

Modular. Fast. In partnership.

MSP PV mounting system



The system
for solar
professionals.



Partnership at eye level

Sustainable success, security and trust – these are the standards by which we are measured every day.

As a solar pioneer, Schweizer brings comprehensive expertise for the most efficient and reliable system solutions – and with MSP, the product that has always set standards.

At the same time, our local consulting services ensure seamless planning and project quality right from day one. With Schweizer, our specialist partners can count on a manufacturer that understands their needs and plans for the future.



Thomas Müller, Samuel Schweizer, Christian Birk

Business unit solar systems management



Sustainability is firmly anchored in our actions. The EcoVadis award confirms our strong commitment to environmental protection, social responsibility and sustainable sourcing.

The fastest PV mounting system for all roof types

flexMount-
System

MSP-FR green

The practical solution for a green roof with a broad range of installation options



MSP-FR east-west

The system for the quickest installation and maximum flexibility



MSP-FR south

The high-yield system for southern exposure



MSP-MR metal roof

The durable system for metal roofs



MSP-PR on-roof

The most efficient system for pitched roofs



MSP-FR green – practical and durable

Green roof photovoltaics can be realised easily and **without roof penetration** using MSP-FR green. The system offers a **broad selection** of installation and **maintenance route options**. This combines high performance with **easy roof maintenance**.

The design is characterised by **minimal ballasting**. As it is built directly onto the substrate, the **trades are clearly separated** and the processes can be planned individually. In addition, MSP-FR green features an **integrated cable management system**. Optimizers can easily be clamped onto the system without the need for drilling or screws.

The advantages of MSP-FR

- Maximum flexibility thanks to the **flexMount-System** – compensates for uneven roof surfaces and makes it easier to work around obstacles
- Everything is made to measure and can be assembled with a single tool
- Guaranteed lightning current carrying capacity for all lightning protection classes
- Less ballast thanks to optimised aerodynamics (maintenance routes)
- Can be combined with fall protection (AluTrax)

Specifically for MSP-FR green

- Various options for maintenance routes
- With just one adapter, MSP-FR east-west becomes MSP-FR green



Can be combined with fall protection (AluTrax)

MSP-FR green
Dortmund (Germany)



All technical
details of
MSP-FR green



MSP-FR east-west – flexible and economical

MSP-FR east-west allows for **maximum use of the roof area**. Thanks to its east-west orientation, it delivers high energy yields from the early morning hours until late in the evening. The system is installed **without penetrating the roof** and is suitable for all bitumen, membrane, concrete and gravel roofs.

This design allows for maximum flexibility: **obstacles and uneven surfaces can be easily worked around** and the construction of half-gables is made significantly easier. In addition, the system features **integrated cable management**. Optimizers can be clamped directly onto the system without the need for tools, i.e. without drilling or screws.

The advantages of MSP-FR

- Maximum flexibility thanks to the **flexMount-System** – compensates for uneven roof surfaces and makes it easier to work around obstacles
- Everything is made to measure and can be assembled with a single tool
- Guaranteed lightning current carrying capacity for all lightning protection classes
- Less ballast thanks to optimised aerodynamics
- Can be combined with fall protection (AluTrax)

Specifically for MSP-FR east-west

- Matched to the long-term compressive strength using various base plates
- Quick and easy planning of half-gables

MSP-FR east-west
Lausanne (Switzerland)



All technical
details of
MSP-FR east-west



MSP-FR east-west
Werder/Havel (Germany)

MSP-FR south – efficient and versatile

Thanks to its south-facing orientation, MSP-FR south ensures an **optimal yield at midday**. The system is the perfect solution for all types of bitumen, membrane, concrete and gravel roofs.

The installation does not require **any roof penetration**, offering maximum flexibility. Even **uneven roofs can easily be levelled out thanks to the flexMount-System**. In addition, the module layout can be **freely configured using the variable row spacing**.

The advantages of MSP-FR

- Maximum flexibility thanks to the **flexMount-System** – compensates for uneven roof surfaces and makes it easier to work around obstacles
- Everything is made to measure and can be assembled with a single tool
- Guaranteed lightning current carrying capacity for all lightning protection classes
- Less ballast thanks to optimised aerodynamics
- Can be combined with fall protection (AluTrax)

Specifically for MSP-FR south

- Matched to the long-term compressive strength using various base plates

MSP-FR south
Denmark



MSP-FR south
Thuringia (Germany)



All technical
details of
MSP-FR south

MSP-MR metal roof – simple and durable

With MSP-MR metal roof, installing PV modules on trapezoidal sheet metal and other metal roofs is **ingeniously simple**.

