

Historic church in Trin,  
Grisons, Switzerland

# 3S Cultura

The photovoltaic solution  
for historic preservation

# The fascinating power of the sun

Utilising solar power to generate electricity enables consumers to significantly reduce their reliance on conventional energy sources. At **3S**, we view solar energy as the key to a more sustainable world. Our projects effectively contribute to the energy transition and are visually striking **high-tech solutions**.

In addition, to comply with **historic preservation** and regional building regulations, **3S Cultura** offers a wide range of roof colours and individual designs to choose from.

**3S Cultura** allows you to preserve the character of your historic building. At the same time, you can take advantage of all of the benefits of an on-roof solar system in full compliance with your local historic preservation regulations.

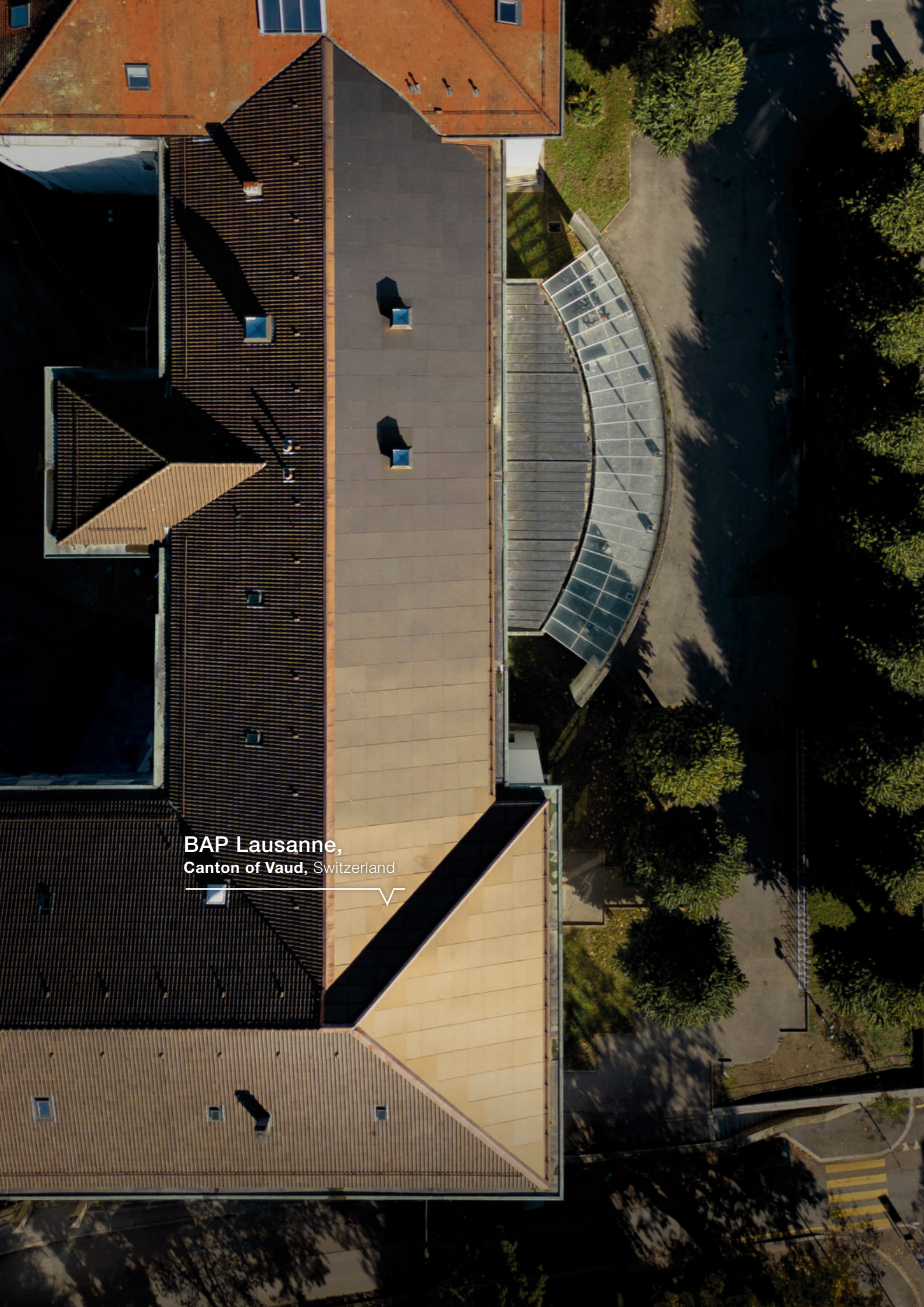


**Dr. Patrick Hofer-Noser**

Founder and solar pioneer 3S Swiss Solar Solutions

Moosburg,  
Bavaria, Germany





BAP Lausanne,  
Canton of Vaud, Switzerland

# Aesthetics for the future

At 3S, aesthetics, durability and resistance are the key to success.

