



YOUR
ENTRY
EXPERTS.

PROJECT CASE STUDY.

STOCKHOLM CENTRAL TRAIN STATION.

STOCKHOLM - SWEDEN

The next generation of commuters are very specific in their needs concerning public transport. They place a high emphasis on using a system which is efficient, sustainable, easily accessible as well as aesthetically pleasing. A dignified entrance is key to a comfortable customer experience and has been proven to leave a lasting impression on the visitor.



Originally designed in 1871, Stockholm Central Station holds a long and proud history which includes magnificent artworks and architecture within the original building. The building itself is historically listed and has an obligation to retain the past, whilst bringing with this status a lot of restrictions around aesthetics.

Owners Jernhusen and architects AIX have been collaborating together for 15 years to restore Stockholm Central Station to its former glory – with contemporary authenticity. This entry solution needed to be true to the authentic beauty and atmosphere of the original space while still meeting the modern demands placed on traffic flow and energy savings.

MODERN DOORS TO SUIT A HISTORIC LOCATION

A set of three full glass, 3-winged Crystal Tourniket automatic revolving doors with integrated heaters were installed. Each door is capable of handling the throughput capacity of 1.740 persons per minute in both directions in addition to being able to manage sustainable climate-control. The Crystal Tourniket doors have collapsible door wings which create an easy escape route in the event of an emergency – ideal for a large public area.

“The goal was to let people experience the whole atmosphere of this historic listed building, from floor to ceiling. We also wanted to have the old and the new come together in a natural way”

MINDFUL OF THE INTEGRITY OF THE RENOVATION

After considering new 2-winged revolving doors or an airlock solution with sliding doors, and even going as far as rebuilding the original 2-winged wooden doors, a decision was made to install three full glass, 3-winged revolving doors. This choice enabled complementing the classical architecture of the original entrance hall as well as letting in as much daylight as possible.

“Boon Edam were very focused on finding the right door solution for us, even taking us on research tours so we could try out different doors for real. Perhaps the most important thing was that we did not copy anything, but rather used our research to create the perfect solution for our particular circumstances,” says AIX Architect, Anne Teresiak.

One of the primary challenges faced was concealing the technical installations so as not to interfere with the overall experience and impression of the entrance. The motors were built into the floor, the control boxes were designed to be situated below, at another level in the building, and the vertical heaters were integrated into the centerline of the doors.

CHALLENGE

The solution needed to be true to the authentic beauty and atmosphere, while still meeting the modern demands placed on traffic flow and energy savings.

SOLUTION

- Crystal Tourniket with integrated heaters and collapsible doorleafs. The motor is built into the floor.

BENEFITS

- 100% glass revolving door
- Automatic drive
- Collapsible doorset
- Integrated heaters
- Motor built into the floor

PRODUCT

- Revolving door: Crystal Tourniket
- Diametre: 3000mm
- Height: 2500mm
- Level Up: Integrated heater in the center line
- Capacity: 1740 persons / minute in both directions
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"It felt great to see how the light came through the glass doors and the facade windows. It was like the room had become complete again"

ENERGY SAVINGS AND SUSTAINABLE

The After the installation of the triptych of revolving doors, a cava bar was opened, and plans are currently being made to launch a café in the entrance hall, finalizing the complete restoration process.

A thoughtful design that does not get in the way of visitors experiencing the old entrance hall. Elimination of drafts and unwanted air infiltration, making the entrance hall suitable for restaurants and cafés. Natural light is flowing into the entrance hall, enhancing the beautiful architecture.

Peter Appelgren, representing the owners of the station, Jernhusen says, "The revolving doors are now an integrated part of the entrance hall. We've managed to capture the ambience of the old, while still making sure we meet modern demands on energy saving as well as traffic flow."



OUR REACH IS GLOBAL.

We have been in business for more than 140 years manufacturing premium aesthetic and security entrance solutions in the Netherlands, United States of America and China. We can confidently say that we cover every corner of the globe with subsidiary companies in major cities across the globe. Furthermore our global export division not only partner with our distributors, but also offer direct sales and service to every territory. This wide net allows us to have a strong global footprint as well as a personal grasp of local markets and their unique entry requirements.

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