The system consists of **just a few components** and enables the **flexible use** of various module sizes. MSP-MR metal roof is designed so that **no cutting or drilling is required** on site. With three prefabricated profile lengths, it is suitable for all conventional trapezoidal sheet dimensions and can be installed directly on the metal roof.

The prefabricated rails are **available with a sealing strip and a flexible hole pattern**. The range is complemented by a modular clamp with certified equipotential bonding and a 10-cm-high trapezoidal rail for improved rear ventilation.

The advantages of MSP-MR metal roof

- Easy installation with a flexible clamping system
- Suitable for all standard trapezoidal sheet dimensions
- Available in three prefabricated profile lengths
- No moisture ingress thanks to the built-in seals on the trapezoidal rails

MSP-MR metal roof

Göfis (Austria)



MSP-MR metal roof

Dornbirn (Austria)



All technical details of MSP-MR metal roof

MSP-PR on-roof – practical and affordable

MSP-PR on-roof is a cost-effective installation system for all standard PV modules on pitched roofs. The system is characterised by its **small number of components, which are statically perfectly matched** and largely pre-assembled. Thanks to a **click system**, the individual elements can be quickly positioned and the PV modules securely mounted. All parts consist of high-quality stainless steel or aluminium.

With the MSP-PR **on-roof inlay** variant, the framed PV modules are inserted into a mounting profile and secured in place. This installation method protects the **modules even better against temperature-related stress**. They can be mounted in landscape or portrait orientation.

The advantages of MSP-PR on-roof

- Easy installation with a click system
- Pre-assembled connectors
- Anti-rotation components prevent incorrect assembly
- Statically matched components
- Also available as a pitched roof inlay system MSP-PR **on-roof inlay**

MSP-PR on-roof inlay
Cham (Switzerland)



MSP-PR on-roof
Ahlen (Germany)

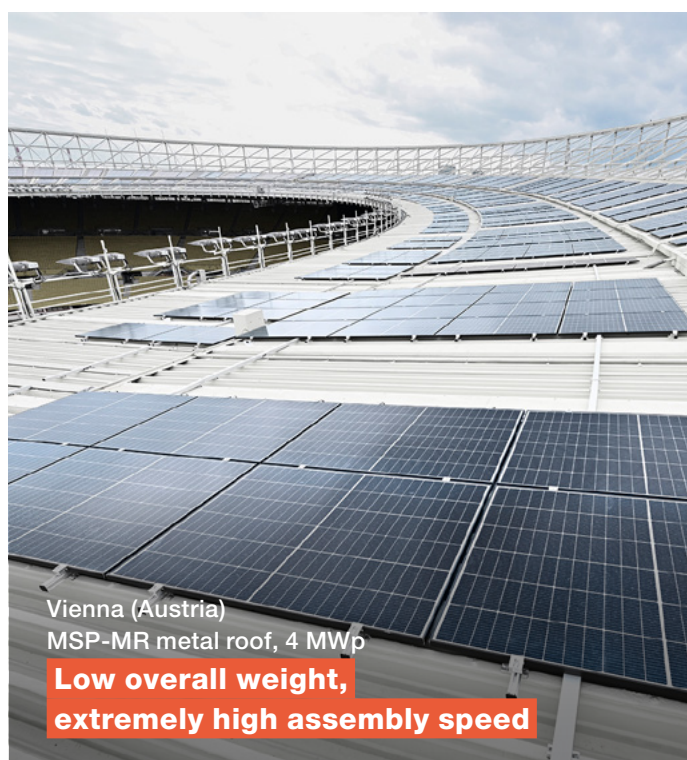
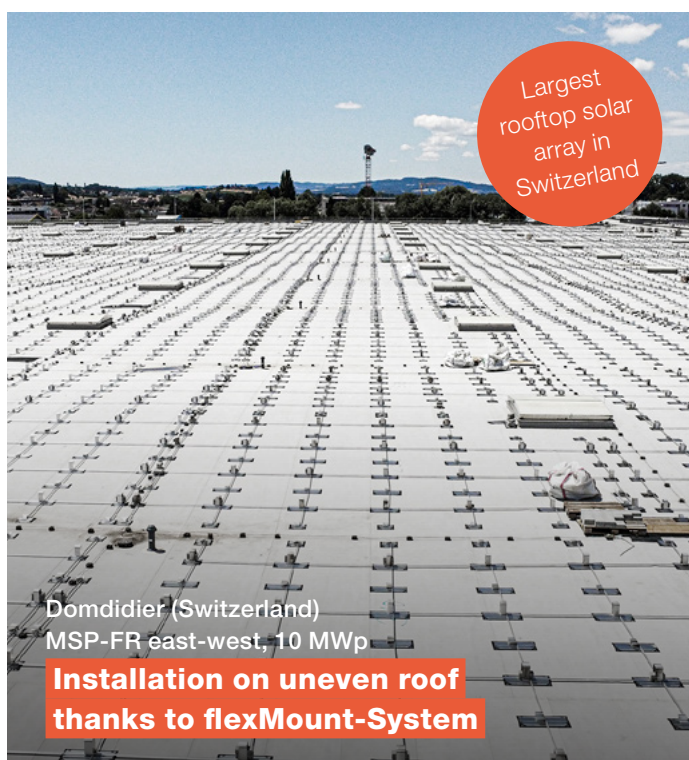


