



microio

Solutions for you

WE DEVELOP TAILORED INTEGRATED SOFTWARE AND HARDWARE SOLUTIONS



ACCESS



PAYMENTS



ATTENDANCE



MOBILITY



INTEGRATED MANAGEMENT SYSTEMS

Involves

Assiduity control

Access room, buildings, lockers

Micropayments bar, canteen, vending machines

Promotes

Security

Resources efficiency

Cashless payments

Unified management of goods and consumption

ENTERPRISES



UNIVERSITIES



SCHOOLS



MUNICIPALITIES



2 APPROVED PATENTS

Portugal – “Sistema de Pagamento em Parques de Estacionamento com Dispositivos de Comunicação de Proximidade sem contacto”, National patent - N° 104 215.

USA – “Method and Apparatus for the Deterministic Capture of a Communication Channel Shared Among Contention-Based Technologies”, PTI-US 45785/12, accepted January 2016.

38 WORKERS

10 with Bachelor degree and 16 with Master degree

STRONG R&I

CMMI - L2

International Certification

ISO 9001

Quality and Management Systems

NP ISSO/IEC 27001

Information security in the development process, operation and management of the Unicard Vending solution

SME LEADER

since 2013

SME EXCELLENCE

2014

700 SCHOOLS AND ALL THE MAIN UNIVERSITIES IN PORTUGAL
WITH MORE THAN 1 500 000 DAILY USERS

PORTUGAL

ANGOLA

MÉXICO

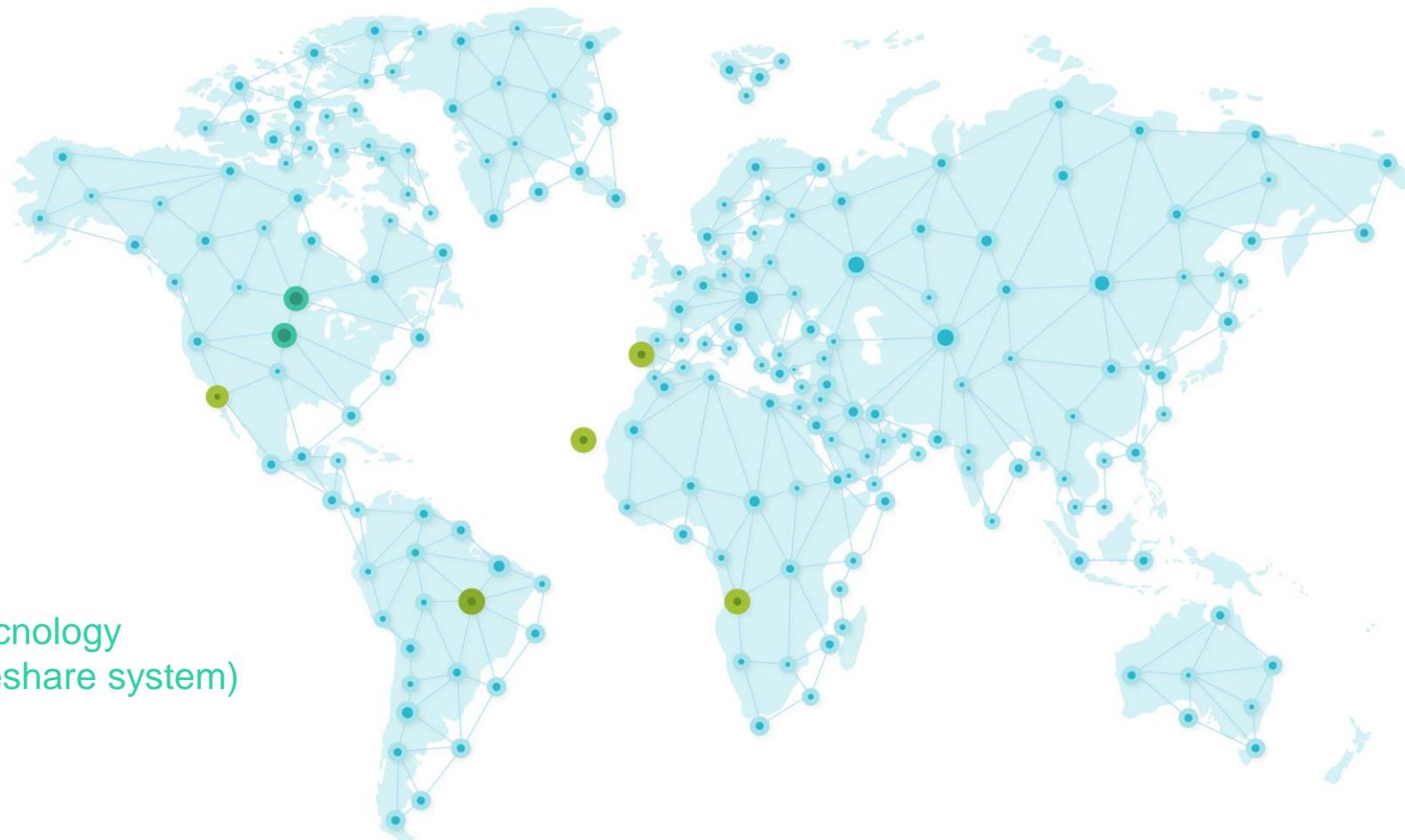
BRAZIL

USA

CANADÁ

GERMANY

Exporting technology
(electric bikeshare system)



unicard

Microio developed **UNICARD – Integrated management system** that is complementary and integrable with different ERPs, focused on access control, sales and cashless payments.

The Unicard family is divided into 5 by-products adapted to the reality of the institutions for which they are intended.

unicard
kids

unicard
school

unicard
campus

unicard
business

unicard
ticket

Municipalities

Public and Private
schools

Universities

Enterprises

Ticket sales

unicard campus

Integrated management
system for Universities



ONE CARD FOR STUDENTS, A SOLUTION FOR YOU...

It enhances the student experience on campus and facilitates integration into the academic environment by providing a unique, usable ID card for transactions and campus-wide access.

THE INTEGRATED SOLUTION FOR
A CASHLESS AND SAFER CAMPUS



WHY UNICARD CAMPUS

- Control access to classrooms, laboratories, residences, parking, gymnasium spaces, ...
