

East meets west. Security meets style.

PathMinder showcases innovation at the Force Protection Equipment Demonstration IV at Quantico and the American Institute of Architects convention in San Diego.

FPED serves as an elite proving ground for high-security products.

Held at the large marine base at Quantico VA, the invitation-only event offers high-profile government and military customers the chance to try and evaluate competing products side-by-side.

Security, durability, ease of integration and "deployability" were key metrics. In direct comparisons, PathMinder excelled on all counts.

On display were PathMinder's recently introduced compact oval optical turnstiles with low barrier doors, which offer a large barrier area without sacrificing an open look.

Also on display were oval barrier units with an integrated smart card reader and PIN pad, effectively guarding against forged or stolen cards.

Demonstrations of PathMinder's doorway tailgate sensor proved popular. These covered the spectrum of door penetration scenarios, from a polite employee holding the door open for someone carrying a package, to the scheming employee opening the door from the inside to allow an unreported visitor on the outside to enter, to the intruder who lurks near a door and grabs it as it closes after an employee has entered.

The AIA convention is a showcase of architectural flare.

PathMinder's booth in the high technology pavilion demonstrated several of PathMinder's unique advantages, especially superior layout flexibility (thanks to the turnstiles' tolerance of severe misalignment) and eagerness to customize turnstiles to suit clients' sites.

The PathMinder team attends the AIA convention every year. It's a unique opportunity for us to trade knowledge with some stellar architects, who are, as a group, often ignored by security products companies. It's a part of PathMinder's commitment to engage all stakeholders in a project: architects, engineers, building managers, security management and even security personnel. We want everyone involved to be excited about our products and understand how our turnstiles address their specific concerns by offering high security, excellent speed, and funky, durable designs.

It's also a chance for PathMinder personnel to meet with suppliers of upscale materials. Our designers survey the show floor, looking for neat products and processes to integrate into our turnstiles: metal meshes, coated woods, and lighting treatments, to name a few. We keep ourselves up-to-date on design trends so we can offer our customers unique solutions.

Did you miss us at the show?

Visit us at ASIS in New Orleans in September.

nouvelles2003.06.01

The matrix, revealed.

PathMinder's unique detection technology offers accurate detection and a negligible false alarm rate.

An optical turnstile needs to be intelligent enough to differentiate between a swinging arm and a tailgater, without generating false alarms. The only reliable way to do so is to collect and analyze a lot of data.

Optical detection is a garbage-in/garbage-out proposition: a detection system can only be as good as the amount of data it gathers. Several major industry players make do with four or six detection beams. Some systems, in an attempt to reduce the false alarm rate, even disable some sensors when a person is walking through the array (which is akin to turning off a CCTV camera every time someone enters a monitored area).

The PathMinder detection array uses 12 or 24 sensors to maintain 48 or 96 detection beams, backed by a complex processing algorithm. Sensors are never shunted; information is collected continuously.

By maintaining diagonal beams, PathMinder's detection array can better count legs and swinging arms, while ignoring objects that are pushed, pulled, or carried through the lane. And because there are so many detection beams, tailgaters are much more likely to be caught: there is more opportunity for beams to squeeze in between two people walking closely together, even if they're hugging each other closely.

The detection matrix dramatically reduces the number of false alarms. Because the algorithm is very confident when a breach occurs (rather than using two or three detectors to try to guess what is happening), it can ignore many "breach-like" scenarios. The turnstile is very forgiving of people who substantially enter the detection array before presenting a card, which is especially important for users in wheelchairs or with guide dogs. This also helps throughput at sites where a slow access control system is used: a person can present a card, and start walking through the lane even before the access granted signal is received. By the time the person clears the matrix, if access hasn't been granted by the ACS, an alarm occurs; but, as long as the signal is received while the person is still in the lane, no alarm is generated.

The matrix collects so much information that it can ignore things that are smaller than a body; simply swinging an arm back and forth through the array (a common prank that can fool other turnstiles) will not generate an alarm.

A smart algorithm + a large data matrix = real security + real speed.

Firm foundations.

Deployment platforms simplify installation and preserve flooring.

Installing turnstiles has never been easier (not that it was that hard to begin with, mind you).

PathMinder's rapid deployment platforms make installing and removing turnstiles a painless process, eliminating the need to drill and anchor bolts into the floor.

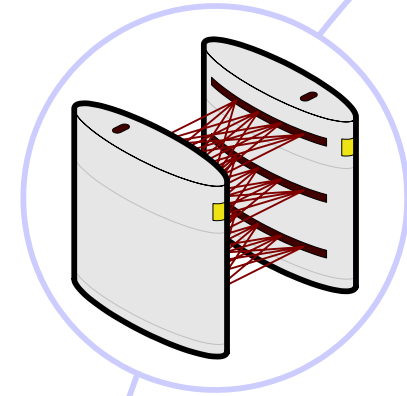
The aluminum platforms are just 1/2" thick, and are topped with textured rubber for good traction. Their slim profile allows them to comply with ADA guidelines. Available in 30", 32", and 36" widths, they allow layout flexibility, and can be squeezed into tight spaces while providing easy access (except to intruders).

Platforms are ideal for historical sites where destructive renovations are verboten. They can also save the cost of having an older concrete floor scanned for tension cables; such high-tension steel cables are used to hold some buildings building together, and, if drilled through, cause a great deal of damage.

There are several cable channels carved out of the bottom side of each platform, which simplifies and protects cabling.

The entire turnstile installation becomes one strong, unified structural member, and is quite resilient on its own. For further stability in permanent applications, the ramps are sometimes affixed to the floor with a silicone adhesive.

PathMinder rapid deployment platforms. Saving time. Saving buildings.



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