Robisol®

Solar panels as roof

## *Product Range*

Robisol offers multiple systems for applying solar panels as a fully integrated roof covering.

If you are interested in a solar roof, we are happy to work with you to determine the specific requirements and objectives of your project. Based on this, we select the mounting system that best suits your situation.

+31 (0)10 223 5953

/robisol

info@robisol.com

Modern

Inroof

Traditional

Full roof

Row houses

Detached

# Insulated Roofs

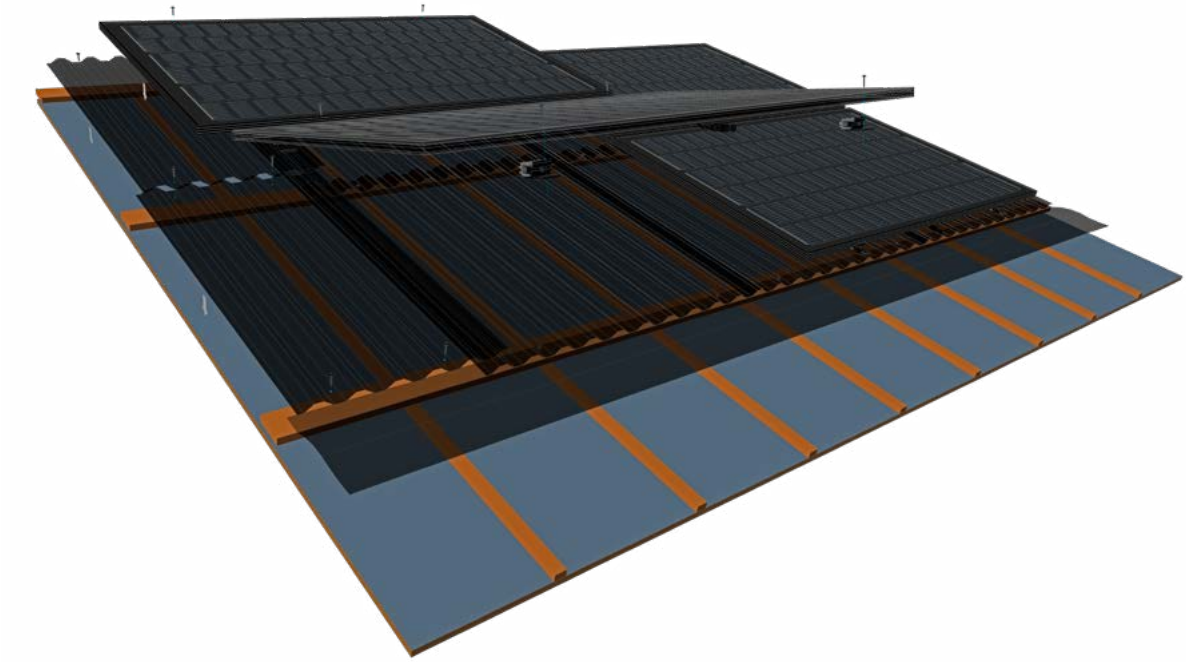
Residential buildings, offices and industrial facilities are typically heated and therefore require an insulated roof.

Flat roofs are not suitable for applying solar panels as a roof covering, because horizontal installation is not recommended. For insulated flat roofs, separate mounting systems are therefore placed on top of the existing roof covering.

Pitched roofs, however, are well suited for integrating solar panels as roof covering. The system can be installed directly on top of the insulation layer, where it functions as the weathertight layer. For this application, Robisol offers two systems: the Kyroof System and the BiTile System.

Inroof

Full roof



## *Kyroof*

In the Kyroof System, solar panels are fixed from the rear side, ensuring that mounting clamps remain out of sight and a clean roof appearance is achieved.

The weathertight layer is positioned between the solar panels and the substructure and also functions as a fire barrier. Robisol's tongue-and-groove OSB panels are prefabricated with fire-resistant EPDM, enabling fast, efficient and reliable installation.

Example video

Skylight integration

Dormer integration

## *BiTile*

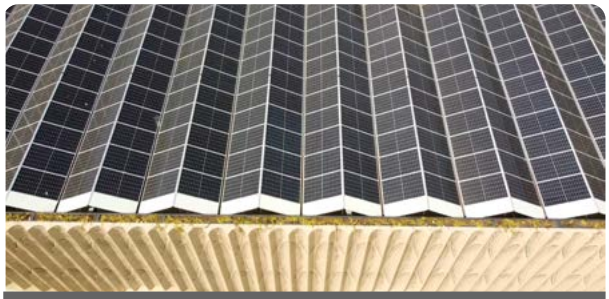
The BiTile System offers a highly aesthetic solar roof solution, specifically developed for residential applications.

Frameless solar panels replace traditional roof tiles and create an appearance comparable to slate roofing. The panels are mounted in horizontal rails and combined with infill panels and edge finishes, allowing the entire roof surface to be completed seamlessly.

With approximately 1,000 installed systems, BiTile is a proven and reliable solution for long-term, worry-free energy generation.

