

PHOTOVOLTAIC FAÇADE

NEW CONSTRUCTION

Continuing one of the largest urban regeneration efforts in Europe, Gioia 22 is a landmark office tower in Milan's business district.

As Italy's **first nearly net-zero building**, Gioia 22 advances fresh perspectives and progress in a city known for its innovative spirit.

Developed by **COIMA** and designed by **Pelli Clark & Partners**, Gioia 22 exceeds Milan's energy regulations by 15 percent, using on site renewable energy sources including **6,000 m² of crystalline PV glass panels** installed on the façade, which **generate 65 percent of the energy required for heating and cooling**.

The façade system wich count with around **800 kWp** installed was developed together with **Permasteelisa**, a leading global contractor of architectural envelopes responsible of some the most iconic façades of the world.



TECHNICAL DATA

Nominal Power (Wp/m ²)	158 Wp/m ²
Visible Light Transmittance (VLT)	5%
Solar Factor (g-value)	12%
U value (W/m ² K)	N/A
U value (Btu/h ft ² °F)	N/A
Light Reflection (external)	8%



TECHNICAL DATA SHEET



GIOIA 22
MILAN, ITALY

FAÇADE

CRYSTALLINE SILICON TECHNOLOGY



MORE INFO IN VIDEO



"Nearly 6,000 sq m of photovoltaic panels adorn Gioia 22's facade, which is Italy's first nZEB building. Compared to traditional office buildings, Gioia 22 uses 75% less energy due to its highly advanced photovoltaic system."

Pelli Clarke & Partners

"This project shows once again how architectural quality can now no longer be separated from environmental sustainability."

Pierfrancesco Maran - Milan City Councilor for Urban Planning

Pelli Clarke & Partners

