WALKABLE PV FLOOR

RENOVATION

The City of Arts and Sciences of Valencia has installed more than 6,000 square meters of **photovoltaic walkable pavement** on the cantilevers of the Science Museum.

This floor made up of crystalline silicon cells that **is patented by Onyx Solar** generates a good part of the electricity demanded by the building's facilities.

The execution of the project to install photovoltaic solar pavement on the Museum's cantilevers contemplate its placement on the two exterior cantilevers, with a maximum **installed power of 553 kWp, which mean generating up to 30% of the energy demanded** by the building in some seasons of the year.

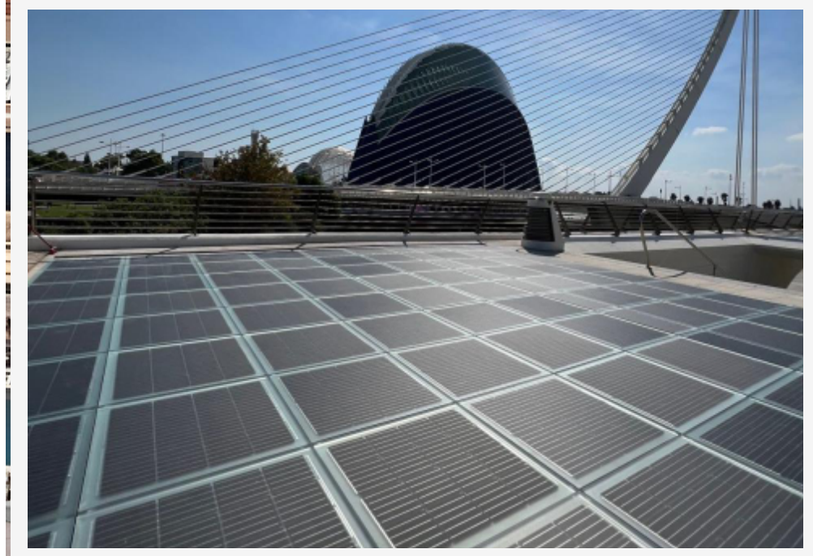
This museum is a cultural and architectural complex located in Valencia, Spain, that has become the most important and modern tourist destination in this city and one of the main treasures of Spain. **It was designed by Santiago Calatrava and Felix Candela.**

TECHNICAL DATA

Nominal Power (Wp/m²)	129 Wp/m²
Visible Light Transmittance (VLT)	28%
Solar Factor (g-value)	N/A
U value (W/m²K)	N/A
U value (Btu/h ft² °F)	N/A
Light Reflection (external)	8%

BACK TO START ▲

MORE INFO IN VIDEO



THE CITY OF ARTS AND SCIENCES

VALENCIA, SPAIN

WALKABLE PV FLOOR

CRYSTALLINE SILICON TECHNOLOGY

SANTIAGO CALATRAVA
ARCHITECTS & ENGINEERS

CIUDAD DE LAS ARTES Y LAS CIENCIAS
VALENCIA