Example video

Carport



Parking garage

Bicycle parking

RV storage

Car wash

Greenhouse

# Non-Insulated Roofs

Carports, sheds, warehouses and canopies are typically unheated and feature non-insulated roofing, such as corrugated sheets or steel panels.

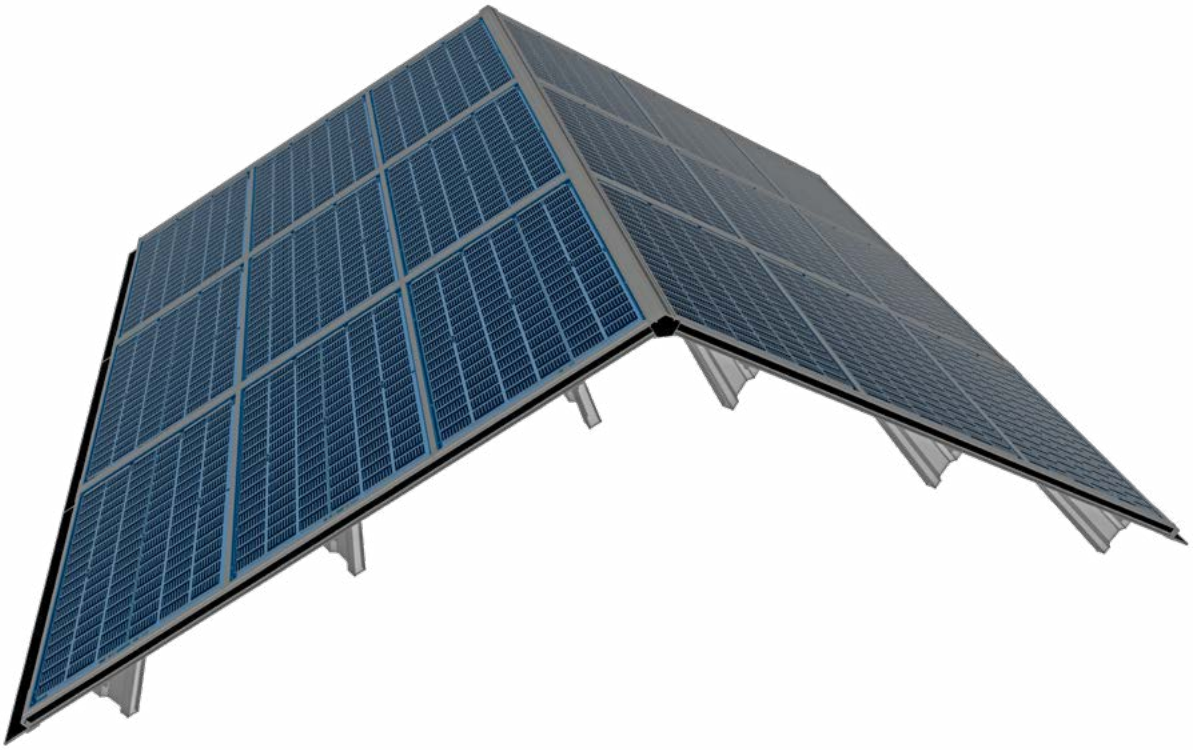
For flat roof structures, a mounting system with an integrated roof function can be installed on the structure. The Sunpark System has been specifically developed for this application.

Pitched roof structures are also suitable. For these, Robisol offers the Sunspan System, where the solar roof is mounted directly onto the purlins.

In both applications, the solar panels function as a structural element as well as the weathertight layer. The natural light transmission is considered an important added benefit.

Gable roof

Carport



## *Sunspan*

The Sunspan System is suitable for gable roofs and mono-pitch roofs. It is installed on a structure of rafters and purlins and can replace traditional corrugated or steel roofing.

The solar panels are connected in a weathertight overlapping configuration, allowing multiple rows to be installed above and below each other. This creates a continuous roof surface that functions both as a structural panel and as a weathertight layer.

The diffuse light transmission provides a pleasant indoor lighting environment beneath the roof.

Example video

A sturdy roof

with beautiful natural light

## *Sunpark*

The Sunpark System is the most comprehensive roofing solution within the Robisol range.

The mounting system, including the solar panels, forms a self-supporting roof structure integrated into robust gutter profiles. These gutters support the panels, provide rainwater drainage and act as beams with free spans of approximately five metres.

The gutters are installed on horizontal beams with a designed slope for drainage. Multiple Sunpark roofs can be installed side by side per beam, allowing for large column spans and optimal use of the space below.

Example video


## *Project Partners*

In projects where multiple disciplines come together, collaboration is essential. Robisol specialises in solar roofs and works closely with structural and electrical partners. Especially in larger projects, a clear division of responsibilities is important. A commonly used structure is:

- Robisol is responsible for the engineering and mounting of the solar roof
- The contractor is responsible for the structure and foundation
- The installer is responsible for the electrical system and energy performance

This collaboration results in a strong combination of expertise, where each party focuses on its core discipline to achieve the best possible outcome.

Scan our contact information and meet our enthusiastic team!