

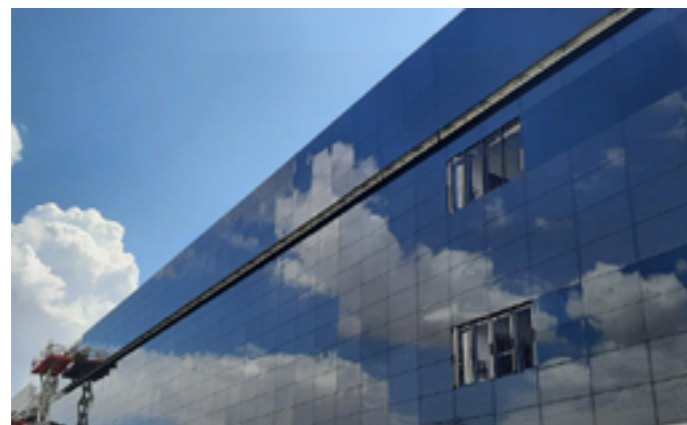
# PHOTOVOLTAIC FAÇADE

## NEW CONSTRUCTION

This glass box emerges close to one of the main arteries of the city as one of the main data centers.

Its great energy consumption is partially mitigated by the installation of an innovative photovoltaic **ventilated façade** covering **3,600 m<sup>2</sup>** that achieve **600 kWp** of installed peak power.

The integration of laminated photovoltaic glass into the building' envelope enhances its aesthetic value and provides tangible benefits in terms of **improved thermal and acoustic insulation**, **on-site clean energy production**, and consequential reduction in net greenhouse gas emissions.



### TECHNICAL DATA

Nominal Power (Wp/m <sup>2</sup> )	162 Wp/m <sup>2</sup>
Visible Light Transmittance (VLT)	0%
Solar Factor (g-value)	37%
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%



**DATA CENTER**  
CONFIDENTIAL

**FAÇADE**  
CRYSTALLINE SILICON TECHNOLOGY



**PEAK POWER**  
The maximum power that a photovoltaic glass can generate under standard test conditions, which include an irradiance of 1000 W/m<sup>2</sup>, a cell temperature of 25°C, and an air mass of 1.54. It is used to compare the generation capacity of different photovoltaic glass panels under optimal conditions.

**NOMINAL POWER**  
The power that the solar inverter can handle, meaning the device that converts the direct current generated by the photovoltaic glass into usable alternating current.

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