

# The roof of the future

The Solrif® photovoltaic  
in-roof system







The roof of the future integrates photovoltaic modules (PV) seamlessly. Solrif<sup>®</sup>, the PV in-roof system from Schweizer, replaces the classic tile: rainproof, weather-resistant and durable. Solar energy thus becomes a fully integrated component of the building. The application possibilities are almost unlimited and open up fresh design perspectives for both new buildings and renovation projects. The Solrif<sup>®</sup> PV in-roof system has proven itself on over 100,000 roofs for more than 20 years.

**Dr. Gunnar Johansson**

Head of business unit solar systems

**Dr. Helge Hartwig**

Head of Sales



# Turn your home into your own power plant

Do you value ecology, high-quality aesthetics and a self-sufficient supply of solar energy, even extending to electromobility? Solrif® meets all your requirements – whether for single-family or multi-family homes, new buildings or renovations. There are hardly any limits to the architectural design freedom offered by the system. Solrif® offers numerous possibilities for individual solutions. Even PV modules are available today in various formats and colours. At the same time, with Solrif® Schweizer offers you a solution that is both sustainable and robust. The Solrif® PV modules are laid directly onto a roof truss, as with clay roof tiles. And the best thing about it: the solar roof finances itself in eight to ten years. This not only saves you the cost of roofing but gives you a more sustainable solution in the long term, with Solrif®, than with tiles and roof-mounted modules.

“Whenever high aesthetic standards are required, photovoltaic roof integration with Solrif® is the preferred and sustainable solution. In addition, it is easy to install and reliable – just what you would expect with a system from Schweizer.”

Tobias Huber,  
General Manager, Huber Dachtechnik

Single-family home  
Küsnacht (Switzerland)







Single-family home  
Glattfelden (Switzerland)





Single-family home  
Kappel (Switzerland)



Single-family home  
Obersiggenthal (Switzerland)

**Solrif® for single-family homes  
and multi-family houses**

- The solution for high aesthetic requirements
- Complete self-sufficiency with solar power
- Large design freedom
- Rapid amortisation thanks to extreme efficiency
- Low energy costs in the long term









Halden ecumenical community centre  
St. Gallen (Switzerland)



# Take public and commercial buildings into the solar age

If you look at urban habitats with a bird's-eye view, you will notice that the use of solar energy still holds a lot of potential. In cities and on public buildings in particular, this solution has been less favoured hitherto – either out of consideration for the urban landscape, or because the statics of older roof trusses cannot support the additional weight of PV on-roof systems. The Solrif® PV in-roof system elegantly solves this problem and can bring even listed buildings into the era of solar energy. The benefits for the environment and the long-term savings potential are enormous in every case, even in commercial buildings, where the low energy costs are directly reflected on the bottom line. Solrif® makes it easy for the public and commercial sectors to lead by example.

“The homogeneous appearance of the entire roof surface is important. With the Solrif® PV in-roof system, this can be realised in the best possible way.”

Dieter Hartenstein, Dipl.-Ing. architect (BdB),  
Hartenstein Architects,  
Altusried (Germany)

Eggeli school building  
Sattel (Switzerland)







AWA-Ammersee Wasser- und Abwasserbetriebe gKU, operations building  
(municipal drinking water supply and wastewater treatment plant)  
Herrsching (Germany)

Commercial enterprise  
(Italy)

### Solrif® for the public and commercial sectors

- Elegant solution with respect for the townscape
- Full or partial roof solutions possible
- Weather-resistant, long-lasting and maintenance-free
- High potential savings in energy costs
- An ecological statement for the population and for customers







Town hall  
Stuttgart (Germany)



# Go for solar energy direct from the farm

Ecological awareness is hardly anywhere more pronounced than in agriculture. Here, where nature and homogeneously evolved landscapes are to be preserved, the use of technical foreign elements is often a problem, which Solrif® can help to resolve. And Solrif® is the solution. The photovoltaic panels can be harmoniously integrated into the cultural landscape, thanks to numerous colour and format options. Farmers can thus produce electricity for their own use or for selling. And the excellent CO<sub>2</sub> balance is in nature's best interest. So the Solrif® solar roof is the roof of the future, especially in rural areas – both for the eye and for the environment.

“The Solrif® PV in-roof system is visually convincing thanks to its attractive appearance, high quality and almost frameless modules.”