- Registration and attendance control in the classroom
- Cashless payment of meals, books, copies and prints, educational material and other goods and services
- A single "card", increasing efficiency and reducing operating costs for the institution

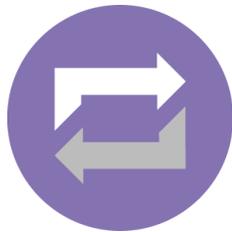
ONE SINGLE CREDENCIAL
CARD, SMARTPHONE OR BIOMETRY



WHY UNICARD CAMPUS

QUICK AND SECURE TRANSACTIONS. EFFECTIVE AND EFFICIENT SERVICES. HIGHER STUDENTS SATISFACTION.

Unicard Campus is an all-in-one identification credential (ID card) and a solution for the management of access permissions that offers a safe and peaceful experience on campus, from the purchase of meals and books up to secure access to the university residence.



Security access into facilities and equipments for students, teachers and other workers.



A single credential allows and facilitates cashless purchase of goods and services within or outside the campus.



Manages administrative tasks related with financial support by the university to students with special grants.



ACCESS CONTROL AND ATTENDANCE REGISTRATION

The identification credential (RFID card, smartphone or biometric) is used as an access key for restricted sites, controlling authorized users and access time schedules.

- Suitable especially for access control and attendance record in classrooms , labs, offices , warehouses , pavilions (rentals), gyms, ...
- Allows setting access rules for groups of users, locations and schedules, ...
- Integration with academic information management and ERP systems, enabling the update of information about the users, places and schedules
- Ability to control lighting by access
- Advanced monitoring of the functional status of the access control points and attendance record

CASHLESS PAYMENTS

All payment transactions within the institution can be done in cashless mode:

- Based on the concepts of prepaid balance or salary discount
- The user uses the identification credential for payment of goods and services inside the campus
- Personal account charge can be made in the institution (kiosk or POS) , ATM or by e-banking
- Applicable in restaurants (with and without reservation), Take Away, bars, bookstores and libraries, vending machines, printers and photocopiers, laundry (self-service machines), ...

