

Case Studies

# Education



# Marking 10 Consecutive Years Protecting Colombian University



A high flow of visitors and a manual access control process led Universidad EAFIT (Escuela de Administración, Finanzas y Tecnología), a private institution located in the Colombian city of Medellín, to decide to upgrade its access system. To do so, the university installed 22 Boon Edam Trilock 75 turnstiles. Ten years have passed since then and the technology is still delivering excellent, trouble-free results.

Besides reducing delays on entrance and egress by authorized personnel and having total control over all people visiting the campus (who entered, which entrance, and at what time entered and exited), Boon Edam's turnstiles for 10 years made possible the protection of one of EAFIT's most valuable assets: its reputation as a safe institution, which has resulted in many parents choosing this school for their children.

*"Boon Edam's turnstiles have demonstrated high quality since their installation. Their operation can be defined as stable, durable and compact."*

*Johan Sánchez, Security Manager at EAFIT*

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According to Johan Sánchez, EAFIT's Security Manager, this modernization project represented a big challenge, not because of the implementation of the turnstiles, but because of the complementary activities required for a correct reception of the opening signals by the turnstiles.

"Boon Edam's turnstiles have demonstrated high quality since their installation. Their operation can be defined as stable, durable and compact," said Sánchez, who also said that the after-sale service was excellent in terms of US-based Boon Edam personnel directly attending to claims to analyze any situation. This has been a key factor that has contributed to the optimum operation of the equipment and overall system.

Another aspect to highlight is the durability of the parts used to build the turnstiles. Specifically on that, Sánchez said that it is very rare that a part suffers any damage. "During the three years that I've been working at EAFIT, only three parts total from all 22 turnstiles installed in the university have had to be replaced. This is excellent considering that when I joined the organization the equipment

had been in use already for five years."

"Even though the turnstiles contain parts made from plastic and rubber, those parts are manufactured to such a high quality that the Boon Edam entrances easily withstand the heavy use they receive every day," continued Sánchez. Currently, the turnstiles handle roughly 19,000 individuals a day entering or exiting the campus through its many different access points.

To ensure the proper operation of the turnstiles, EAFIT schedules four preventive maintenance services during the year. If a turnstile should fail, which is quite rare, the remaining turnstiles at the entrance continue to control access for pedestrian traffic in both directions.

In addition, the turnstiles make it possible to quantify the number of people that access the campus. With this information available at a glance, EAFIT officials can establish what entrances are used more or less during different times of day. Such data is highly useful when signing agreements with other entities and to quantify how many people entered the campus during special events.



## CASE STUDY

### Challenge

Universidad EAFIT needed a modernized security system to control the high flow of visitors and students into the private institution.

### Solution

The university installed Trilock 75 waist high turnstiles in order to have complete control over all people visiting the campus. Boon Edam's turnstiles were selected due to their stable, durable and compact operation.

### Benefits

- Management of roughly 19,000 individuals into and out of the university daily
- Visibility of who entered the turnstile, through which entrance, and at what time they entered/exited
- High quality product backed by an excellent after-sale service team

# Hofstra University Standardizes on Boon Edam Security Entrances



Located 25 miles east of New York City in Hempstead, Long Island, Hofstra University campus boasts 115 buildings on 240 acres, 1180 faculty members and over 7000 full-time undergraduate students. With so many students in a densely populated area of Long Island, Hofstra takes student safety quite seriously.

Prior to installing Boon Edam, student Resident Safety Representatives (RSR's) monitored thousands of students entering the residential halls as they swiped ID cards to enter through sliding doors. Tailgating was far too common, especially with large groups, and the RSRs were forced to intervene and stop fellow students from unauthorized entry. This was an uncomfortable and potentially dangerous situation.

*“Once we saw the safety benefits for the students and the positive difference the turnstiles made for our employees, we began incorporating them into our future plans.”*

*Bob McDonlad, Associate Director of Public Safety*

The university decided to install full height turnstiles at entrances to residential halls and complexes to work with their existing access control system. “To date, seven turnstiles have been installed to cover seven residential towers”, Bob McDonald, Associate Director of Public Safety, explained. “Our employees appreciate the greater control and our parents feel much more comfortable.”

Hofstra University uses Boon Edam’s full height turnstiles along with a card swipe access control system to manage and monitor the access of students and guests into residential halls. Students swipe their HofstraCard ID and pass through a turnstile, one at a time. Guests must sign in with the RSR at the front desk before being allowed to enter. Using full height turnstiles ensures that students or guests cannot jump or crawl through to the secure side. Handicapped students enter using their HofstraCard ID at a supervised automatic emergency exit door.

For entrances within residential complexes, Hofstra uses Boon Edam’s

transparent, Turnlock 200EL full height turnstile to create a security entrance with an aesthetic, open appearance. The clear Lexan panels allow light to pass through the entrance while the rugged engineering handles the high throughput. “Our students really like the transparent look of these turnstiles,” said Resident Safety Coordinator Sasha Russell. “Also, having these at our entrances makes it much easier for our RSRs—now they can focus on processing guests and on other duties.”

