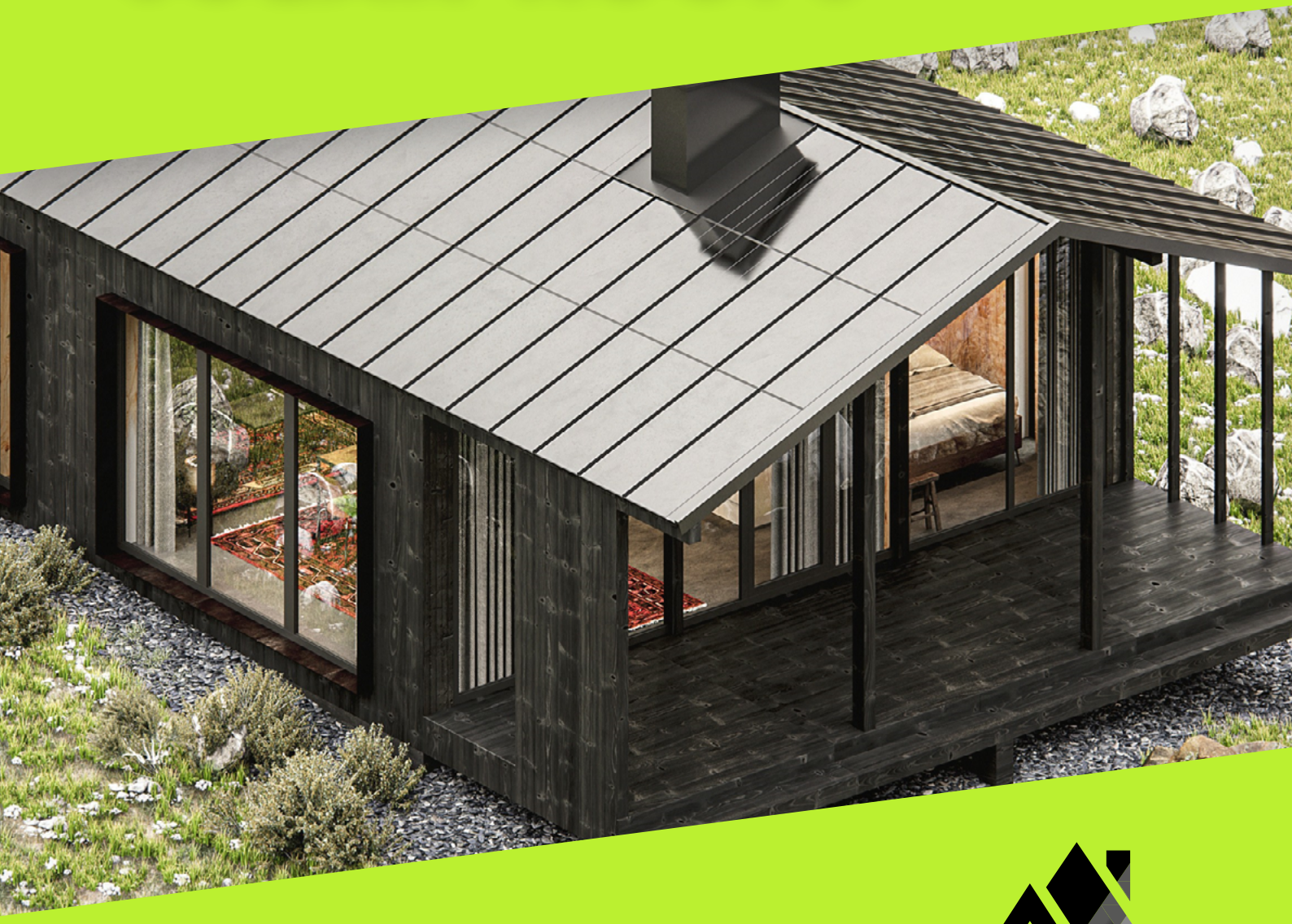
METIGLA
smart covering. simply passion.