Advantages for the institution and surrounding entities, namely:

- Information in real-time, detailed reporting, inventory control up to date
- Lowering the costs of currency management of the institution
- Compliance with applicable legal requirements



RESTAURANTS AND BARS

A comprehensive solution for all food services on Campus, accommodating unlimited options for meal plans, menus, locations. Allowing pre-booking meals and supporting various types of accounts and tax regimes.

- The Restaurant mode that allows the easy consumption of pre-booked and paid meals, reducing waiting time in queues;
- The Takeaway mode, for ordering and pick-up of meals and other products.



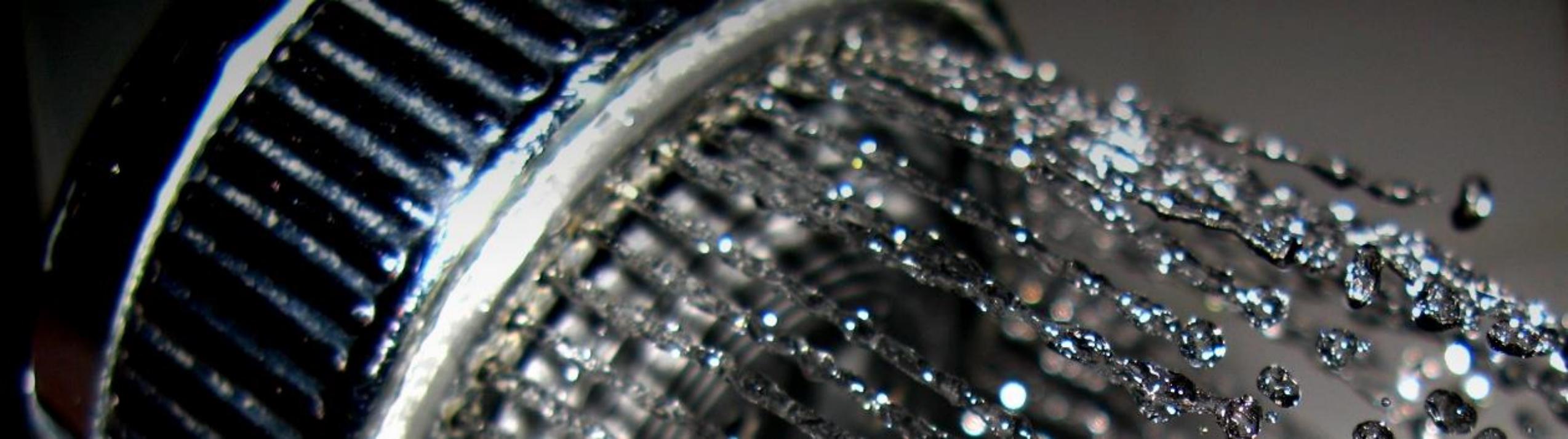
LAUNDRIES

Control and payment solution for the use of washing machines and driers.

The system rationalization allows the user to trigger and pay the use of machines through their identification card. This solution allows the institution to save in human resources allocated to these facilities and allows a greater flexibility for users who can access the space whenever they want.

The access and use of laundry machines is done using the same credential, Unicard, that allows access to the institution, to the reservation and payment of meals, access to vending machines, among other features.





