



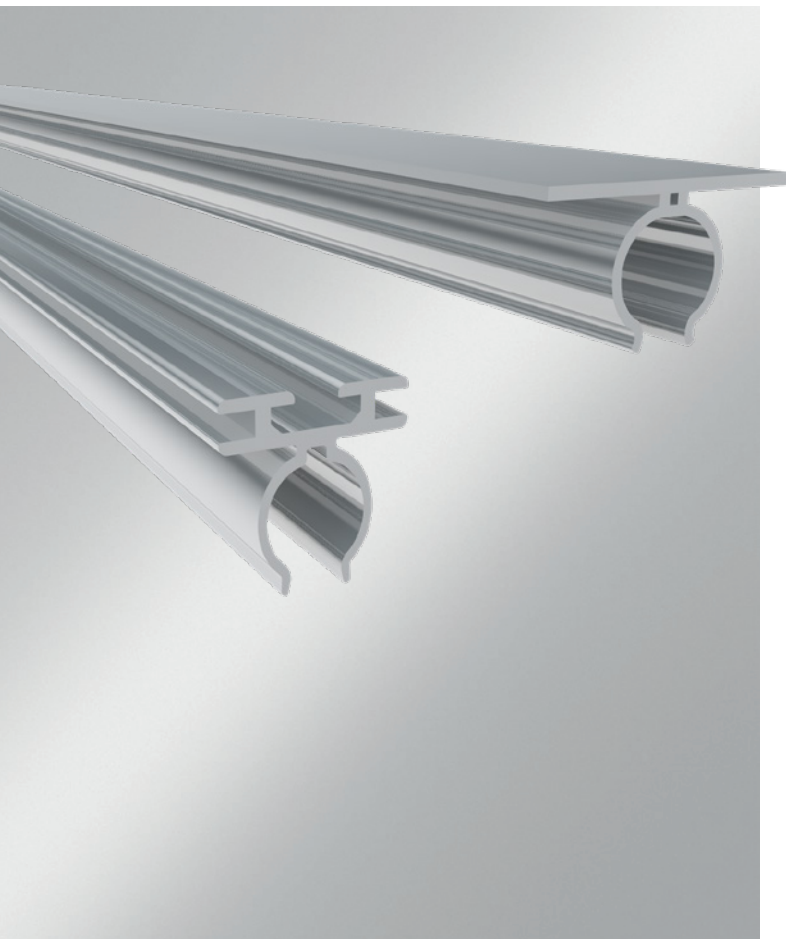
CAPTURING THE ENERGY OF THE SUN – SOLAR ROOFS WITH THE BEMO STANDING SEAM SYSTEM



BEMO STANDING SEAM SYSTEM – THE FUTURE BEGINS TODAY



We all want and need to become independent from fossil fuels. Uncertain supplies, sky-rocketing prices and their advancement of climate change through CO₂ emissions are just some of the reasons to break away from this obsolete form of energy. Use sustainable sources and produce your own energy. Thanks to the BEMO standing seam system, the power of the sun can be captured and fed into the building's energy balance. Invest in the future and reap the benefits now.



DURABLE, DOUBLY SUSTAINABLE AND UNCOMPLICATED

Why not generate your own electricity while also avoiding roofing problems for decades? With BEMO standing seam roofs, that is possible. They are nearly maintenance-free and bear a photovoltaic or solar energy system for decades. There are no screws, no glue that can dissolve and no plasticisers that dissipate over time. The TOP or chord rails are seamed and the modules are clamped onto them. In aluminium, you also have a recyclable material on your roof that will bring in money when removed, while other material costs.

The BEMO standing seam system can be used in both residential and commercial buildings and in public and special constructions. It is suitable for any base and has an expected service life of more than 50 years. The oldest metal roofs are well over 100 years old and are still successfully defying wind and the weather, protecting the buildings from the forces of nature.

