Agriphotovoltaics

Next 2 Sun

We are bringing the energy revolution

AgriPV: a double harvest from agriculture and solar energy!

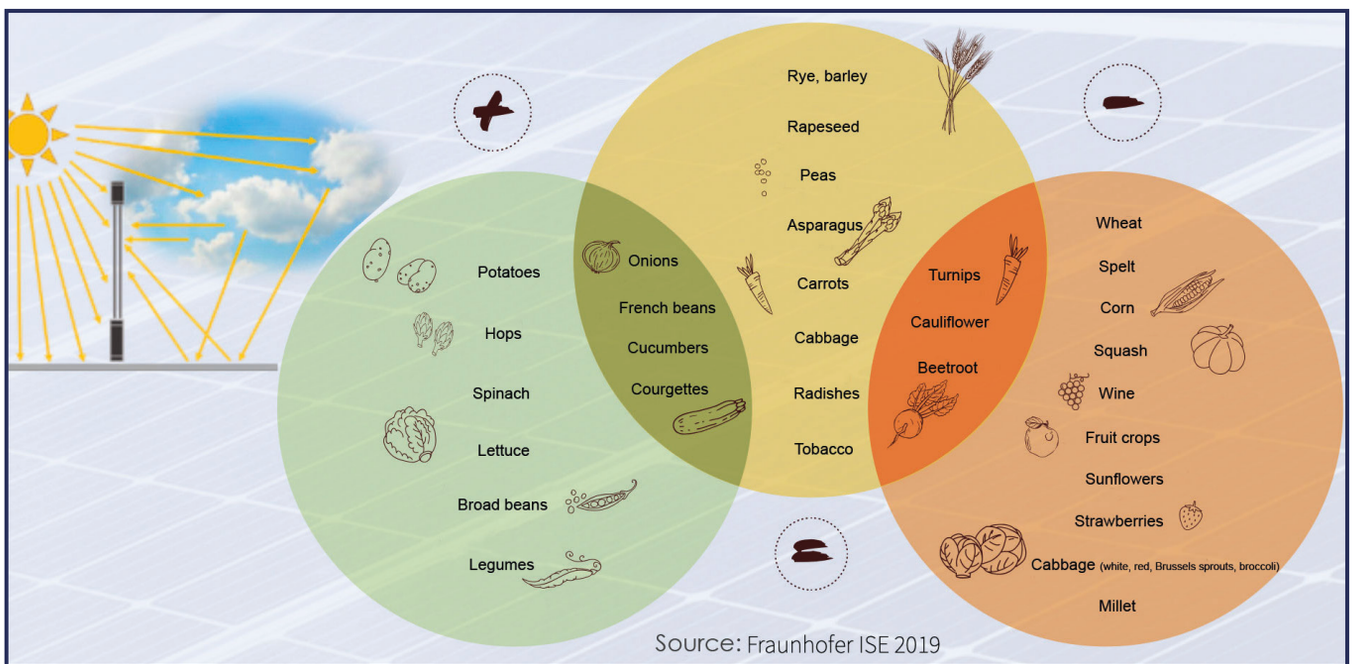
Become an energy farmer thanks to the Next2Sun bifacial concept!
In densely populated countries like Germany and Austria, competition for land is becoming increasingly fierce between the energy and agricultural industries. To combat this, the Next2Sun concept enables areas to be used simultaneously for both energy generation and agriculture, thus increasing space 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.

The benefits of a bifacial agriPV system:

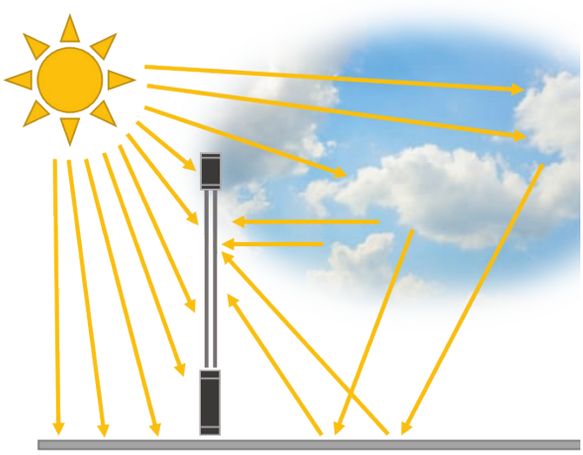
- ✓ No surface sealing and virtually no superstructure (<1% per hectare).
- ✓ The vertical configuration minimises your PV system's space requirements.
- ✓ Virtually shade-free installation of glass-glass modules.
- ✓ Variable series gap of 8-15 m, enabling versatile agricultural use.
- ✓ Responsible use of ground resources increases acceptance.
- ✓ The small amount of superstructure construction required creates high-quality old pasture areas where habitat structures can be established.
- ✓ The farm remains unchanged, just gains a second harvest thanks to renewable energies: both yields and energy!

