

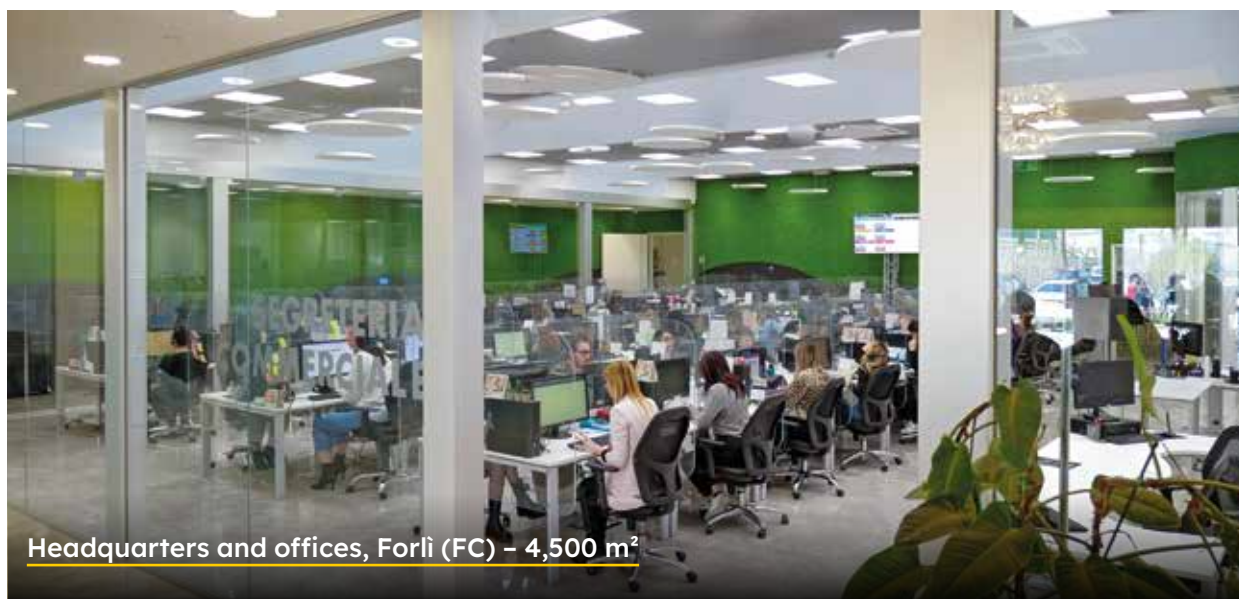


LUMYRA

THE FUTURE OF ENERGY

Photovoltaic Roof





Headquarters and offices, Forlì (FC) – 4,500 m²



Production and logistics center, Budrio (BO) – 15,600 m²



Operational and logistics center, San Lazzaro (BO) – 35,000 m²

The Company

Lumyra is the **business-focused brand** of New Time S.p.A., Italy's leading company in the design, sale, and installation of **outdoor solutions** that combine comfort, design, and energy efficiency.

The company is solid and well-structured.

With **over 850 employees** and more than **25,000 installations** completed throughout Italy, it has consistently distinguished itself through industry innovation, financial growth, and ability to generate new jobs



Mission

Lumyra was born from an ambitious vision: to make light, energy, and innovation **accessible to all**. Its mission is to guide and support industry professionals with a range of **advanced photovoltaic products** that improve people's lives and the environment around them.

Production

With two **operational centers** in Budrio and San Lazzaro covering a total of **over 50,000 sqm**, Lumyra is the ideal partner for those seeking a reliable, experienced provider capable of responding efficiently to market demands.

Photovoltaic Roof Tiles

The innovative full-roof integrated solution

Lumyra's photovoltaic roof tiles represent the new frontier of sustainable roofing, combining the visual appeal of traditional roofing materials with the ability to generate clean energy.

✦ BUILD A SUSTAINABLE FUTURE

Join us in turning rooftops into clean energy sources without compromising architecture or the visual harmony of the surrounding landscape.

A Guaranteed Investment!

A traditional roof is an expense — a photovoltaic roof is a guaranteed investment!

