

## Making Escalators Safer: Custom Solution for Alstom at Port Authority NY/NJ

### The Challenge:

Alstom, a global leader in the transportation industry, specializing in the development and manufacturing of rail systems and services, was tasked by the Port Authority of NY/NJ with enhancing passenger safety around escalators. Escalator areas can become a hazardous area when passengers attempt to load baggage carts onto the moving stairs. These carts, being top-heavy and hard to maneuver, pose a significant tipping risk, potentially causing injury to both the cart user and to passengers below. Preventing such incidents is critical for ensuring overall passenger safety. In addition, addressing the need for efficient escalator closures during maintenance was another key challenge that required a thoughtful solution that had to work in conjunction with their initial safety concerns. Space constraints and specific floor conditions made traditional portable stanchions unsuitable, leading to the need for a custom, tailored solution.

### The Solution:

Visiontron collaborated closely with the Alstom team to develop a custom solution using **RETRACTA-BELT®** stanchions and custom bollard-style posts, both mounted with **MINI-SOCKET®** Base Mounts. This system was designed to prevent passengers from bringing baggage carts onto escalators while allowing smooth passage for travelers with appropriate sized baggage. Our **MINI-SOCKET®** Base Mounts were selected for their minimal footprint, maximizing the space between posts. Additionally, the system provided a quick and secure way to close escalators for maintenance, using retractable belts with custom "Out of Service" messaging to create a clear and safe perimeter.

### Why Visiontron:

- Known for our hands-on approach and passion for working with our clients, we collaborated directly with Alstom and operations teams.
- Utilizing over 60 years of knowledge and experience, we designed a layout compliant with safety and maintenance standards.
- Our patented **MINI-SOCKET®** Base Mounts provided a permanent solution with a small, unobtrusive footprint.
- We accommodated the busy and "always on" nature of the bustling travel hub and installed the custom posts and retractable belts stanchions around their schedule to minimize impact to their daily operations.

This installation not only improved safety of travelers and employees, escalator bollards, such as Visiontron's **RETRACTA-BELT®** Stanchions and bollards with **MINI-SOCKET®** Base Mounts, offer a smart, customizable solution for passenger safety and efficient escalator maintenance in other transportation facilities, as well as other high-traffic venues.

## Visiontron's Role

### We Consult.

In close collaboration with Alstom, we tailored the barrier design and product selections, aligning with their needs and project scope.

### We Design.

To fulfill their specific needs we developed a custom bollard solution for mounting around the escalator entrance.

### We Build.

All products and signage for the installation were built and assembled in our 80,000 Sq., Ft. facility in Holtsville, New York.

### We Install.

Our in-house installation team delivered, set up and installed the project on time and around their schedule needs to ensure a trouble free process.



Going up? Going Down? Either way safety is top priority.



An idea so simple, yet so important, we had to install it in multiple locations.



Retractable belt barriers can be implemented during maintenance.



Our installers leave it better than they found it. No muss, No fuss.