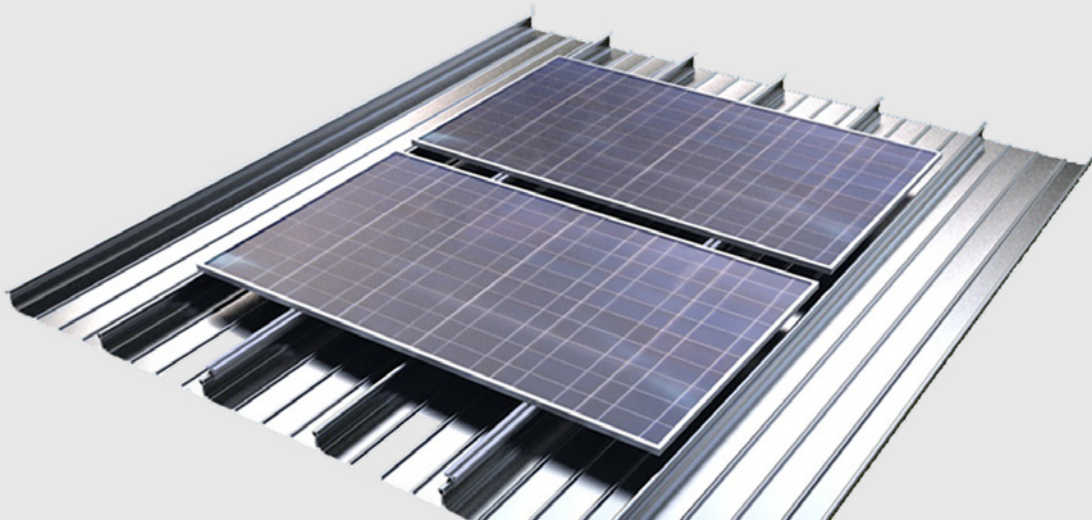
The system only weighs approx. 4-5 kg / m², making it significantly lighter than a lot of other massive roofing. In addition there are spans of up to 2.5 m. Old flat roofs or sandwich roofs can also be renovated quickly and easily and then fitted with solar panels.

IMPLEMENTATION AND SIMPLE INSTALLATION – ON A BEMO STANDING SEAM ROOF



BENEFITS OF A STANDING SEAM ROOF WITH SOLAR PANELS:

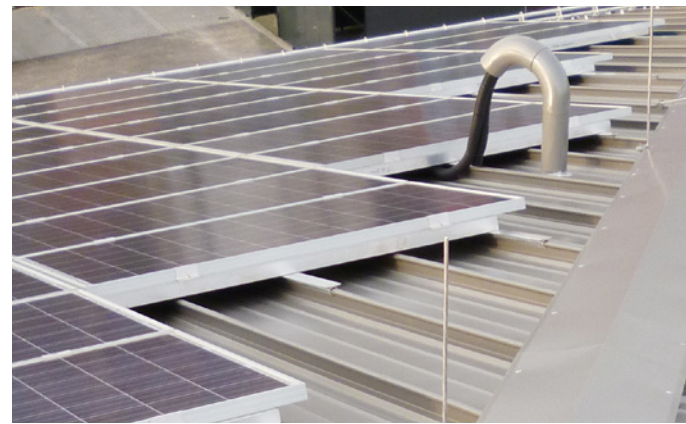
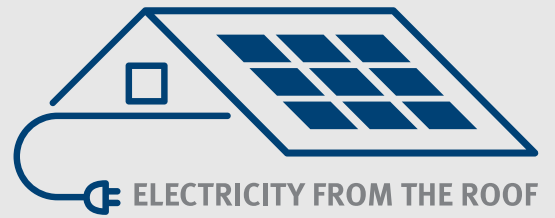
- ❖ Approved and tested for roof pitches from $> 1.5^\circ$
- ❖ No restriction of track lengths. 60 m, 70 m or 80 m in one piece is no problem
- ❖ Low weight of the actual roofing at approx. 4-5 kg / m²
- ❖ Outstanding rear ventilation of the module -> 60 mm and thus maximum efficiency
- ❖ No screws or penetration in the water-draining level
- ❖ Unlike clamps, the TOP and chord rails do not create constraints
- ❖ Linear loads, removed into the system, no point loads occur as with clamps
- ❖ Can be used on any base (steel, concrete, wood, composite)
- ❖ Possibility of elevated installations
- ❖ Can be retrofitted as long as structural requirements are taken into consideration