**3S solar solutions** come with a 25-year warranty on 80% minimum output, a 40-year weather resistance warranty and hail resistance class HW5, ensuring customer satisfaction and delivering benefits to society.

The **3S on-roof solar system** efficiently generates energy from sunlight. From photovoltaics and solar thermal energy to skylights, it offers flexibility and integration with cutting-edge technology and aesthetics. **3S Cultura** allows you to take a step towards the future while enhancing the long-term value of your building with an array of benefits.

## Technical highlights

Integrated **3S solar systems** go far beyond simply providing a protective envelope for your building. With a **3S solar solution** for façades or roofs, you can efficiently generate electricity from solar energy. The solutions are sustainable, combining durability, weather resistance and low maintenance. Replacing a module is quick and straightforward, and can be carried out by just one person. The frameless design of the **3S solar modules** guarantees self-cleaning, so as well as always looking good, there is no loss of efficiency due to dirt on the roof. Rear ventilation maintains a consistent flow of air, cools the cells, minimises output losses and boosts the lifespan of the modules.



**Weather resistance warranty**

40 years



**Output warranty**

25-year warranty on  
80% minimum output



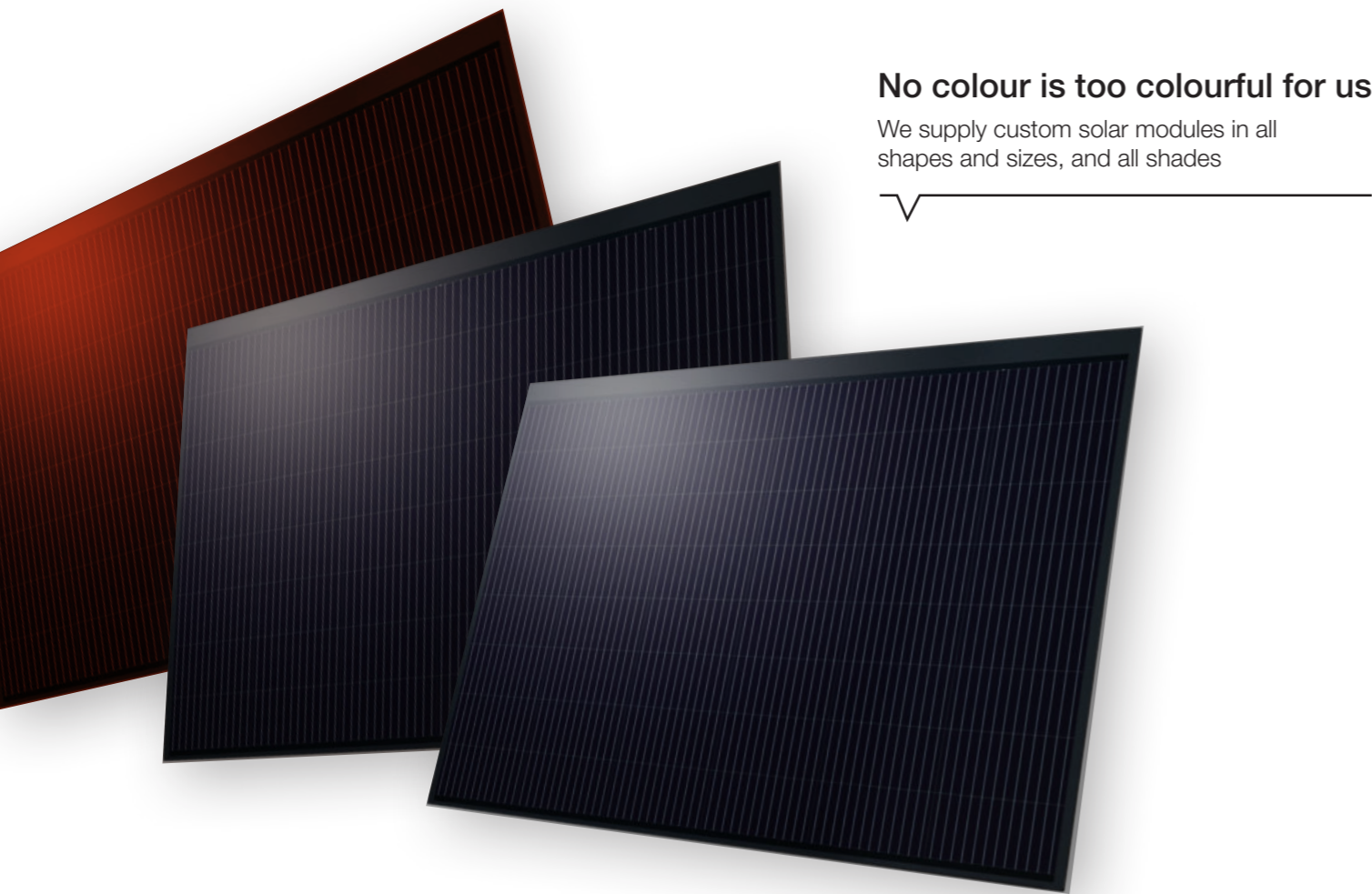
**Output**

Wp up to 195 W  
per L-module

# The perfect form in the perfect colour

**3S Cultura** is available as standard in three different colours that are ideal for preserving the aesthetics of historic roofs and seamlessly integrating them into their cityscape. Bespoke products in a range of desired colours are also possible. The **3S solar system** can be easily installed on complex structures like asymmetrical or dormer roofs and fully adapted to specific requirements. To eliminate any unwanted effects, the **3S solar system** is also available with frosted glass, minimising reflections and glare.

## Standard colour recommendations for renovating historic buildings



# Cultura colour chart



Terracotta



