

## Kongres Container

# Customized solar curtain wall for Brazilian buildings



## Overview

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What is photovoltaic curtain wall?

Photovoltaic Curtain Wall generates energy in the building implementing solar control by filtering effect, avoiding infrared and UV irradiation to the interior.

What is a ventilated solar facade?

The ventilated solar facade allows for quick and easy installation, inspection, and reuse, both in new buildings and renovations. Curtain Wall: In this case, the solar panel systems are fully integrated into the building envelope and replace spandrel, mullions, transoms, or vision glass panels.

What is a curtain wall?

Curtain walling refers to a non-structural cladding system made from fabricated aluminum, commonly used on the outer walls of tall multi-storey buildings. This lightweight material offers ease of installation and can be customized to be glazed, opaque, or equipped with infill panels.

What are aluminum curtain walls?

The aluminum systems are not only easy to transport but also straightforward to manufacture. Curtain walls —also known as glass façades and exterior glazing systems —convert previously unused spaces into energy assets, enhancing both aesthetics and functionality.

What makes customized solar panels unique?

The real innovation lies in the design freedom offered: customized solar panels are no longer limited to standard shapes or sizes, ranging from 360 mm to 3600 mm wide, adapting easily to any architectural structure. They can adopt the following typologies:

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