The first solar glass in western Zurich Switzerland

The technology was first applied in two research buildings. The first fully functional prototype was installed at ...

Heinz Zimmermann has gained excellent experiences with the system RETROFlex in the Bluewin-Tower, an office tower in Zurich. With those RETROFlex louvers he proofed to fulfil ...

The first is external movable shading, developed by the Polytechnic of Zurich ETHZ, and the second is the integrated windows solution developed by SUPSI (Fig. 8.10).

The façade and roof consist of invisibly fixed glass panels with photovoltaic elements. The composite system, specially developed for this building envelope, supplies electricity for twice ...

Leading Swiss solar energy providers are showcasing their innovative developments - including full-scale prototypes - and demonstrating how photovoltaics can ...

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In 1767, Swiss scientist Horace de Saussure created the first solar collector--a series of glass boxes nested inside one another. When exposed to sunlight, the innermost box ...

In the 1950s, the first silicon - based solar cells were developed. However, these early solar cells were fragile and needed protection from the harsh environmental elements. This led to the ...

First century AD: the so-called heliocaminos started to be used. These solar baths with big mica windows

oriented to the south found their maximum application in Italy around the fifth century.

The technology was first applied in two research buildings. The first fully functional prototype was installed at the HiLo unit in the Nest building of Empa in Dübendorf in 2021.

From its robust R& D ecosystem to cutting-edge manufacturing capabilities, Zurich, Switzerland stands at the forefront of photovoltaic glass innovation. As buildings transform into power ...

In the 19th century, it was observed that the sunlight striking certain materials generates detectable electric current - the photoelectric effect. This discovery laid the foundation for solar ...

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