

**"The structures are the
materialization of the
forces acting on a project."**

Pier Luigi Nervi
Italian Architect

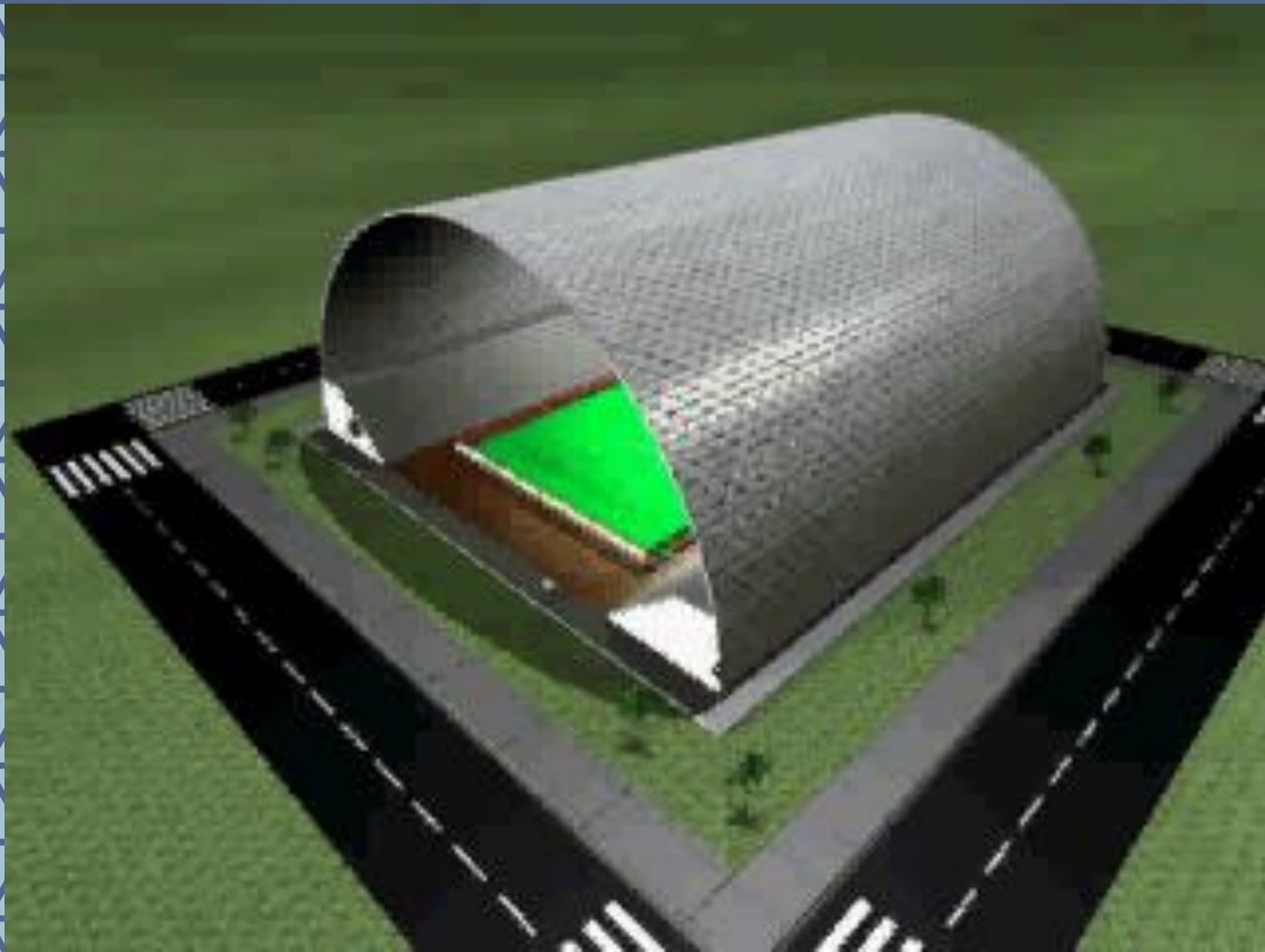


CONSTRUCCELL



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**Construcell is a technology
committed to sustainability
and energy efficiency.**