Due to the success of the Boon Edam entrances, McDonald and his team have plans to install Boon Edam turnstiles at all the remaining residence halls, bringing the total number of entrances covered to 11. “Once we saw the safety benefits for the students and the positive difference the turnstiles made for our employees, we began incorporating them into our future plans and budget,” said McDonald.

“These Boon Edam turnstiles are really helpful in deterring unlawful, illegal entries. They have been extremely helpful, I would say.”

## CASE STUDY

### Challenge

Resident Safety Representatives (RSR's) monitored hundreds of students entering the residential complex as they swiped ID cards to enter through sliding doors. Tailgating was common, especially with large groups, and the RSR's would have to confront and intervene.

### Solution

Install full height turnstiles at entrances to halls and complexes to work with the existing access control system and significantly reduce tailgating.

### Benefits

- Decreased tailgating
- High throughput
- Increased security with less intervention needed
- RSR's can focus on signing in guests and other duties
- Parents impressed with increased security





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# NC State University Upgrades Security at Recreational Facilities



North Carolina State University (NC State), in Raleigh, NC, has installed Boon Edam Speedlane 996DA (Drop Arm) optical turnstiles at the main entrances of both its recreational facility buildings.

NC State has approximately 2,500 faculty and staff and 35,000 students who are members of the university's recreational facilities. Formerly, this large number of users could come and go from 6 am to 11 pm, seven days a week, simply by presenting a valid ID. The original gymnasium facility was built in 1961, with an addition built in 1987. In 2007, the brand new Carmichael recreational center was built. Both the renovated older gym building and the new Carmichael facility are next to each other.

*“The Boon Edam turnstiles are meeting our many security needs. The look of the entry was important for us and the fact that the turnstiles could integrate with a future biometrics system was also a key consideration.”*

*Jason Spivey, Associate Director of University Recreation*

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“We needed to be able to control access to our recreational space, but from a risk standpoint, there are heavy weights, machinery and an aquatics center in the facility,” said Jason Spivey, Associate Director of University Recreation. Spivey’s supervisor, Eric Hawkes, Director of University Recreation, came to NC State from Florida Atlantic University, where he had employed security turnstiles and saw the same need at NC State’s recreational facilities. In 2012, Hawkes and Spivey set out looking for their new solution.

The two buildings presented several challenges for adequately monitoring and controlling access. When coming through the main entrances, users were supposed to stop and present their ID to the staff behind the desk (staff are also students). If too many users came in at once this could create a bottleneck and enable “non-members” to slip in during the distraction. There was also a need to allow access to non-recreational space for non-members. A form of physical crowd control was needed that worked in tandem with the checking of ID’s.

After assessing their needs and looking at alternatives, Spivey and Hawkes decided to install Boon Edam Speedlane 996DA optical turnstiles at the main entrances of both buildings for consistency (and also because all of the lockers were in one of the buildings). The automatic drop arm models were recommended by the

building’s architect as they had a minimal footprint and a clean aesthetic look that matched the lobbies.

The 996DA works with the existing access control system and can work with any future biometric system NC State may install. Staff still verify incoming users’ IDs and then push a remote touchscreen console called BoonTouch to open a turnstile and let users into a facility. Eventually, when a biometric solution may be deployed, students and faculty can volunteer to participate without a human to check them, and they can then just go through the turnstile. This feature is expected to increase use of biometrics. The benefits to the university and the many users of the recreational facilities are apparent to all concerned. Access to secure areas is now physically controlled. There is now a clear, visual deterrent discouraging anyone from attempting to slip into secure areas. Reception staff have a greatly reduced burden of controlling access and preventing non-members from getting in, especially during crowded periods. Finally, risk of injury to non-authorized users has been reduced significantly.

“The Boon Edam turnstiles are meeting our many security needs. The look of the entry was important for us and the fact that the turnstiles could integrate with a future biometrics system was also a key consideration,” Spivey concluded.



## CASE STUDY

### Challenge

Reduce the burden on reception staff by finding a more effective way to monitor the flow of members and visitors into the recreational facility.

### Solution

Install optical turnstiles to eliminate a bottleneck of traffic in the reception area and prevent visitors from slipping in unnoticed.

### Benefits

- Clear, visual deterrent discourages unauthorized entry
- Minimal footprint; clean aesthetic look
- Capable of handling peak traffic flow
- Can integrate with future biometric systems
- Risk of injury to non-authorized users reduced

# Pensacola Christian College Ensures Students Get to Meals Quickly with Boon Edam Turnstiles



Pensacola Christian College, in northwestern Florida, has installed 12 Boon Edam waist-high turnstiles to manage entry into two of its dining halls.

Pensacola Christian College (PCC) had turnstiles that were 20 years old and as Amy Glenn, the college's Chief Communication Officer, put it, "we had exhausted the life out of those units." PCC was also having real problems getting replacement parts.

*"What brought us to Boon Edam was your willingness to work with us."*

*Amy Glenn, Chief Communication Officer*

PCC staff researched various companies offering turnstile entrances and found the visual appearance of each of the products to be similar. "What brought us to Boon Edam," said Glenn, "was your willingness to work with us." The College wanted recessed scanners in each entrance and a plexiglass covering for protection. Boon Edam made that happen. Cost was also factor: Boon Edam turnstiles are made in America, cutting shipping costs and for PCC that made a big difference.

