

Andamar Shopping Mall Employs Revolving Doors to Stop Troublesome Wind Gusts and Humidity



Since opening in October 2014, Andamar Lifestyle Center struggled to contain strong Veracruz winds, which consistently left its swinging doors open and exposed the facility to heat, humidity, and sea breezes. In turn, this allowed the shopping center's air conditioning to escape, resulting in a second challenge: higher electricity expenses.

Andamar Lifestyle Center is home to over 100 different stores spread throughout the nearly 2 million square feet of retail, restaurant, and leisure space. Taking the mall's estimated 5.3 million annual visitors into account, and the fact that 40% of them are entering through the main entrance, the air infiltration and loss situation became unsustainable. As a result, Rosa María Bueno, director of Andamar, began looking for solutions.

"We're very happy with the solution from all angles. It meets its functional and aesthetic purposes, it contributes to our positive image, and the doors have allowed for the flow of visitors to achieve a good rhythm..."

Rosa María Bueno, Director of Andamar

**BOON EDAM**

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CASE STUDY



Challenge

Andamar shopping mall struggled with containing the strong sea winds, which allowed air conditioning to escape out of the building's swinging doors. This resulted in higher electricity bills.

Solution

Revolving doors were installed, eliminating the exchange of outside air, while also allowing guests and staff to pass through with ease.

Benefits

- Reduction of electricity expenses due to revolving door's operating principle of "always open, always closed"
- Ease of use for both guests and wait staff
- Visually pleasing design allowed visibility to sea views

"At first, we tried to find a way to solve the problem without getting rid of the manual doors that were already installed. So, we had about one guard at every door to make sure the doors were closed or to hold them shut against the wind. The reality is that we weren't going to solve the problem that way," Bueno explained.

Two important factors the center needed to consider were the location and use of each door. In addition to its main guest entrances, Andamar has entryways to its terraces and ocean views, which are primarily used by waiters in transit – making easy access a must. "Because we're beside the ocean, many people go outside to enjoy the air, take photos, and eat; as a result, waiters go in and out with their hands full of food, huge trays, etc. We needed to find the right entryway that wouldn't make this process any more difficult," Bueno said.

Andamar also had to consider its original architects' opinions. "The architects who designed the center were very worried that the new doors would change its visual design and obstruct the ocean views, two important points that were taken into account from the beginning.

After a detailed search, we found the ideal solution with Boon Edam," the director said.

In total, the shopping center installed eight Boon Edam doors: three Crystal TQ automatic revolving doors, three Crystal TQ manual revolving doors, and two Crystal BoonAssist semi-automatic revolving doors. With the help of AVANCE Inteligente, a local door installation company, each door was installed with the specific entryway's purpose and location in mind.

Bueno affirmed that, in addition to receiving a customized analysis, the shopping center experienced nonstop assistance and dedication from Boon Edam support staff during the project's duration. This led to the right solutions, and gave the client complete confidence in the quality and adaptability of Boon Edam's team.

"We're very happy with the solution from all angles. It meets its functional and aesthetic purposes, it contributes to our positive image, and the doors have allowed for the flow of visitors to achieve a good rhythm," Bueno concluded.