**The Construcell technology
was awarded gold medals at
European technology
exhibitions
in Geneva and London.**



Genebra 2000



Londres 2000

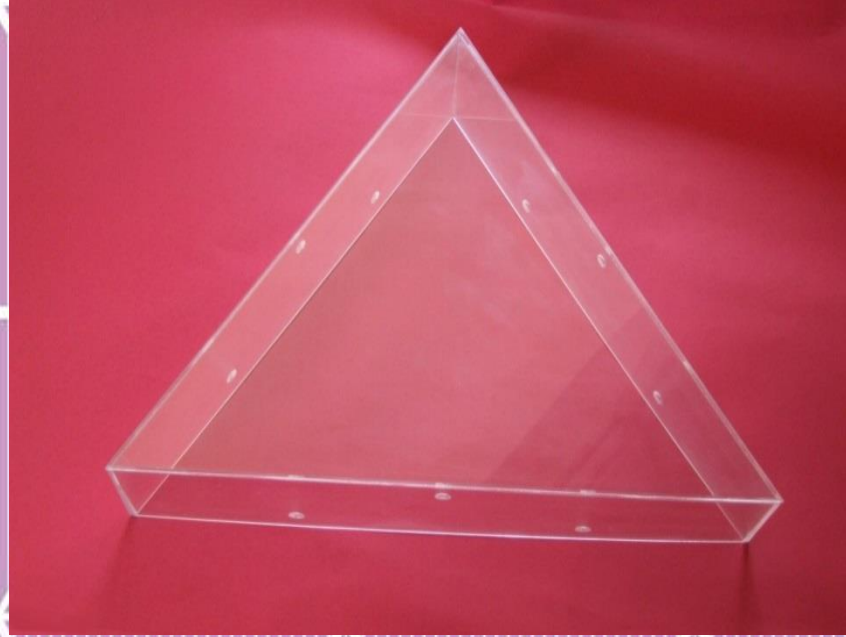


In 2009, the Ministry of Science, Technology and Innovation/Finep launched the only edition of the contest to support start-ups (Prime), Construcell was ranked first, obtaining 10 on Innovation Degree.



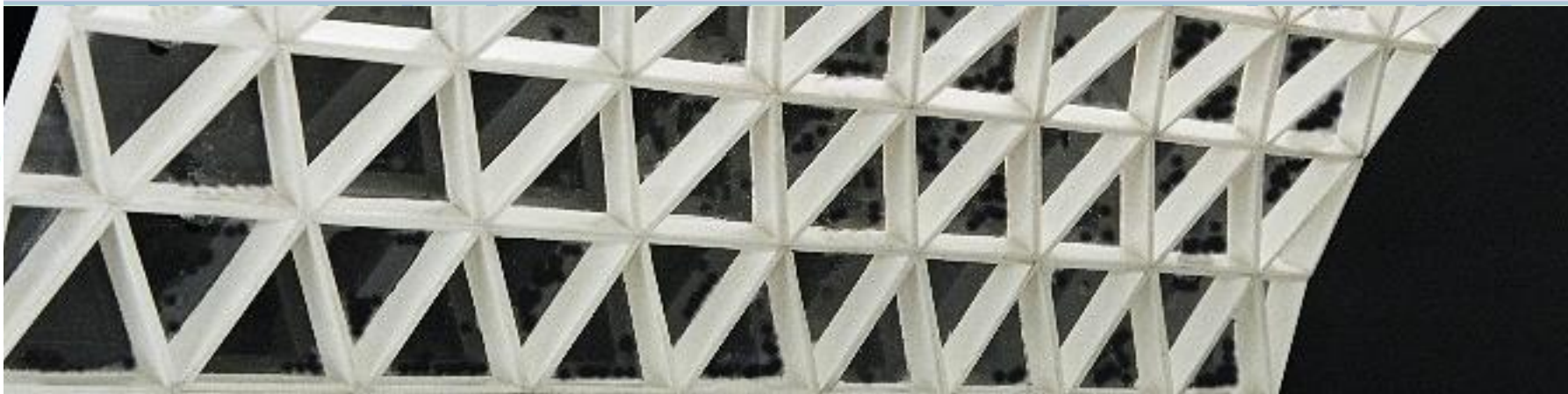
Construcell has already been presented in lectures at the Federal Council of Engineering and Agronomy (Confea), in the Regional Council of Engineering and Agronomy (Crea-PB); in the Master in Structures and in the Master in Architecture of UnB; in the 19th Brazilian Congress of Architects; in the 5th Brasilia Architecture Biennial and other events.