Boon Edam turnstiles are installed in both the Four Winds and Varsity dining facilities. The two dining halls serve about 10,000 meals a day, two-thirds of which are served at Four Winds. Meals are served seven days a week. At Four Winds, there are eight turnstiles, but four units alone can handle 1,000 students in 15 minutes or less at popular times. "We don't want our students waiting in lines," explained Glenn. "We could have designed a huge lobby but this size with this throughput is ideal."

At the 1600-capacity Four Winds, all eight turnstiles are used for entering,

lobby attendants monitor the exit so no turnstiles are needed. The 900-capacity Varsity has four entry turnstiles.

"We use the turnstiles not just for count, but also to determine eligibility," explained Glenn. "Our request to Boon Edam was to modify the design so students can scan in as they begin entering and a light comes on to show the student is cleared to enter. With our high throughput in such a short time, this reduces possible damage and injury."

How are the entrances functioning? "It's been night and day right from the beginning compared to our old entrances. Plus, we know we can get parts quickly, and mechanically they have performed super well. Our team has been quite pleased, no complaints at all," said Glenn. "We live and die by our counts each day. As a large food service operation, the counts are vital in our estimating process for meal needs. Accurate counts save us money by reducing food waste, while still ensuring we meet demand," Glenn concluded.



## CASE STUDY

### Challenge

Replace 20 year old turnstiles with an affordable, customized solution for two high-traffic dining halls on campus.

### Solution

Install 12 Boon Edam turnstiles custom-designed to work with student credentials and produce an authentication light.

### Benefits

- Met high throughput needs at two dining halls, serving about 10,000 meals a day
- Accurate count of students entering dining halls allows for better estimation of meal needs, and therefore, reduction of food waste
- Production in USA kept shipping costs down
- Modified turnstiles met specific needs for entry
- Quick parts availability

  
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# Utah Valley University Deploys Boon Edam to Stop Tailgating



Utah Valley University, in Orem, Utah, has installed three Boon Edam Swinglane 900 optical turnstiles in its 193,000 square-foot, state-of-art student life center to maintain a firm control on who entered the facility.

Utah Valley University has an enrollment of more than 33,000 students—the largest university in Utah. Daily traffic into the student center runs from 1,200-1,500 users. The center is open Monday through Friday, 6:00 am-10:00 pm, and Saturday from 8:00 am to 6:00 pm. The Reception Desk always has staff on hand as an initial point of contact, for registration, and to answer any questions.

*“Students like the high-tech feel of the entrances. These turnstiles bring a very nice, vibrant feel to our entrance lobby, and they have an attractive design.”*

*DaSheek Akwenye, Associate Director of the Student Life & Wellness Center*

DaSheek Akwenye, Associate Director of the Student Life & Wellness Center, explained that the Boon Edam entrances were specified during the design and construction phase of the four-floor, \$40 million building. All students must enter the facility through the main entrance and choose one of the three staggered turnstiles, using either their university ID or their handprint to scan in.

“If students forget their ID, it takes just seconds to register a handprint for future use with the integrated biometric readers,” said Akwenye, “it’s very convenient.” The swinging gates operate both ways for entering users, as well as those exiting the facility. “The gates and the access control operate together in such a way that it takes approximately six seconds to enter through the entrance, and only one person can enter during that period. No sneaking in before or after means we have excellent control to prevent tailgating into the center,” Akwenye said “We really love the Boon Edam entrances so far, they’re great.”

After installation, Boon Edam’s National Sales Manager Glen Tracy visited the campus to educate staff on the use of

the turnstiles and to help in the process of getting users acclimated to what was a new entrance scheme at the University. “It took a short while to get used to them, but once users got the hang of it, things have gone very smoothly,” recalled Akwenye.

He continued, “Students like the high-tech feel of the entrances. These turnstiles bring a very nice, vibrant feel to our entrance lobby, and they have an attractive design.” Freshman and new students receive orientation to the building and the entrance protocols during an orientation tour. At that time, each student registers to use the facility, including the biometric registration. The whole process takes no more than two minutes.

When someone enters the facility, registration staff get a visual record of who has entered, to ensure that person belongs to the ID used. “It’s been really smooth, even if we have a large group, like a basketball team, then we have manual controls at the reception desk and can open the gates and shut them automatically. We’ve never had any long lines or backlog,” said Akwenye.



## CASE STUDY

### Challenge

When the Student Life & Wellness Center was in the design process, developers needed a way to maintain firm control on who entered the 193,000 square-foot facility.

### Solution

Boon Edam swinging gate optical turnstiles were selected for their design and integration capability with integrated biometric readers.

### Benefits

- Tailgating control
- High throughput
- Increased security with less intervention needed
- Biometric integration capabilities

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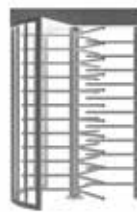
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Tripod Turnstiles



Optical Turnstiles



Full Height Turnstiles



Security  
Revolving Doors



Security  
Portals