PHOTOVOLTAIC FAÇADE

RENOVATION

This bank, leader in Canary Islands (Spain), underwent a sustainable transformation installing photovoltaic glass in its façade using the existing fixing system.

The PV glass supplied was **perforated to be installed using the existing spider system** and became an evident feature recognizable by the public that serves as a **visible testament to the bank's commitment to sustainability.**

Comprising two layers of 8 mm laminated safety glass housing 6" solid solar cells, the **layout was totally customized to allow a great amount of natural light to permeate inside the building and minimize the nominal power loss.** At the same time the PV glass installed blocks the heat and harmful radiation to improve the comfort of the bank's employees.

This installation involved irregular trapezoidal units creating a unique and visually appealing façade that enhances the bank's environmental profile while revitalizing its external aesthetics.

TECHNICAL DATA

Nominal Power (Wp/m²)	94 Wp/m²
Visible Light Transmittance (VLT)	53%
Solar Factor (g-value)	50%
U value (W/m²K)	N/A
U value (Btu/h ft² °F)	N/A
Light Reflection (external)	8%

SPIDER SYSTEM
A system that uses metal adjusters with a specialized design known as a "spider". The photovoltaic glass is perforated, a feature not offered by other similar materials.

BACK TO START ▲

CAJASIETE BANK

TENERIFE, SPAIN

FAÇADE

CRYSTALLINE SILICON TECHNOLOGY

TECHNICAL DATA SHEET

"The entity consumes 100% energy from renewable sources in its work centers."

Manuel del Castillo - CEO Cajasiete