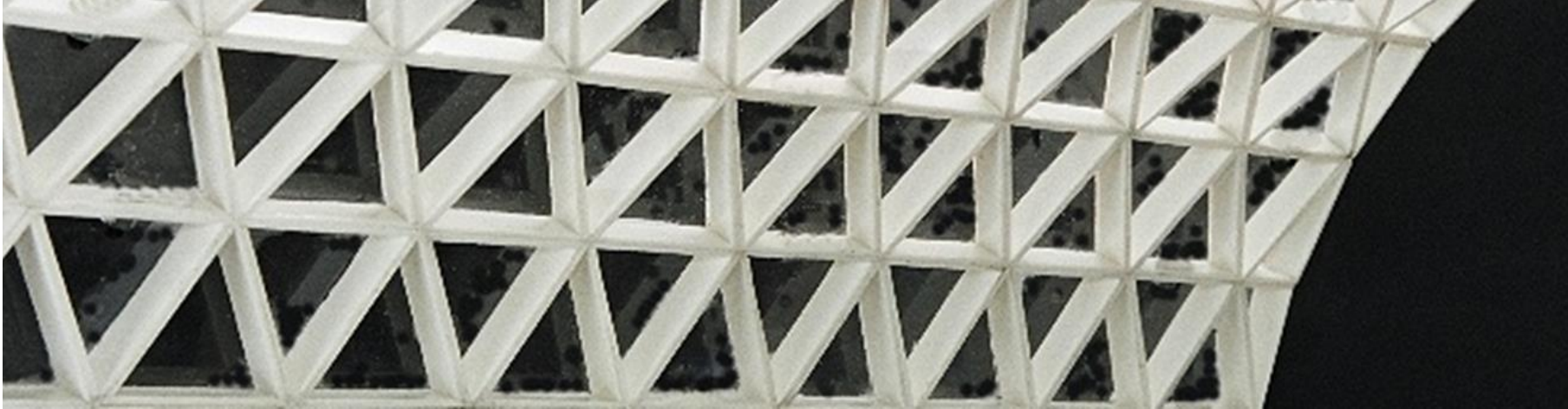
Construcell is based on a triangular prismatic module that works at the same time as a structure and a cover.





Each module has two orthogonal sides and the third receives a corresponding slope to the amplitude of the arc to be reached.





The junction of these modules results in a cylindrical shell with the benefits from synergy of structural principles of the trusses and the arc-of-compression.



Construcell was created with environmental commitment, which allows the manufacture of modules from waste PET bottles, discarded in nature.



**We can use minerals such
calcite, or vegetable fibers
in the composite
formulation.**



When the modules are transparent, we can apply a photovoltaic plate in each one and turn the building into a solar power plant.



The geometric configuration of Construcell typology, resulting from pan oriented beams system, ensures high structural stability, allowing the construction of large self-supporting roofs without inside pillars.

