



Eurovea, Bratislava / Slovak Republic



Sun. Light. WAREMA.

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Eurovea is a multi-functional at the Danube river located development in the Slovak capital Bratislava. The building complex hosts state-of-the-art offices, exclusive apartments as well as several leisure and retail components. Due to its remarkable location Eurovea forms the skyline of Bratislava and creates a dynamic destination for people living, working and shopping.

The residential and commercial district was developed by the architecture office A1 ReSpect. Eurovea, in view of the historic centre of Bratislava, contains of 24.500 m² office spaces, 150 retail units, 30 cafés, bars and restaurants. A five-star hotel, a casino, a cinema, 236 luxury apartments, and 20 extravagant penthouses make the building complex to the new commercial centre of Slovakia's capital.

Sun shading system

WAREMA external venetian blinds perfectly combine high utility value with modern design. The transom mullion façade of the penthouses of Eurovea are equipped with in total 680 pieces of the external venetian blind type E80A6. They absorb 60-80% of solar irradiation before it reaches the window pane.

External venetian blinds are for almost all building projects the ideal product for efficient control of the room climate. The automatically controlled blinds keep the room nice and cool in summer time. In winter the solar energy input can be fully utilised. Furthermore they are an ideal tool for adjusting the room brightness. Due to the effective use of daylight, while providing glare protection and visual privacy, the tenants' feeling of well-being at their living area is increased. At the same time the energy costs of artificial light will be lowered significantly.

Control system

The sun shading systems are automatically controlled by LONWORKS® technology. The decentralised bus system comprises a LON weather station with sensors, actuators (motor control units) and operating units and provides effective sun shading with optimum lighting and temperature conditions in the penthouses. The external venetian blinds can either be operated by local override switches or a multi-functional control unit (LONVCU). Each penthouse has its own LONVCU. Besides the operation of sun shading systems the LONVCU measures the room temperature with help of an integrated temperature sensor. This intelligent control system helps to create a comfortable environment for all tenants and improves the energy-efficiency of the whole building.

„Our objective was to implement a city centre, full of light, sun and to provide the people with the opportunity to physically touch the river. The riverside promenade with a park and river-oriented sunny apartments are probably our best achievements within this project.“

Brano Kaliský, A1 ReSpect



Client:

Ballymore Properties s.r.o.
Bratislava / Slovak Republic

Architects:

A1 ReSpect s.r.o.
Bratislava / Slovak Republic

General contractor:

Zipp Bratislava s.r.o.
Bratislava / Slovak Republic

Sun shading system:

External venetian blind, E80A6 with guide rails and beaded slats

- Effective sun and glare protection
- Enhanced well-being in the leaving area
- Lower energy costs by reducing the cooling load and artificial lighting

Control system:

LONWORKS® technology

- Convenient control of complex sun shading systems
- LONVCU as multifunctional control unit

Usable floor area / floors:

230.000 m² / 8

Completion date:

December 2009

