



PHOTOVOLTAIC INSTALLATION SYSTEM
FOR FLAT ROOFS





Why choose **SOPHIA** advantages compared to existing systems



- Easy to assemble
- Reduced laying time of the structure
- Reduced installation time of the photovoltaic module



Cost reduction of the photovoltaic system



Structure in Restylon-G30 (Structural composite
techno polymer charged with glass FIBRE)
Fit also for corrosive environments (ex. marine zones)
100% Recyclable



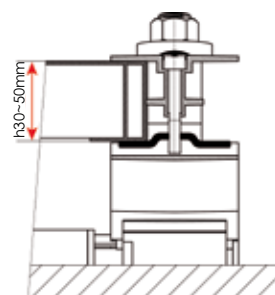
20 years Warranty



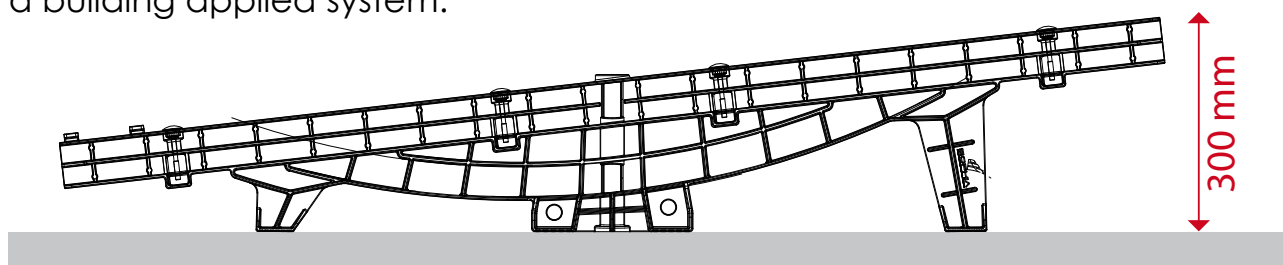
The system can be enlarged with a reduced number of components.



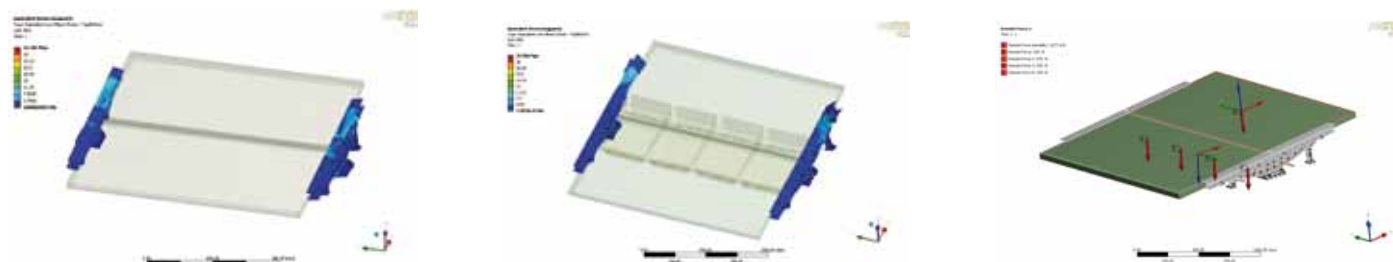
The photovoltaic modules can be assembled with a variable thickness between **30 and 50 mm**.