SHOWERS

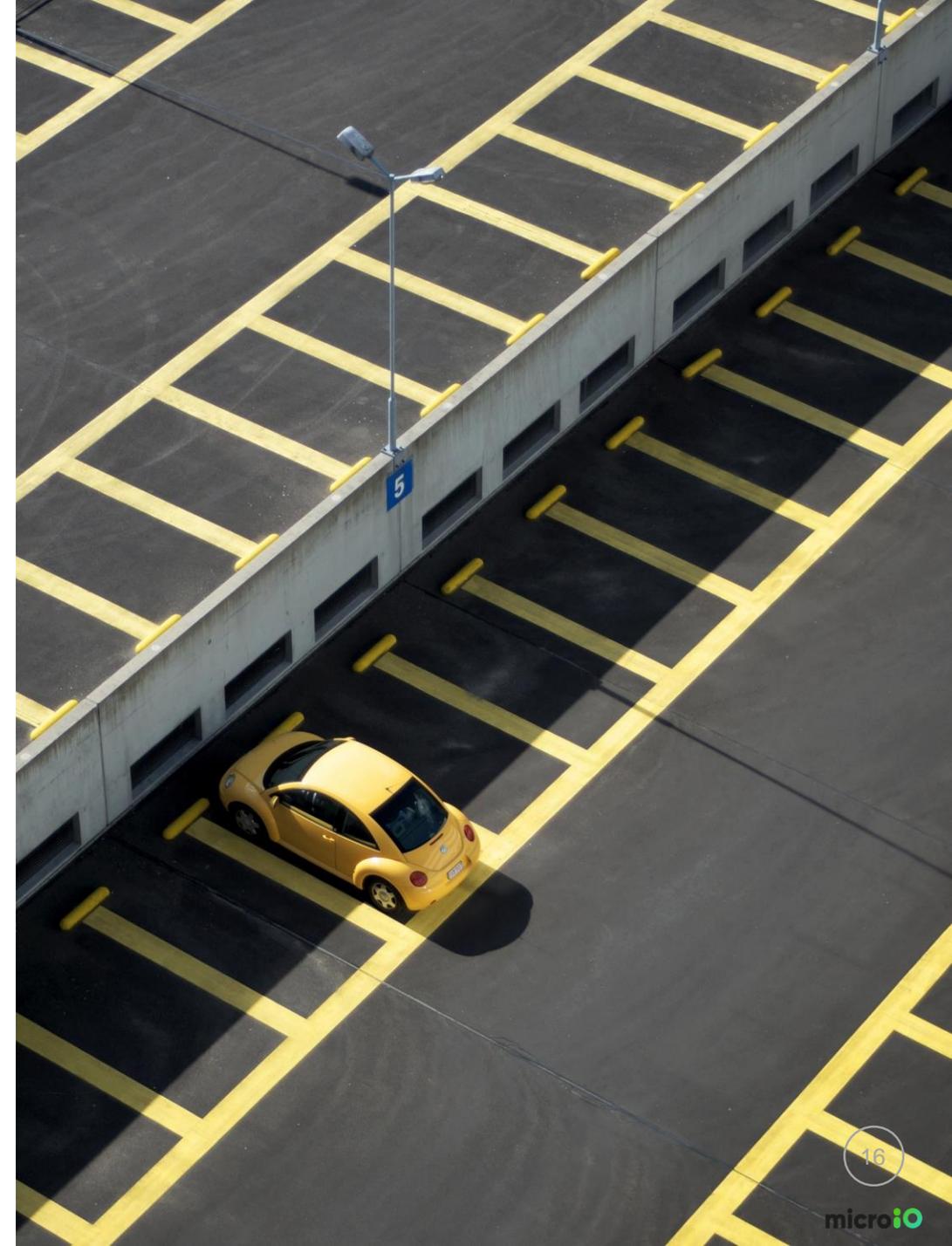
The system controls the use of water (cold and/or hot) in showers and allows a saving of thousands of gallons of water at the end of each year.

To trigger the shower, the student uses their student account, thus allowing you to have access to a pre-defined number of minutes of hot water. If so desired, the user can configure the system to allow longer showers, supporting thus the extra value that will be charged to his/her Unicard account.

PARKING

Unicard Campus allows the control of access to parking areas by installing access barriers and using the user identification card, usually your RFID card.

- Management of users or groups that have access to parks, calendars and access periods
- Capacity control of the parks (possibly signaling "packed park")
- Alternatives to charging the cost of parking, with pre- or post-payment
- Reservation of Places, for example for administration
- Anti Pass Back - 2 inputs or 2 outputs are not allowed in a row. There must be an Entry / Exit
- Automatic Vehicle Identification (AVI), through RFID tags placed on authorized vehicles





PRINTING AND COPYING SERVICES

Unicard Campus integrates with some of the best and most popular solutions of printing and copying control: PaperCut, uniFLOW (Enterprise edition), equitrac.