Dark Brown



Dark Grey

Bespoke colours and samples available upon request



# Intelligent, robust and sustainable solutions for your property

## For discerning demands

The **3S system** is a full-surface solution for roofs with a pitch of 3° or more. It replaces conventional roofing materials and offers increased protection against wind, snow and ice. The system has successfully passed hail resistance tests (hailstone diameter of 50 mm at 110 km/h). Boasting a 40-year weather resistance warranty, it is a sustainable and safe investment and far superior to traditional roof tiles.

## Well-designed system

Planning and installing **3S projects** is quick and easy thanks to the well-designed system. The number of components has been kept to a minimum for the **3S solar system**. The hooks and water drainage channels are attached directly to the roof battens. The system structure ensures peak energy yields with optimal rear ventilation, thereby cooling each module efficiently. Thanks to their frameless design, the **3S solar modules** guarantee excellent self-cleaning for a perfect look and durability. Due to its flexibility and well-designed installation components, the **3S solar system** helps you get the maximum out of every roof.

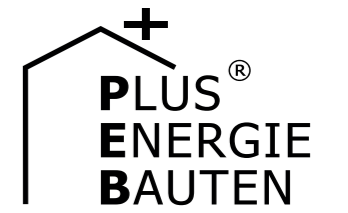
## Simple installation

The frameless **3S solar modules** are shingled just like conventional roof tiles. Installation is carried out by authorised roofers or specialist companies. Thanks to the ingenious system, your building can be equipped to generate electricity from solar energy in next to no time. Our solar modules can be replaced individually at any time without the need for tools. The **3S solar system** can be installed on all standard roof substructures.