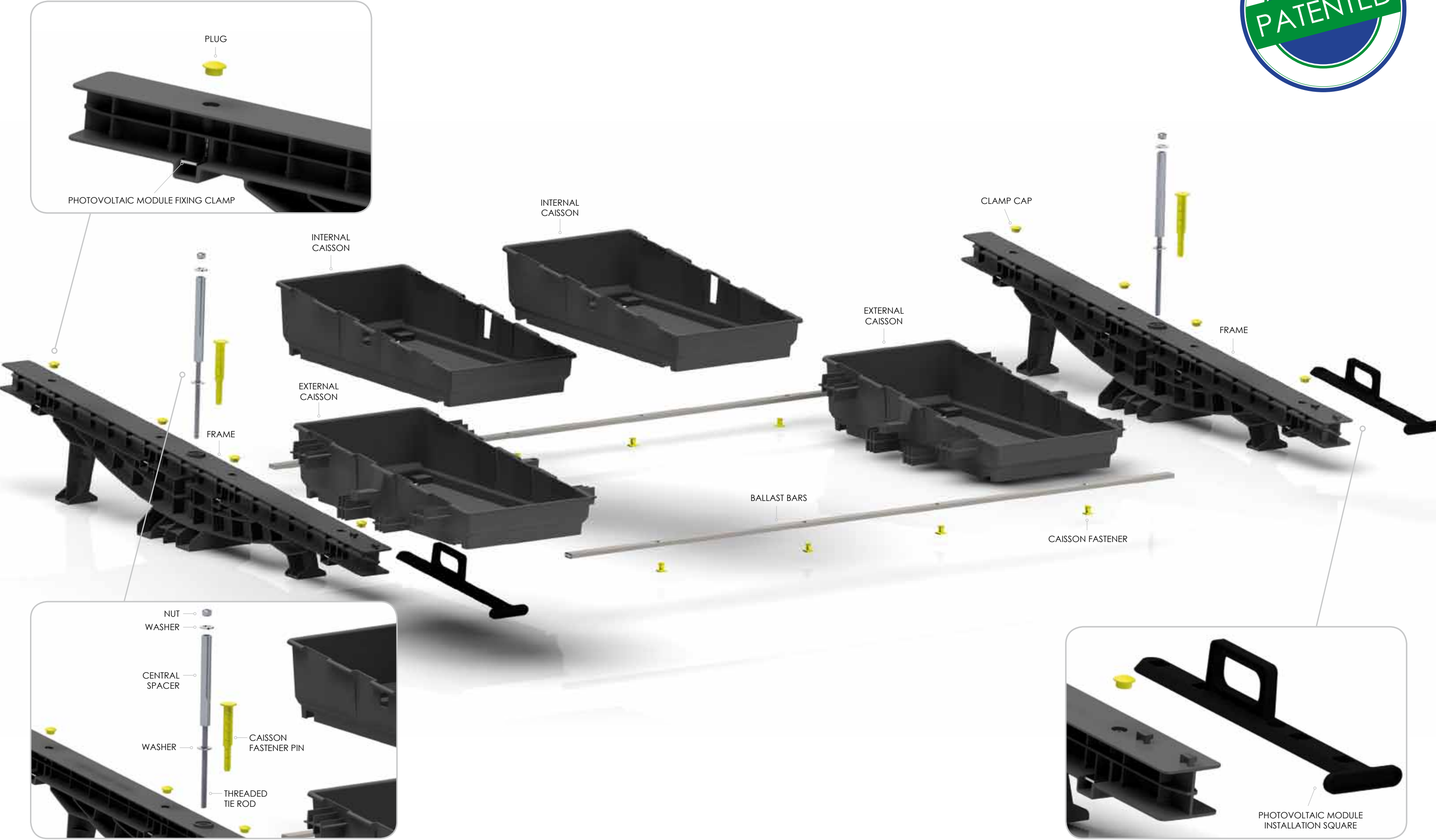


On the Italian market, **SOPHIA** respects the limit given by the V Energy Account (V Conto Energia) to be considered as a building applied system.



The **SOPHIA** structure has been tested with advanced structural analysis (FEA).







* Light Ballasted Solution

* System complying with the V Conto Energia, i.e. the V Energy Account according to the Italian law (h minor that 300mm for roofs without balustrade)



* Heavy Ballasted Solution

Anchored

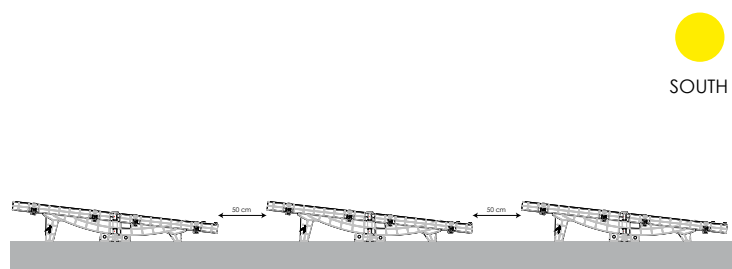


* Anchored Solution

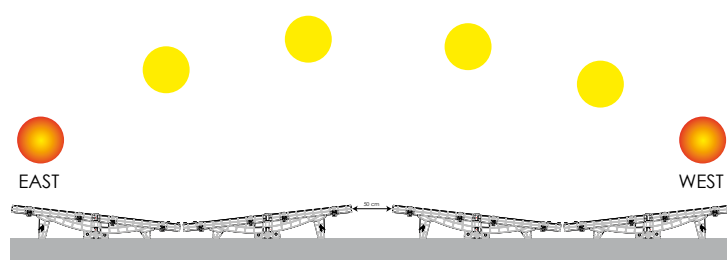


* Anchored to the ballast Solution

Installation types



Southern exposure



Eastern to Western exposure



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