The alternative to conventional panels

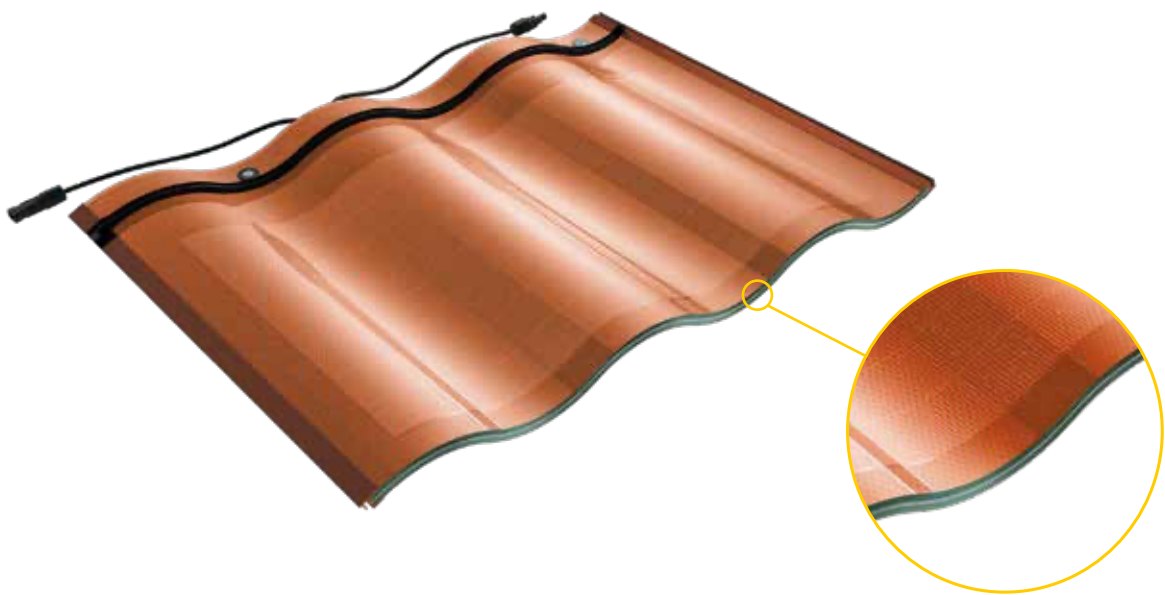
Generate **your own energy** and reduce your dependence on the traditional power grid.



Glass Photovoltaic Roof Tiles

Strength, durability, and guaranteed efficiency

Made from certified tempered glass, these tiles are the ultimate roofing solution, offering unmatched resistance, waterproofing, and long-term durability — ensuring both protection and aesthetic value over time.



Glass tiles are:



