

## PHOTOVOLTAIC BRISE SOLEIL RENOVATION

Onyx Solar participated in the **refurbishment of CESCE headquarters** transforming this building situated in the heart of Madrid in a great example that demonstrates that **sustainability and photovoltaics are compatible with aesthetic.**

Constructed in 1974 this building has evolved to embrace modern energy solutions including an innovative **photovoltaic brise soleil seamlessly integrating solar technology** into the building's facade.

The customized **amorphous silicon see-through PV glass** manufactured for the project is a great example of this evolution. It looks like regular architectural glass, but it possesses photovoltaic properties that enable it to **generate energy on-site, while filtering harmful radiation and blocking heat.**



### TECHNICAL DATA

Nominal Power (Wp/m <sup>2</sup> )	34 Wp/m <sup>2</sup>
Visible Light Transmittance (VLT)	16%
Solar Factor (g-value)	32%
U value (W/m <sup>2</sup> K)	N/A
U value (Btu/h ft <sup>2</sup> °F)	N/A
Light Reflection (external)	8%



## CESCE HEADQUARTERS

MADRID, SPAIN

BRISE SOLEIL - FINS

AMORPHOUS SILICON TECHNOLOGY

ARQUITECTURA  
ASVALOR

cesce

"The electrical energy consumed by CESCE for several years has come from 100% renewable sources"

Project Manager - CESCE