FALT SOLAR
by Roofit.Solar
Photovoltaic metal roofs

SMART, SUSTAINABLE AND INNOVATIVE SOLAR ROOFS



RESIDENTIAL

“Renew my roof with expensive tiles and then cover it with solar panels? Aren’t there better alternatives?”

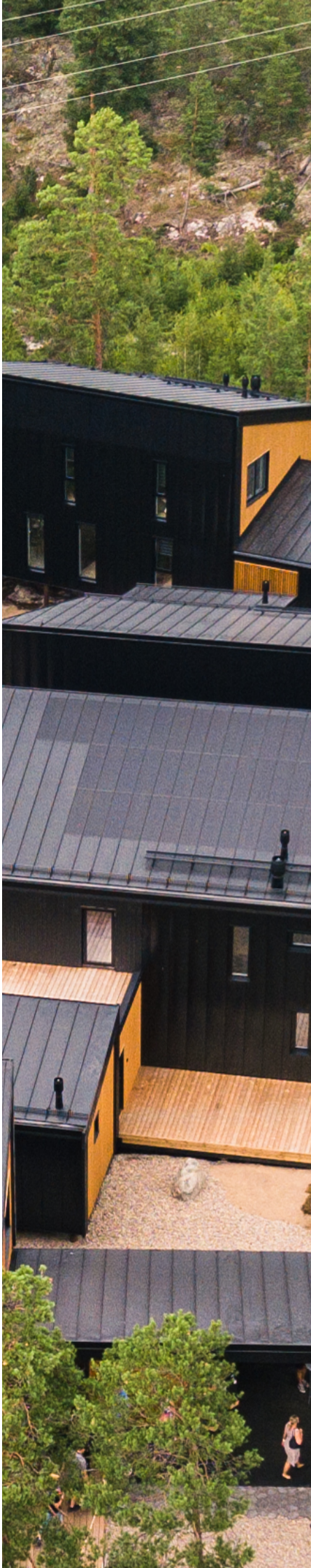
These words probably sound familiar to you when you are looking for a way to make your home more sustainable. Our new product **Falt Solar is the innovative solution for renewable energy,** in the form of a solar roof.

Thanks to this **2-in-1 solar roof,** you generate energy using solar panels without compromising the aesthetics of your home. On the contrary, **its design gives the house a sleek and modern look**. A win-win!

What is Falt Solar?

Falt Solar combines **traditional standing seam design with state-of-the-art solar technology.** The fully integrated metal solar panels (BIPV) accentuates the aesthetics and architectural value of your home. Moreover, it is protected against all weather conditions and produces your own renewable energy.

The best materials are used to produce this 2-in-1 metal solar roof. The result is strong, durable, light and stylish.



6 REASONS TO CHOOSE AN INTEGRATED SOLAR ROOF

1

A solar roof with a unique design

Do you want to switch to renewable energy, but concerned about the look of your home? **Falt Solar's BIPV system ensures that the solar panels completely blend into the roof.** Thanks to the finishing with a classic Falt standing seam panel, you create one beautiful whole.

2

Falt Solar offers a total solution

Integrating solar panels into your roof is a total solution. This is because it reduces material and labour costs for manufacturing and installation. **Moreover, the system ensures that no additional structures are needed after the roof is installed**. So you can immediately enjoy a new roof and the energy yields.

3

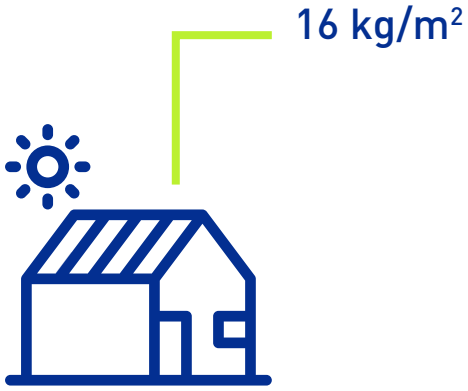
A roof that pays for itself

The more energy you produce yourself, the less you have to buy from the electricity supplier. These savings and any subsidies make the **Falt Solar roof pay for itself** in no time!