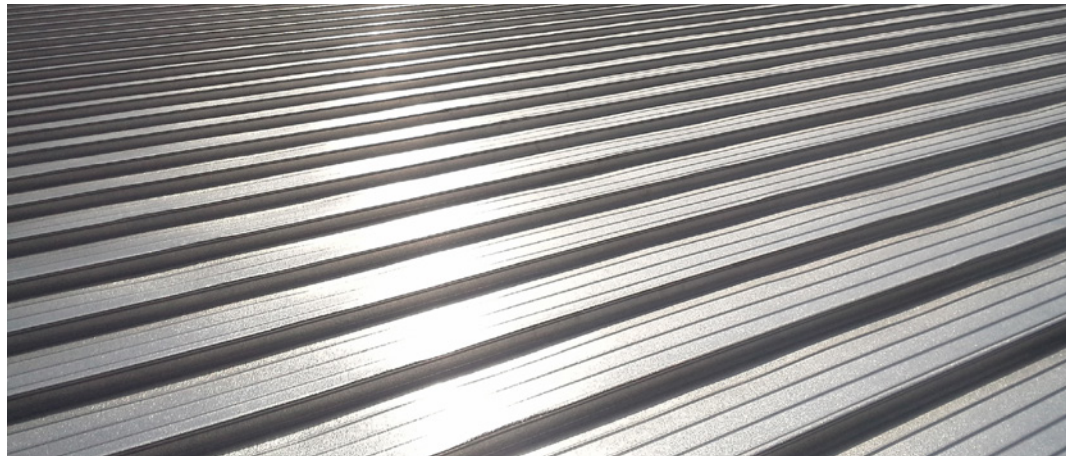
REFERENCES AND DETAILED SOLUTIONS

BENEFITS OF A PHOTOVOLTAIC AND SOLAR THERMAL SYSTEM:

- Own energy supply for electricity, hot water, electric cars, heat pumps, etc.
- Reduced dependency on energy suppliers
- Reduction of high energy costs
- Yield growth with increasing energy prices
- Considerable CO₂ savings
- Summer heat and overheating protection for the roof space
- Financing with favourable KfW loans
- Sustainable investment



▶ Pre-assembled
standing seam roof



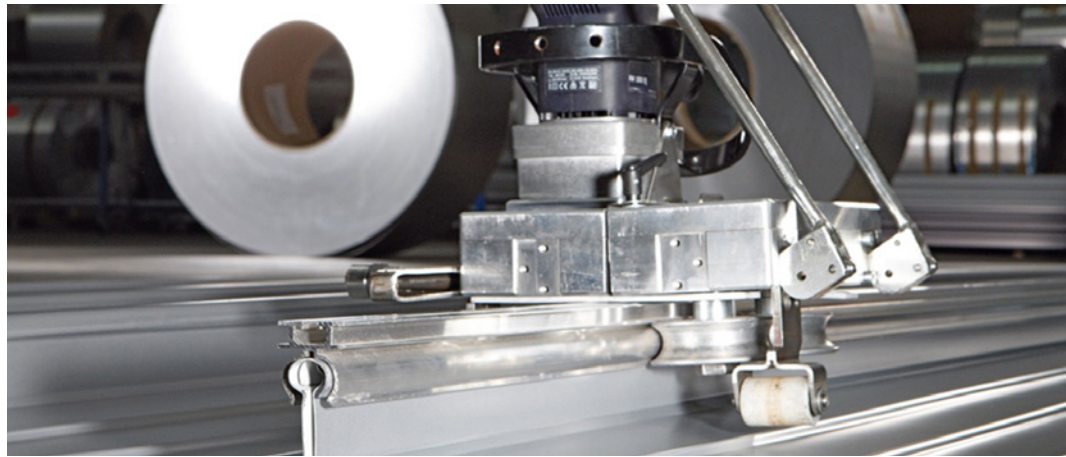
▶ Step 1

Putting on the TOP or
chord rails



▶ Step 2

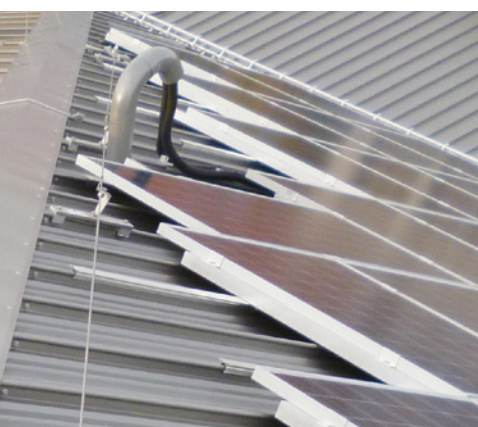
Seaming the rails



▶ Step 3

Installing the photovoltaic
modules





03/2022



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