The integration of print and copy management resources with Unicard Campus allows:

- Access to print, copy and digitalization depending on the personal Unicard account balance
- The cost of print services, copy and digitalization is charged to the personal Unicard account. The value is determined by the rules of the control solution (PaperCut, uniFLOW, equitrac)
- Cost control can be defined per department / staff / student



SMART VENDING

Integration with Vending machines:

- Cashless payment through Unicard card
- Stock Control
- Checking the coin slot
- Balance to be deducted from the card or salary (employees / teachers)
- Charging kiosks, POS or e-banking
- Extraction of reports

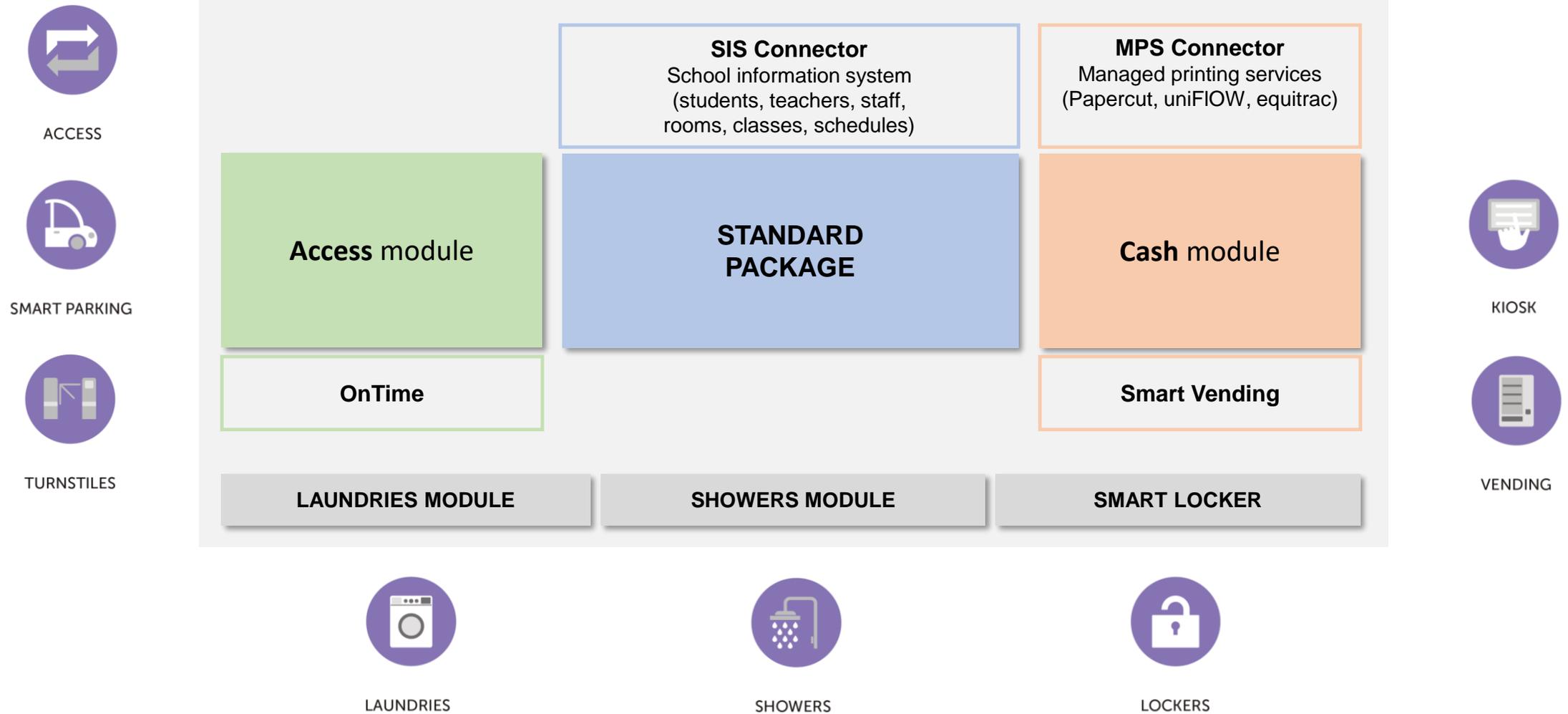


SMART LOCKER

Smart locker management:

- Integrated with Unicard Campus
- Identification through the Unicard Campus account (RFID, biometrics, smartphone, ...)
- Stand-alone version, payment by time of use via smartphone, NFC, MbWay

FUNCIONAL ARQUITECTURA





SOME OF OUR CLIENTS / PARTNERS





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