4

The existing roof structure is preserved

With conventional solar panels in combination with roof tiles, your roof structure soon has to support 45kg/m². With a weight of only 16kg/m², **Falt Solar is suitable for any roof structure.**



5

Long service life and optimal performance

The standing seam installation method ensures that you are **fully protected against storm and water damage.** Say goodbye to leaks, too, as you no longer need anchors for classic solar panels.

The icing on the cake? Dirt, pests or birds' nests no longer get a chance to end up under the solar panels, blocking air circulation. All you need to do in terms of maintenance is hose down the roof with water in times of drought.

6

An abundance of possibilities

Thanks to the different panel sizes, you can choose to **optimise your roof completely.** This allows you to cover a maximum surface area. Especially for roofs with extensions, row houses and other complex cases, Falt Solar ensures that you get the maximum yield from your roof. The product is also **suitable for facades.** This allows them to achieve higher yields at low sun positions than on a roof. Think for example in the morning, evening or during the winter period.

Panels for roofs and facades

Standing seam

Standing seam consists of vertical panels with raised seams attached to each other, creating a **complete waterproofing.** In countries or areas with severe weather conditions and high rainfall, this is a well-known roofing material. This cladding can also be used on facades, providing numerous possibilities.

Standing seam is increasing in popularity thanks to its **great aesthetic value** and sleek appearance. In addition, they are sturdy, durable, waterproof and have a long lifespan.

What about that steel?

Galvanisation layer

275gr zinc/m²

For our Falt Solar panels, we use **only high-quality steel.** The galvanisation layer of 275gr zinc/m² ensures the highest protection of your steel base against corrosion. On top of this comes an additional colour coating of 50µ pur. Thanks to this coating, you enjoy **high UV resistance for maximum colour fastness.**

Storm resistance

165,5 km/h

Steel roofs have been installed for years and often in the hardest conditions. Steel has enormous storm resistance. Since the entire surface of the roof is hermetically sealed, there is **maximum resistance to wind, rain, snow and frost.** The Falt Solar panels have been tested and approved to withstand a hailstorm of 165.5 km/h without any breakage.

Heat resistance

Fire resistance rating A

Steel roofs are fire and heat resistant. Such a roof reflects heat instead of absorbing it. **This ensures that the house, and in the case of Falt Solar, the solar cells too, stay cooler and perform better.** Falt Solar panels have the highest fire resistance rating (A). Moreover, all electrical components are completely sealed at the bottom of the roofing.

Temperature fluctuations

between -40° C and +85 °C

Finally, heat has another effect on steel: it expands and contracts with temperature fluctuations. So doesn't that have an impact on solar cells? Not to worry, the **lamination technology used captures this expansion.** A lamination layer is provided over the entire surface of the solar cells. Each panel is extensively tested by going through 50 to 200 cycles during which the module is exposed to temperature fluctuations between -40°C and +85°C.

Technische data & guarantees

Power guarantee

25 years (80% power)

IEC 61215:2005

Determines the **electrical and thermal characteristics** of the module and demonstrates its **ability to withstand long-term exposure to certain climates.**

IEC 61701

Test series for determining **the resistance of different PV modules to corrosion by Cl-containing salt spray.**