Durable



Recyclable



Walkable



Energy
producing



Mold and
bacteria
resistant

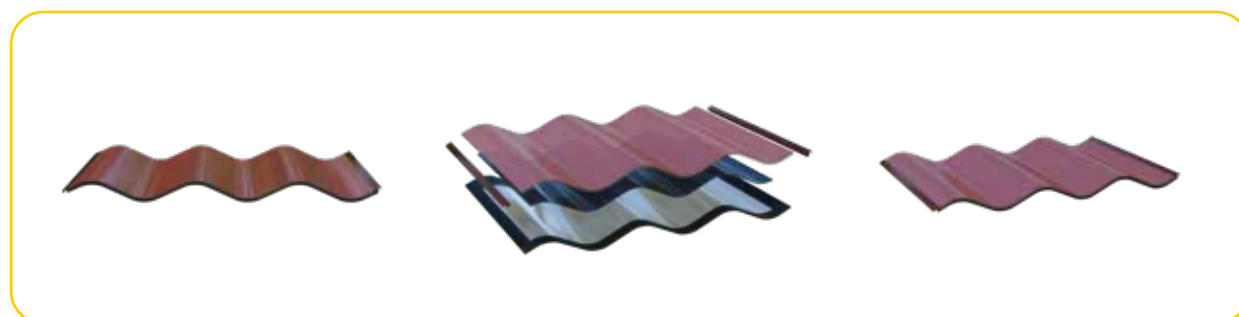
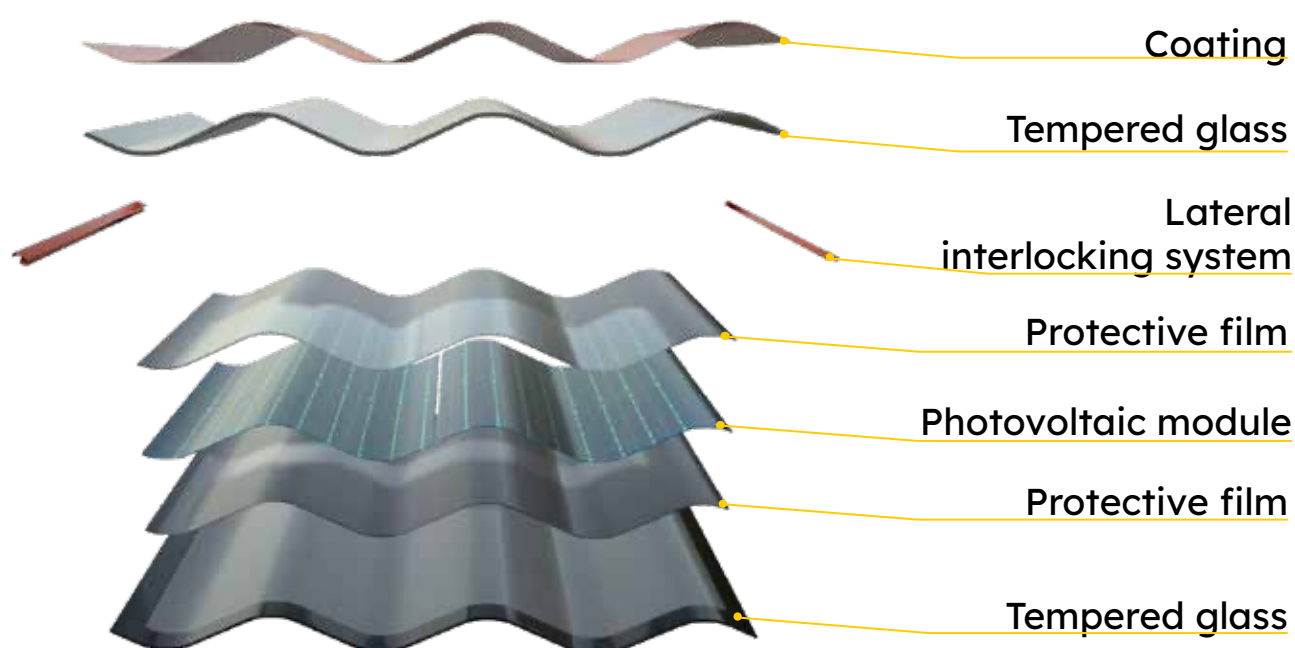


Waterproof

Technical Features

High-efficiency photovoltaic cells

Photovoltaic tiles use cutting-edge technologies that make them highly efficient, capable of generating energy even with indirect sunlight and in less-than-ideal conditions.



