



Office Building

Project Overview

2 Degrees Building, Milan, Italy

Lutron motorised blinds help gain LEED Platinum certification

“Automation is key not only for the comfort, but also for the well-being of tenants.

— Patrick Droulers, technical consultant

Background

2 Degrees Building, a glass-curtain office building in the upscale Porta Nuova section of Milan, wanted a green solution for its blinds – one that was functional, beautiful, energy-efficient, able to earn LEED Platinum certification, and provided benefits to the people working in the building.





The automated Sivoia QS blinds optimise natural light and views of the outdoors, so workers get to fully enjoy the sights of Porta Nuova, Milan's most contemporary district.

The Challenge

The building already had blinds, but they were poorly functional manual blinds that had to be individually operated by the building's staffers or tenants, so there was no consistency to the degree they were open. In addition, the uneven presentation of the blinds let in glare and wasted energy.

The new solution had to be attractive to tenants, who desired a solution that provided natural light and enhanced well-being and comfort, provide flexibility in design, and offer remote monitoring to the building's staff.

The Solution

Lutron's Sivoia QS blinds fulfilled 2 Degrees Building's needs. The automated system, operated by Lutron's Quantum system and Hyperion light-management software, optimises natural light and views of the outdoors, a preferred amenity among workers and one that helps attract and retain talent.

The Hyperion solar-adaptive shading software automatically adjusts the blinds throughout the day in response to the changing position of the sun. That saves energy, and reduces glare and heat gain.

In addition, it features Lutron wireless window sensors, which can be mounted on mullions or the window itself. The sensors can adapt to local conditions: for example, if the building is receiving glare from a nearby structure, the system can recognize that and bring the shades down — or, if the sun is being blocked by a nearby building, the system can open the shades to let more natural light in. With wireless technology, the layout can be changed quickly and easily to accommodate space usage needs, and the wireless components have a 10-year battery lifespan.

The beautiful look is maintained thanks to the Sivoia QS blinds' Intelligent Hembar Alignment, which is designed to synchronise all motorised blinds in a single space or an entire building. With the quiet automation of sensors and the intelligence of Quantum, the blinds always look beautiful and level.

Quantum Vue, the system's management software, helps building facilities managers adjust and monitor the blinds and other systems remotely.

Through optimising daylight, Sivoia QS also helps structures meet green building standards and sustainability goals by saving on energy costs.



Hyperion software adjusts the blinds throughout the day in response to the position of the sun.

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— Patrick Droulers

The design of the system contributes to energy savings and sustainability goals.





Sensors help the shades adjust to available daylight, and Intelligent Hembar Alignment helps keep blinds level, so the building offers a beautiful presentation to the outside.

Results

Installing Sivoia QS blinds helped 2 Degrees Building obtain LEED Platinum certification – helping make the building more attractive to tenants aligned with sustainability. 2 Degrees Building's tenants include a global IT company and a major mobile telephony provider.

The new system should pay off for years to come, says technical consultant Patrick Droulers.

"We are very keen to maintain the building to a high standard," says Droulers. "We think having these blinds and Lutron lighting control will ensure its quality for the next 50 years."

Client

2 Degrees Building, Milan, Italy

Provider

Lutron Electronics

Solutions

Quantum, Hyperion

Shades

Pellini

Fabrics

EnviroScreen by Verosol

Integration

STI

Photography

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