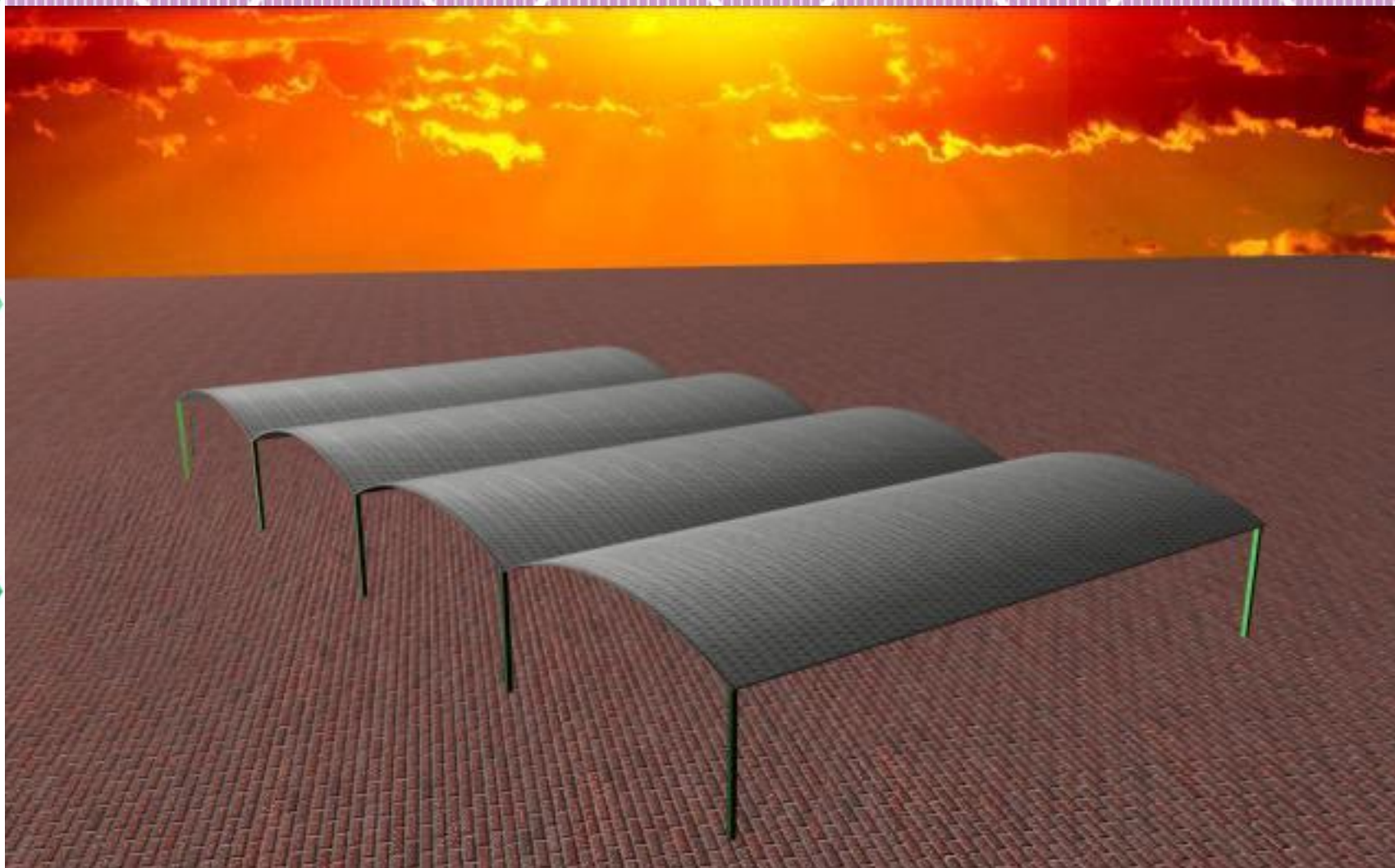


**The demands for this system
are diverse and serve a
wide variety of applications.**



The Construcell system can be used to cover football stadiums, hangars, industrial sheds, convention and cultural centers, warehouses, greenhouses and other constructions that require large coverage.





The exclusive Construcell's structural configuration resists earthquakes and strong winds. This technology can be very useful in the installation of shelters to house the victims from environmental disasters and others uses.



