

## MEDIA INFORMATION

June 2024

Torre Regione Piemonte, I

### Glass palazzo for the Piedmont region

**At 205 metres, the Torre Regione Piemonte, designed by the architects at Studio Fuksas, is one of the tallest buildings in Italy. The imposing building culminates at a lofty height in a public, green roof garden. Important topics in this project were fire protection and energy efficiency.**

The new "Regione Piemonte" tower was built on the former site of a Fiat Avio factory in Turin. In 2006, the "ex-Fiat Avio" area was the venue for the Winter Olympics. In recent years, a new administrative centre for the region has been created here with a comprehensive redesign. The building was intended to reunite the buildings of the regional administration, which were previously scattered across various locations around the city of Turin. Studio Fuksas had already won the international competition organised for this purpose at the beginning of the millennium for the construction of a single building on a different site. The architects around Massimiliano and Doriana Fuksas presented their project in 2001. After a change of government, the project was reassessed and relocated to the current area on the south-eastern outskirts of Turin, which was to undergo a complete redesign. According to Fuksas' new plans, the current tower, which is twice as high, consists of three main elements with different functions. The tower houses all the offices of the central offices and bodies of the "Regione Piemonte". An underground courtyard extending over two levels houses all office services. A formally independent building connected to the tower serves as a service centre. It also includes a congress centre, a library and a crèche. A visual highlight of the glass tower is its entrance lobby. It consists of a large chamber that extends over the entire height of the building. It contains several transverse "slats" with different inclinations that refract the light and create a kaleidoscopic play of light.

#### **Forest on the roof and PV in the façade**

Beneath the 42 above-ground floors of the skyscraper is a hanging forest that is open to the public. Overall, the building fulfils high environmental and energy standards. The technologies used to cover the building's energy requirements consist primarily of heat pumps that can utilise various heat sources such as air, earth and groundwater. This combination makes it possible to constantly use the source that guarantees greater energy efficiency and can maximise the use of renewable energy sources. An innovative photovoltaic system was created for the entire surface of the Regione Piemonte Tower, which is partially integrated into the windows of the building envelope. The windows, in turn, offer large glass surfaces to reduce the need for artificial light.

### **Interior façade: steel profiles as a solution**

In order to take into account the sensitive issue of fire protection in such a tall building, strict certification processes were carried out for glass and profiles. A mullion and transom construction made from the VISS Fire and VISS Fire TV steel profile system with EI60 characteristics was used on around 10,000 square metres of the façade. Jansen has developed the VISS Fire system as a universally applicable façade construction based on a modular principle, which can also be used in statically highly demanding projects. It is suitable for vertical façades of all fire resistance classes in interior and exterior areas (E30/60/90, EI30/60/90). With face widths of 50 and 60 millimetres, the fire protection requirements can also be met in a particularly discreet and elegant way. All classes are also tested for fall protection in accordance with 18008-4. Furthermore, the fully insulated glazing bar system fulfils the highest requirements in terms of thermal insulation. The fire-resistant glass used here is Vetrotech Vetroflam Climaplus.

VISS Fire is tested and approved in combination with Janisol 2 and Janisol C4 fire doors. At Torre Regio Piemonte, around 100 Janisol C4 doors were installed in conjunction with Vetrotech Contraflam 60 fire-resistant glass.

This includes hinged doors with panic protection.

With the filigree steel profiles of the VISS system, it was ultimately possible to create an imposing glass structure that not only meets the requirements for aesthetics, but also for safety and energy efficiency.

### **PROJECT DETAILS**

**Area of application:** Façade, doors

**Products:** VISS Fire EW 60, EI60, Janisol C4

**Date of completion:** 2022

**Architecture:** Studio Fuksas, Rome

**Building owner:** Regione Piemonte, Turin

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**PICTURE OVERVIEW:**

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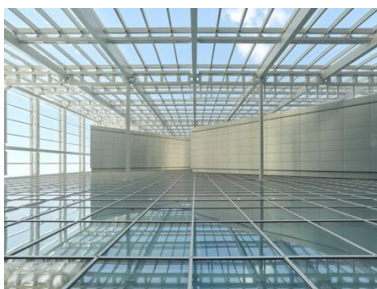


**Picture 1**



**Picture 2**

From the entrance lobby of the Torre Regione Piemonte, a large chamber extends across the entire height of the building. It contains several transverse "slats" with different inclinations that refract the light and create a kaleidoscopic play of light.



**Picture 3**



**Picture 4**

With the filigree steel profiles of the VISS system, it was ultimately possible to create an imposing glass structure that not only meets the requirements for aesthetics, but also for safety and energy efficiency.

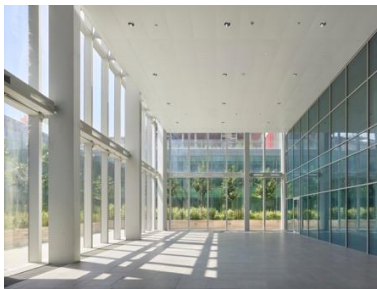


**Picture 5**



**Picture 6**

The fully insulated VISS glazing bar system fulfils the highest thermal insulation requirements. It is also suitable for vertical façades of all fire resistance classes in interior and exterior areas.



**Picture 7**

With its steel profiles, the VISS Fire system can also be used in statically demanding projects.