Installation example

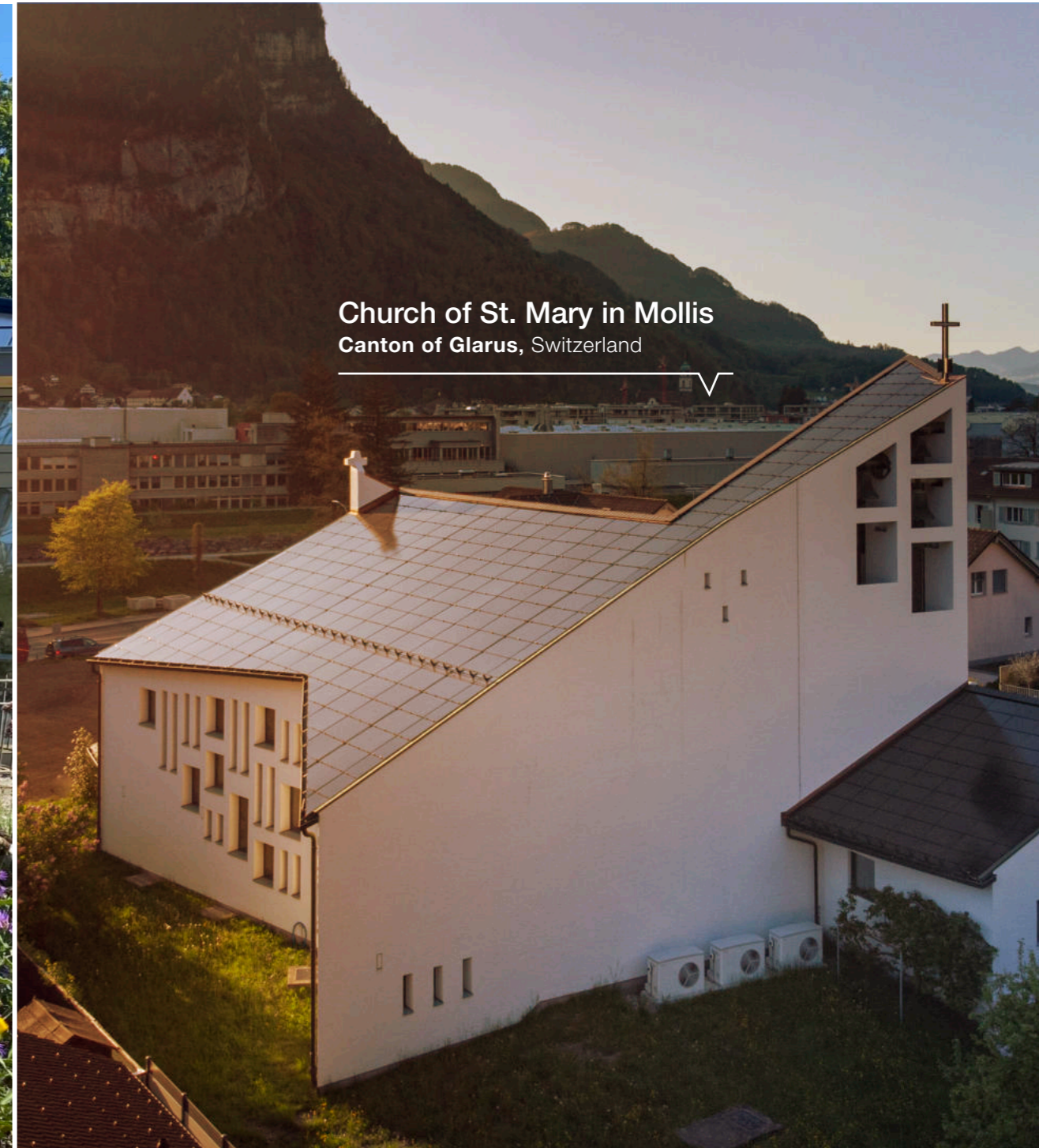
# Award-winning



Farmhouse in Münsingen,  
Canton of Berne, Switzerland



Cottage Courgevau,  
Canton of Freiburg, Switzerland



Church of St. Mary in Mollis  
Canton of Glarus, Switzerland

Discover more inspiring examples showcasing our modules at [www.3s-solar.de](http://www.3s-solar.de)

# Impressive aesthetics



Above the roofs of Bamberg,  
Germany

3S system, photo composition

Aesthetics and sustainability combined in accordance with historic preservation standards. **3S Cultura** ensures that solar technology is not only environmentally friendly and efficient but also integrated into the architecture of historic buildings in an appealing way.

# 6 good reasons for a 3S solar solution

## Experience

For more than 20 years, our pioneering spirit has been the driving force behind the successful installation of over 20,000 systems. Our extensive network and in-depth expertise are the cornerstones of our success.

## Aesthetics

3S solar solutions impress with their aesthetic appeal, creating a prestigious and high-quality overall look for every building. These features significantly enhance the value of the building, which is what makes the system so suitable for historic preservation.

## Protection

**Integrated photovoltaics:**  
3S solar aesthetics create a shell around the building, providing protection alongside electricity generation from solar energy for both newbuilds and renovation projects.

## Sustainability

Durability, recyclability and efficiency are at the forefront of 3S products. Our services in Germany include hail control, traceability, performance analyses and the provision of specialised partners.

## Swiss made

“Swiss made” is more than just a mark of quality, it also embodies the excellence of Swiss engineering combined with over 20 years’ experience. 3S products excel in durability and efficient use of resources.

## Simplicity

3S systems are designed for single-person installation, with individual modules being easy to replace if necessary.

## Our customer service

Our dedicated team of customer service advisers will be more than happy to provide you with comprehensive information and expert support..



**Planning**  
tailored to your individual needs



**On site**  
also in your area



**Info material**  
available online at all times



**Support**  
by phone or online







Every day, we strive for more in our acts and deeds, working for a sustainable future by developing durable products and using resources efficiently.



**More than 20 years' experience**

Over 20,000 completed projects



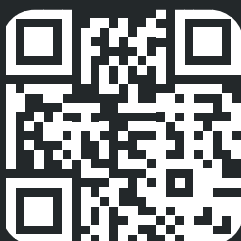
**Swiss made**

Two production facilities in Switzerland



**Team work**

100+ highly motivated employees



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