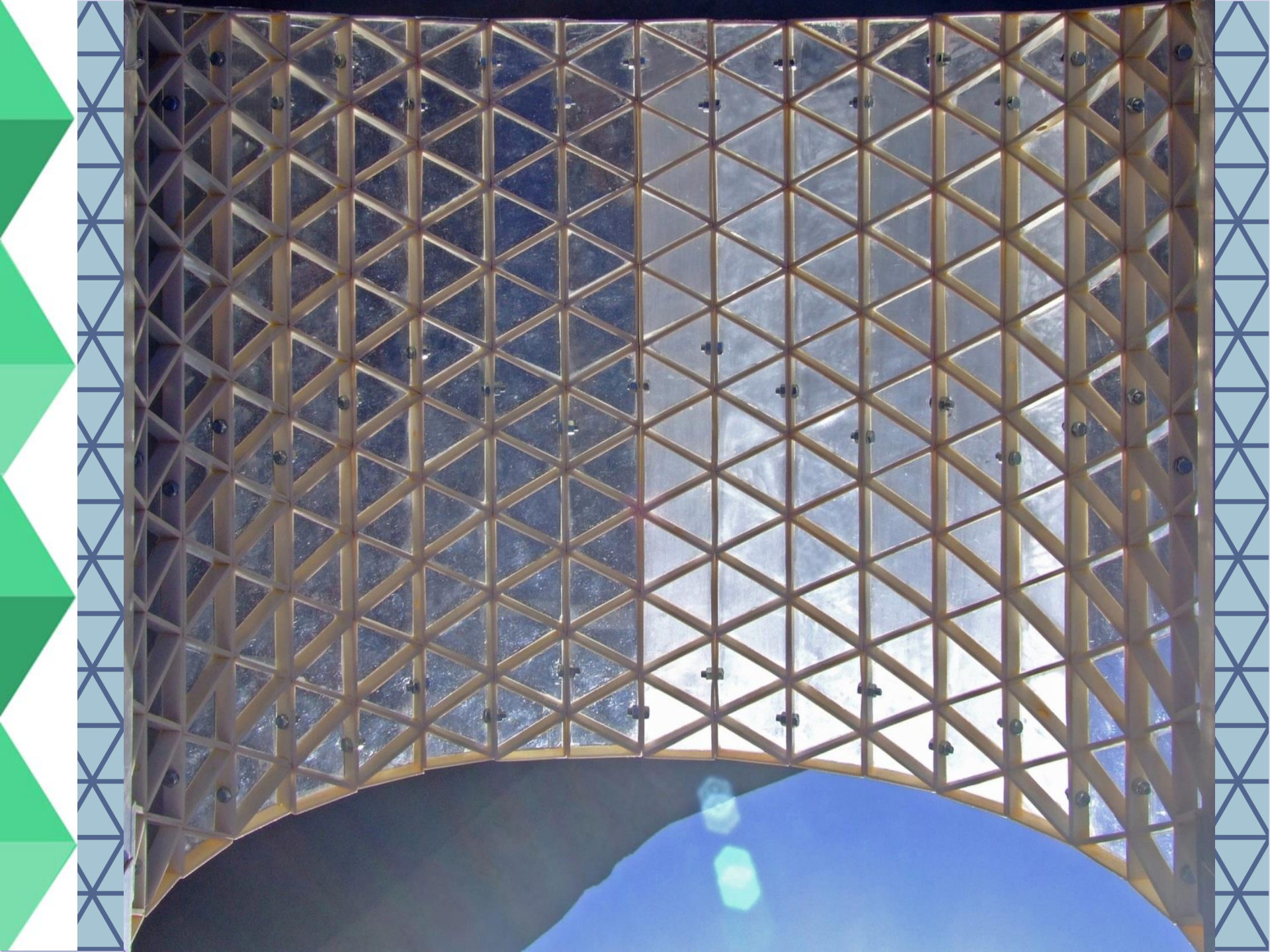
Construcell is an emblematic architecture in absolute harmony with the future. An technology for military or civil construction that has the greatest visual impact of the contemporary world.





The natural lawn of covered stadiums will be directly benefited through photosynthesis guaranteed by the use of transparent or translucent modules.





**The purity of the forms
generated by this cellular
mosaic delights the eye
while synthesizes the beauty
of structural essence.**



The 3D printed mockup anticipates the viewing of Construcell technology.






Construcell focuses, in its simplicity, the more efficient use of inputs applied in engineering.

**It is a technological resource
that is in the words of the
great Italian architect Pier
Luigi Nervi the most perfect
definition: "The structures are
the materialization of the
forces acting on a project."**

www.construcell.com



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