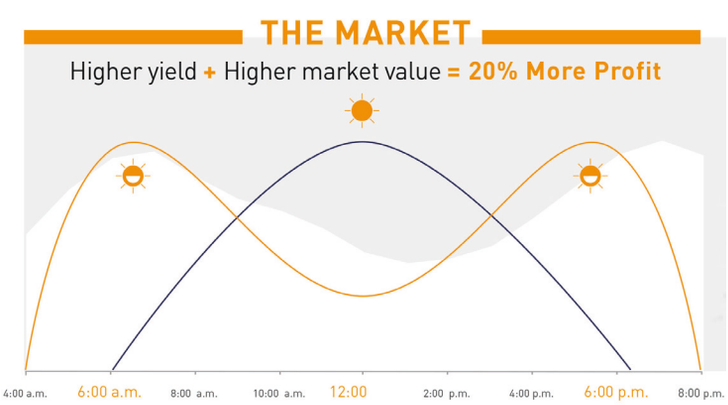
Product facts & figures

- Solid steel construction
- Consisting of two posts and two bars holding two stacked bifacial glass modules
- The height is flexible, each element is approx. 2.20 m in length
- Individual solutions possible for system design
- The system is designed to meet high static requirements (e.g. wind pressure)
- Project-specific adjustments enable deployment virtually anywhere
- Cultivation with agricultural machinery can be conducted without issue across 95% of area
- The system offers two generation peaks per day thanks to the modules' orientation and bifacial design



The agriPV system significantly better results than conventional systems during the morning and evening. Thanks to its highly efficient rear side, the solar fence generates electricity at any time of day and in all seasons of the year (potential for more than 90% efficiency on the rear side). The orientation only plays a small role in the overall yield: positioning the module surfaces facing south and north (unshaded annual electricity yield approx. 900-1200 kWh/kWp) only generates slightly less than an east-west orientation (unshaded annual electricity yield approx. 1000-1300 kWh/kWp).





Bifacial agriPV: the right concept for you!

‘Agriculture in Germany is under huge pressure to adapt. EU agricultural policy’s focus on successfully competing to reduce costs on the global market has significantly damaged our resources. In addition, social debate about animal welfare and the loss of biodiversity has given agriculture a major image problem. AgriPV not only provides at least partial solutions to many of these challenges but is also helping to drive the energy revolution and support adaptation to climate change.’

- Professor Klaus Müller of the Leibniz Centre for Agricultural Landscape Research (ZALF)

‘We want to work with you to use renewable energies and help protect the environment. Thanks to many years of experience in renewable energy sources and the variety of professional backgrounds across every member of our team, we are able to continually develop our skills and strengths and thus build up solid expertise.’

- Sascha Krause-Tünker, CEO Next2Sun

Why Next2Sun agriPV?

Our solutions enable cost-effective, sustainable, environmentally friendly power generation by combining innovative multiple use with optimised generation profiles. We want to work with you to expand the use of renewable energies, combat climate change and help protect the environment and the natural world.

We are bringing the energy revolution!

Photovoltaics have seen impressive development over the past 20 years in terms of falling costs and increased uptake. The sector is now facing more sophisticated challenges, in particular as regards land usage and the continuous availability of renewable energy.

Next2Sun was founded to create solutions for the energy revolution with a new system concept. Next2Sun's goal is to consolidate renewable energy generation, reduce the land usage in free-field photovoltaics, and develop new areas of application for photovoltaic systems. Since then, Next2Sun has been using its vertical, bifacial system technology and the patented frame system developed for it to create and market a wide range of products for agriculture and the public, commercial and private sectors.

Next 2 Sun

Your partner for innovative energy solutions!

Our solutions enable cost-effective, sustainable, environmentally power generation by combining innovative multiple use with optimised generation profiles. We want to work with you to expand the use of renewable energies, combat climate change and help protect the environment and the natural world. And we have the right team to do it: thanks to many years of experience in renewable energy sources and the variety of professional backgrounds across every member of our team, we are able to continually develop our skills and strengths and thus build up solid expertise. As your trustworthy innovation partner, we are bringing the energy revolution – in more ways than one.

We are bringing the energy revolution!

Next 2 Sun

We look forward to hearing from you:

Franz-Meguin-Straße 10a
66763 Dillingen
Germany

info@next2sun.de
Phone: +49 (0) 3222 18090

Pfaffing 43
5760 Saalfelden
Austria

info@next2sun.at
Phone: +43 (0) 720 111 599

www.next2sun.com