IEC 62716

Test series to determine the **resistance of PV modules to ammonia (NH3).**

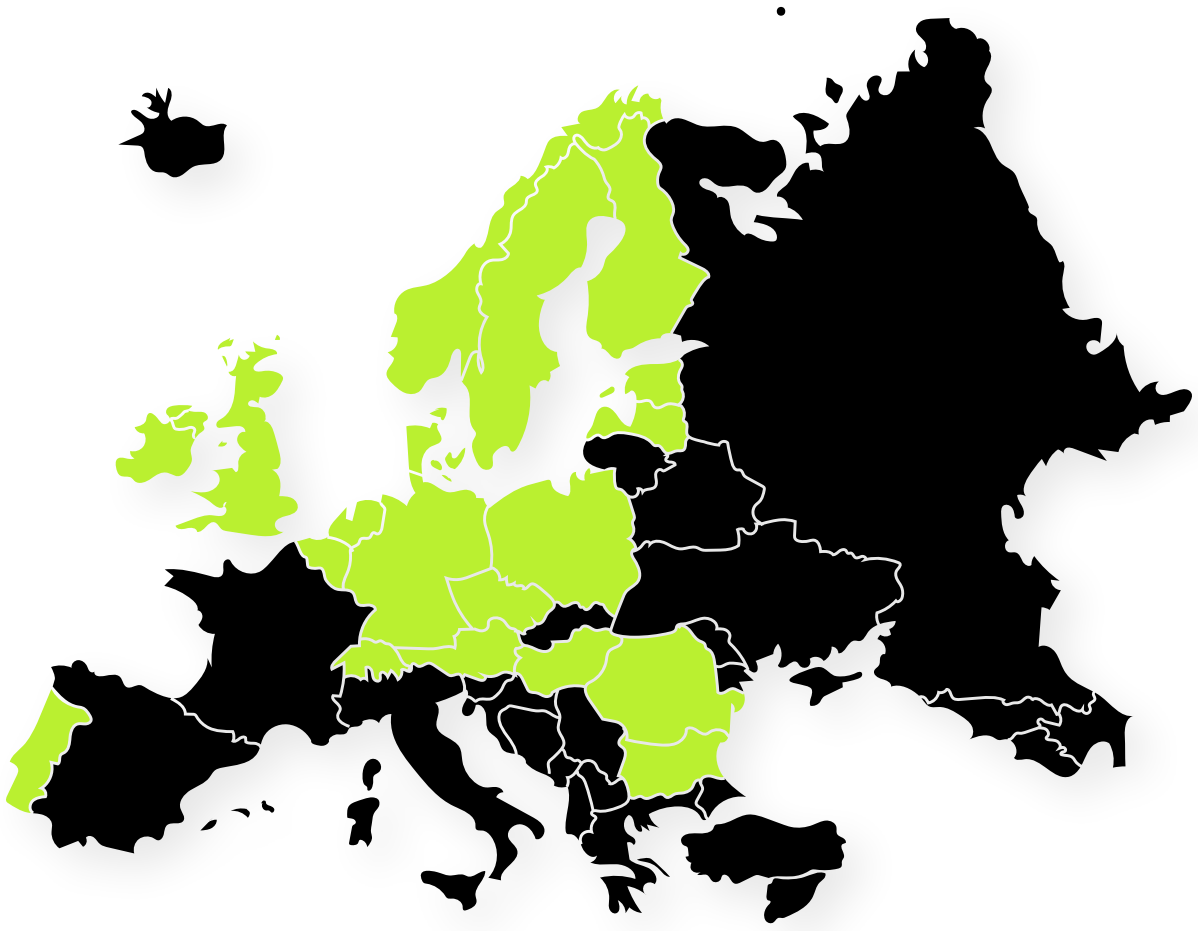
IEC 61730

The basic construction requirements for photovoltaic (PV) modules for **safe electrical and mechanical operation.**

Falt Solar worldwide

Our Falt Solar integrated solar roofs have already **been installed in more than 20 countries worldwide:**

Austria
Belgium
Bulgaria
Canada
Czech Republic
Denmark
Estonia
Finland
Germany
Hungary
Ireland
Latvia
Liechtenstein
Netherlands
Norway
Poland
Portugal
Romania
Sweden
Switzerland
United Kingdom



Who is Metigla?

Metigla is a **Belgian family company. Since 1984**, we have been manufacturing our own various solutions for cladding both industrial and residential roofs and facades.

Under the leadership of Philippe Somers, **the production facility in Romania was opened in 2000.** Meanwhile, sons Cedric, Michel and Olivier joined the business. Cedric and Michel focus on market development in the BeNeLux and France and Olivier takes care of the operational side of the production facility in Romania.

Metigla is **known for delivering the highest quality** and seeking **long-term partnerships.** We aim to continue investing in innovation to expand the product range.

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METIGLA
smart covering. simply passion.

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