Luis Garabito,  
General Manager  
WINDGATE Energietechnik

Farmhouse  
Heiterriet (Germany)







Barn  
Meggenhorn (Switzerland)





Kessiboden kiosk  
Arth (Switzerland)





Farmhouse  
Ecuwillens (Switzerland)

### Solrif® for farming businesses

- Purely ecological power generation
- Self-sufficiency with solar energy
- Extremely flexible choice of format and colour
- Can be harmoniously integrated into the cultural and visual landscape
- Long-term reduction of operating costs
- Also suitable for historic monuments and listed buildings





# What will your Solrif® solar roof look like?

The Solrif® PV in-roof system gives you a free hand in the design of your solar roof. Depending on your requirements, it can be realised as a full or as a partial roof. Choose from different formats and colours of the photovoltaic panels. Numerous options are available. Skylights, chimneys, ventilation pipes and other obstacles are perfectly integrated. Blind modules create a homogeneous image and snow catchers ensure safety.





# A comprehensive range of services that is well worth looking into

## **Easy handling and assembly thanks to the modular system**

The Solrif® in-roof system can be used on a very wide range of pitched roofs. Simple solutions for partial areas are possible, as are complete roof coverings incorporating roof penetrations such as skylights or chimneys. Thanks to its modular, tile-like structure, Solrif® guarantees speedy and simple installation. Individual modules can be detached at any point of the roof and can be replaced as required. The clever modular system makes installation simple and highly efficient – up to 20 modules per hour can be laid.

## **Proven quality from the solar pioneer**

Not without good reason, Schweizer is the global market leader for PV in-roof systems. During its development of the Solrif® system as early as in the 90s, Schweizer redefined all applicable quality standards. These are still valid and can be relied on with every Solrif® product. That is how we can still guarantee Made in Switzerland quality today.

## **Planning made easy – with Solar.Pro.Tool from Schweizer**

The web-based planning software supports the entire planning process – all project data can be entered directly and efficiently. Several simple building models are provided by the system for initial clarifications. Through the use of GIS data, even complex roofs can be quickly defined – and where available, CAD plans can be imported. Partial roofs in combination with tile roofing or complete roofs are automatically optimised and designed. Static calculations and load limit checks are likewise carried out automatically. An integrated tool for electrical design and yield simulation based on Polysun is also available.

## **Seamless compatibility with all common PV modules**

The Solrif® PV in-roof system can be combined with all top-quality PV modules. Solrif® modules and mounting accessories are available from our partners in your area. The complete list of partners, and all available PV modules, can be found at [www.solrif.com](http://www.solrif.com).



# 10 good reasons why you should choose Solrif®

**1 Aesthetics** Solrif® fits in, as a completely integrated and high-quality solar roof, with any kind of building or village backdrop – from ultra-modern buildings to historic monuments.

**2 Tried and tested** With Solrif®, Schweizer has been the global market leader in the field of roof-integrated PV solutions for over 20 years, with more than 100,000 roof systems already installed.

**3 High yield** The free lower edge of the module enables self-cleaning and allows snow to slide off.

**4 Up to date** Solrif® is always at the cutting edge of technology – based on the use of Solrif® modules from leading European brand manufacturers.

**5 Compatible** Solrif® PV modules are obtainable from leading European brand manufacturers in a variety of different formats and colours.

**6 Top quality** Solrif® is made to the highest standards of quality, with an aluminium frame and fastening elements of stainless steel.

**7 Flexible** Solrif® can be used for all pitched roofs, with flexible layout and application thanks to the different sizes. Solrif® is suitable for full or partial roof solutions in all common pitches. Obstacles such as skylights or chimneys can be taken into account and challenging connection situations can be resolved using blind modules.

**8 Uncomplicated** Solrif® permits simple planning with the web-based planning software Solar.Pro.Tool from Schweizer. This offers comprehensive system documentation, from static design and electrical planning to roof plans and parts lists.

**9 User-friendly** Simple installation on a roof truss, by the same method used with tiles: large-sized tiles are laid floating on battens with the help of storm clips.

**10 Long-lasting** Long service life thanks to high-quality materials – patented, tested and certified.



Further information may be found at [www.solrif.com](http://www.solrif.com)





# Solid values, made to last

Three firmly anchored brand values shape the thinking and actions of our 100 % family-owned company:

## **Quality**

This is the mission of 450 dedicated employees.

## **Sustainability**

As a sustainability and solar energy pioneer, we live out our responsibility towards society consistently throughout the entire company. This is expressed in our environmentally friendly production methods, and in products that make a valuable contribution to the environment and the climate.

## **Innovation**

Innovation is built into every solution from Schweizer. We have been reinventing metal construction time and again for the past 100 years. Numerous product innovations bear witness to this.



