial or agricultural property – with the bifacial solar fence from Next2Sun, they can become a source of power or cover the own power requirements. A solar fence can play a key role in generating the energy needed and can increase self-sufficiency from external suppliers. There are various design options for solar fences: as well as being an enclosure and offering protection against intruders, a fence can also provide privacy or serve as a high-end decorative element.



### Next2Sun – your partner for innovative energy solutions!

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