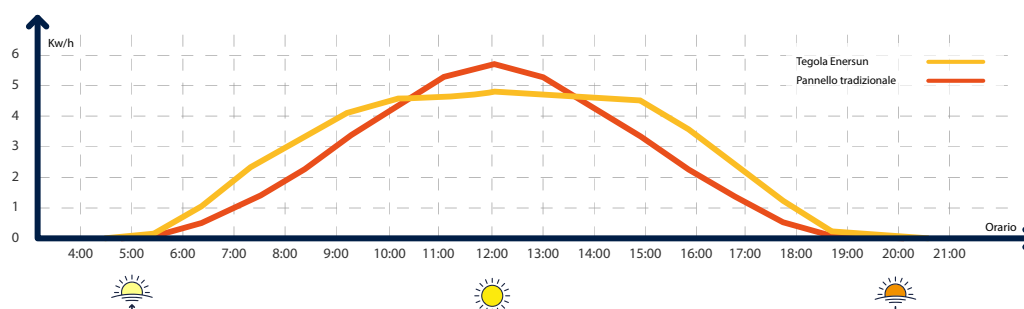
Technical Data Sheet

	Black	Red		Black	Red
Maximum Power Output	30 W	25 W	Certifications	CE + IEC61730-1:2018 + IEC61730-2:2018 + IEC61000-26-3:2021+ IEC61000-6-1:2019	
Maximum Power Output per m ²	103 W/m ²	86 W/m ²			
Measurement Tolerance	-1/+1%	-1/+3%	Junction Box and Connectors	MC4 IP67	
Maximum Current (Imp)	3,50 A	3,09 A	Dimensions (L×W×H)	720x500x31 mm (+/- 2 mm)	
Maximum Voltage (Vmp)	8,60 V	8,10 V	Units per m ²	3,48 units	
Short-Circuit Current (Isc)	4,00 A	3,60 A	Weight per m ²	22,00 kg	
Open-Circuit Voltage (Voc)	10,60 V	10,30 V	Operating Temperature Range	-40 / +85 °C	
Module Efficiency under STC	8,33%	6,94%	Fire Reaction Class	A	
Maximum System Voltage	1000 V		Warranty / Production Warranty	15 / 80% after 25 years	

Advantages

Energy production with diffused light

Photovoltaic roof tiles are less affected by orientation and roof pitch compared to traditional solar panel systems.



While they **perform excellently** under direct sunlight, they provide a significant advantage when exposed to indirect or reflected light, ensuring **stable energy production** even during **winter months**, in **shaded areas**, or under **adverse weather conditions**.

	Direct light	Diffuse light	Reflected light
			
			

Accessories

Available in various finishes and colors

For industry professionals (designers and installers), the tiles are marketed with a full range of accessories that turn them into a complete roofing system.



Perimeter
Tile



Ridge
Tile



Three-Way
Ridge Tile



Two-Way
Ridge Tile



Concave
Roof Tile



End
Tile



Support Profile for
Tile Mounting



Substructure
Profile



Tile Hooks
(Pair)



End Tubular
Profile

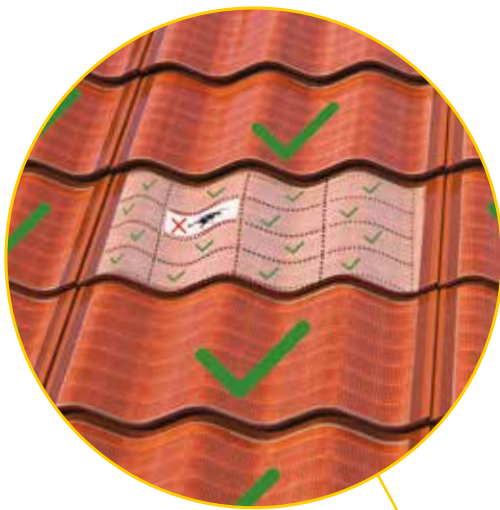


Grid

Product Advantage

Greater performance in shaded conditions

Each photovoltaic tile contains 2 energy-producing zones, meaning that one square meter includes at least 7 active zones. This configuration significantly **improves performance** compared to traditional panels **when shaded or partially covered**.



LESS AFFECTED BY THE MISMATCH EFFECT

That is, the chain effect where one shaded or damaged module negatively impacts the performance of the entire system.



Greater protection against microcracks

The tempered glass and the flexibility of the solar cell used make the tile inherently **more resistant than standard market requirements to hail**, impact, foot traffic, thermal expansion, and snow load.



No hot-spots or heat accumulation

The Lumyra roof is ventilated, and the photovoltaic tiles do not create cavities where birds or animals can nest, thus **reducing fire risk**. Additionally, being made of glass, they are immune to vegetative issues such as moss growth.



