HIGHER EDUCATION

Frictionless Biometric Access Control and Meal Payments with Morpho*Wave*™

US universities case studies with CBORD

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Introduction

Universities are big institutions with various buildings, campuses and a large number of users. They are the equivalent of small cities with tens of thousands of students and different facilities (lecture halls, labs, recreation centers, dining halls and restaurants) that require a complex access control management. The new challenge for higher education institutions is to effectively manage their large flow of students and users all while ensuring a fluid access to their spaces and guaranteeing a high level of security.

In this document, we will illustrate solutions deployed in some of the high-ranking US schools and colleges with our partner CBORD.

For those US universities, we have deployed **Morpho*Wave***, our award-winning and field-proven contactless fingerprint terminal. It scans and verifies not just one, but 4 fingerprints in less than 1 second through a simple and fully contactless wave movement of the hand. This high throughput is of particular interest for high-traffic locations, like dining halls where the hygienic aspect of the device is also a priority.

IDEMIA's frictionless biometric solution brought up many advances to the campus managers. It has made everyday transactions much faster and far more advanced. The use of **Morpho*Wave*** has opened up avenues for them to look at different issues that need to be resolved, like long waiting lines and access control security problems.

PARTNERSHIP

The case studies presented in this document were deployed by CBORD, a leading technology provider for higher education, healthcare, senior living and business campuses enabling users to create optimal experiences for their students, patients, employees and residents.
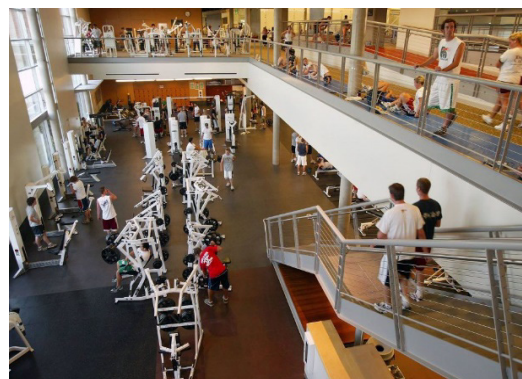
Learn more

Morpho*Wave* Webpage

> https://www.idemia.com/morphowave

CBORD Higher Education

> https://cbord.com/highered

Needs and challenges

Washington State University (WSU) is one of the oldest land-grant universities in the USA. Initially, WSU was using magstripe ID cards on turnstiles to control access to their recreation centers, but they were facing **regular cases of lost or forgotten cards**, which required an in-person status lookup that was slow and inconvenient.

WSU's idea was therefore to replace cards with biometrics: "my finger is my badge". However, the prospect of having to touch the fingerprint sensor would be seen as a major issue by campus managers. As a result, they prefered to **look for a touchless biometric solution.**

Solution and results

For this reason, IDEMIA's **Morpho*Wave*** contactless fingerprint device was the perfect match. WSU deployed several units at the entrance of its recreation center. The students can now access the facility without their cards, using only biometrics with a simple wave of their hand. The devices also solved major security and sanitary problems, as cards are something students can share with anybody. It also added a "cool" factor to the student experience, nowadays, they expect technology to be a part of their everyday life.

Customer Testimonial

"Our students really love the technology. For most of them, this is not the first biometric enrollment they have participated in, but it's their first contactless one. And the most common reaction among them is along the lines of "hey, this is really cool!". We had to convince some of them about the benefits of using biometric technologies as some were still reluctant with the idea, but in the end, most of them were won over by the great user experience made possible by the device."

– Terry Quinn, assistant director, CougarCard, Washington State University

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Needs and challenges

St. Thomas is one of the largest private universities in Minnesota. Initially, to get a meal, students had to go to a cashier and present their student ID card for validation. Cashiers have to confirm that the person matches the picture, but since students have access to these spaces 24 hours a day, more staff were needed.

Therefore, campus managers were looking for a solution to optimize their recruitment budget and create a faster and more secure access control to the dining facilities. They also wanted to stop students from loaning their cards to friends and sharing a meal plan.

Solution and results

The university installed various **Morpho*Wave*** in its St. Paul campus dining halls with Smarter Security Glassgate 150 turnstiles. Today, more than 3000 students are enrolled. The campus has now only one employee supervising the turnstile lanes and cash sales.

The devices improved the flow to the dining hall as well as the count in the system thanks to speed of the touchless scan and verification (up to 50 people per minute). The readers automatically deduct a meal from their meal plan each time, so they don't have to always remember their ID cards.

Customer Testimonial

"The students were thrilled. They liked the ease and quickness of the process. They consistently said things like, "we live in the future now". Some had questions about the data security and storage. We were able to create a one page info sheet that we emailed them that answered 99% of their questions. The solution made their experience easier and smoother, and the authentication is contactless and hygienic."

– Mitchell Karstens, Associate Vice President of Auxiliary Services, University of St. Thomas, St. Paul, Minnesota

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Access control and Time attendance

idemia.com/access-control-and-time-attendance