All technical
details of
MSP-PR on-roof

MSP success stories – power delivered to the roof

Together with our specialist partners, we have successfully completed countless PV projects over the past few decades. A selection of inspiring large-scale projects is shown below.

Discover
more
references

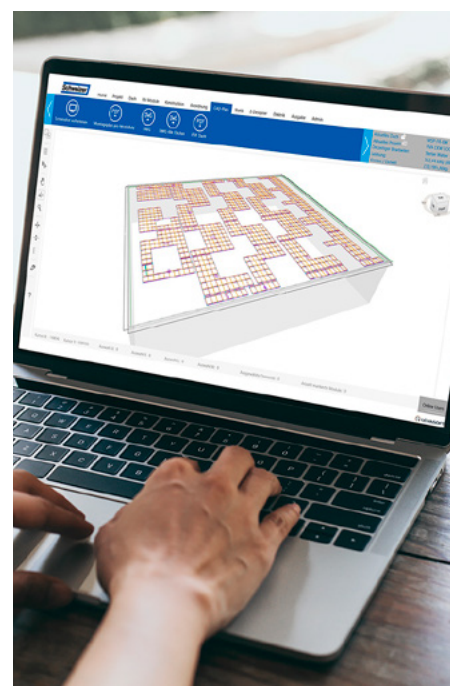


Solar.Pro.Tool – professional planning made easy

The web-based Solar.Pro.Tool planning tool enables the planning of MSP and Solrif systems. The software offers import options for various file formats, options for using satellite imagery, and customisable layout options. Solar.Pro.Tool provides a **comprehensive structural analysis in accordance with Eurocode**, with the option to generate structural drawings including ballasting and spot loads. The **documentation** includes the technical details of the design, such as building parameters, load conditions, occupancy and ballasting plans, as well as parts lists and a greenhouse gas assessment.

Online training: personalised and practical

We will be happy to demonstrate the capabilities of our Solar.Pro.Tool planning software. **We will advise you** based on your **specific client project**.



More information
about Solar.Pro.Tool

Excellent service, a superior system

The name Schweizer reflects our commitment to consistently putting the customer first and to delivering quality. In addition to providing the leading system, we also offer professional consulting and support throughout the entire project, right through to its successful completion.



Professional support

We support our specialist partners from the initial planning stage right through to project completion. Regional sales consultants contribute their technical expertise directly on site.



Reliable delivery

Thanks to a reliable European supply chain and project-specific logistics, high material availability and on-time delivery are always guaranteed.



A partnership of equals

We think ahead and provide a compelling solution, even for complex projects. This attitude is deeply ingrained at Schweizer.



Quick installation with time savings of up to 20%

All components are made to measure and are easy to assemble. That saves valuable time.



flexMount-System, the market-leading flexibility

Thanks to flexMount, uneven roof surfaces can be easily levelled out and obstacles can simply be worked around.



Guaranteed lightning current carrying capacity

Independently tested lightning current carrying capacity of 100 kA, suitable for all buildings without restrictions.



Integrated cable management

Quick installation solution, thanks to a tool-free clip system. The cables can be easily integrated into the system.



Free-flowing roof drainage in all directions

Raised connection rails allow for a flexible roof drainage system.



All components are prefabricated

A sophisticated grid system eliminates measurement errors, cuts and drilled holes. The roof covering remains undamaged.



Professional planning – including structural analysis

Solar.Pro.Tool quickly provides results for the design of the roof, including a project report with a structural analysis.