For a Greener Future

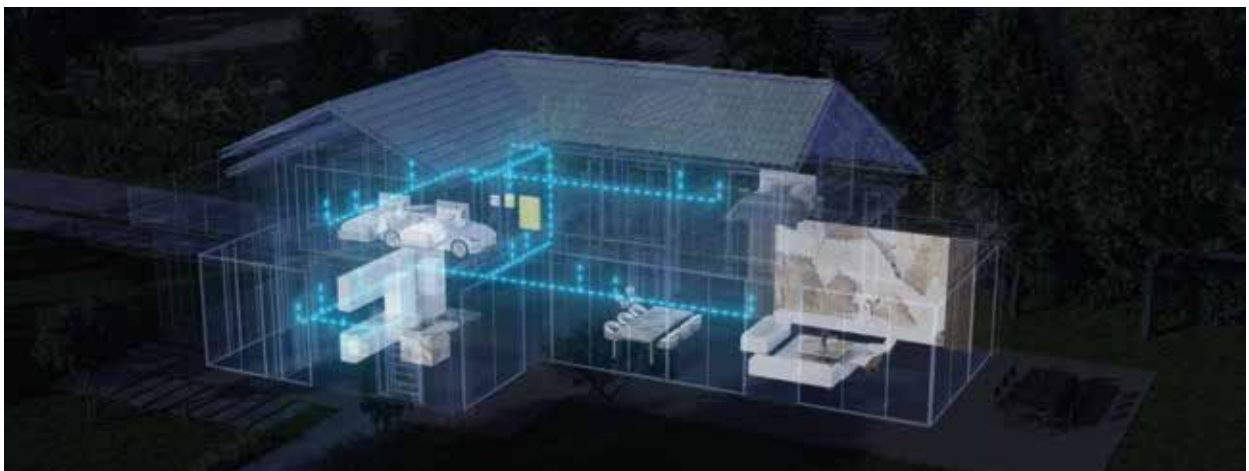
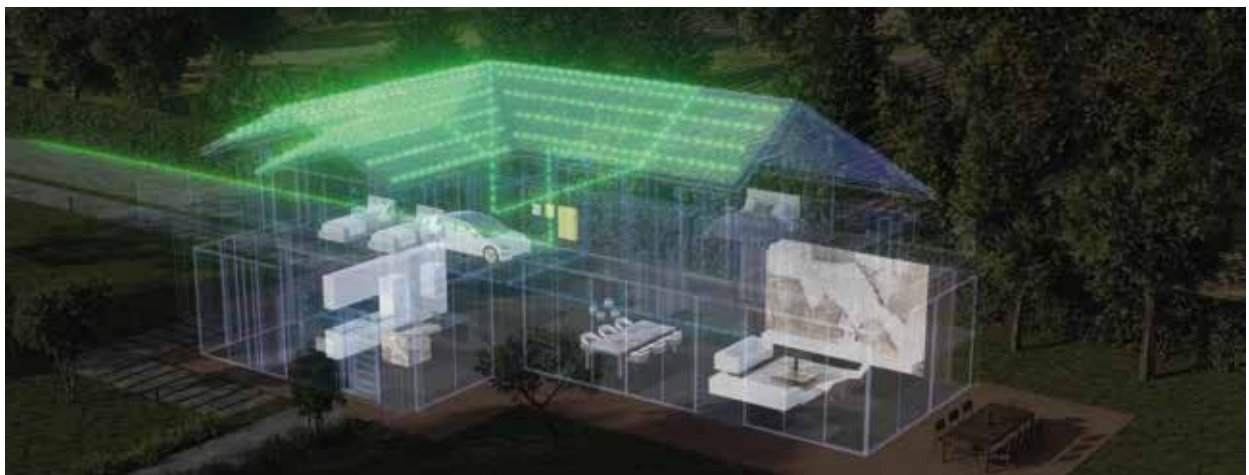
Towards energy independence

Photovoltaic roof tiles cover the entire surface of the roof, enabling greater energy output to meet the growing demands of an increasingly technological and energy-driven future.

- ✦ By combining this solution with other photovoltaic systems, it becomes possible to move toward **ENERGY INDEPENDENCE**, gradually reducing reliance on the national power grid.



A decisive step toward electrical self-sufficiency — and a tangible commitment to reducing environmental impact.





NEW TIME S.p.A. - Via Campo dei Fiori, 4 - 47122 Forlì (FC)
P. IVA: 03700900404 - Cap. Soc. €5.000.000,00 i.v.

www.lumyraenergy.com