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

3

2 APPROVED PATENTS

Portugal – "Sistema de Pagamento em Parques de Estacionamento com Dispositivos de Comunicação de Proximidade sem contacto", National patent - Nº 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.

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

38 WORKERS

10 with Bachelor degree and 16 with Master degree

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SOME OF OUR CLIENTS / PARTNERS

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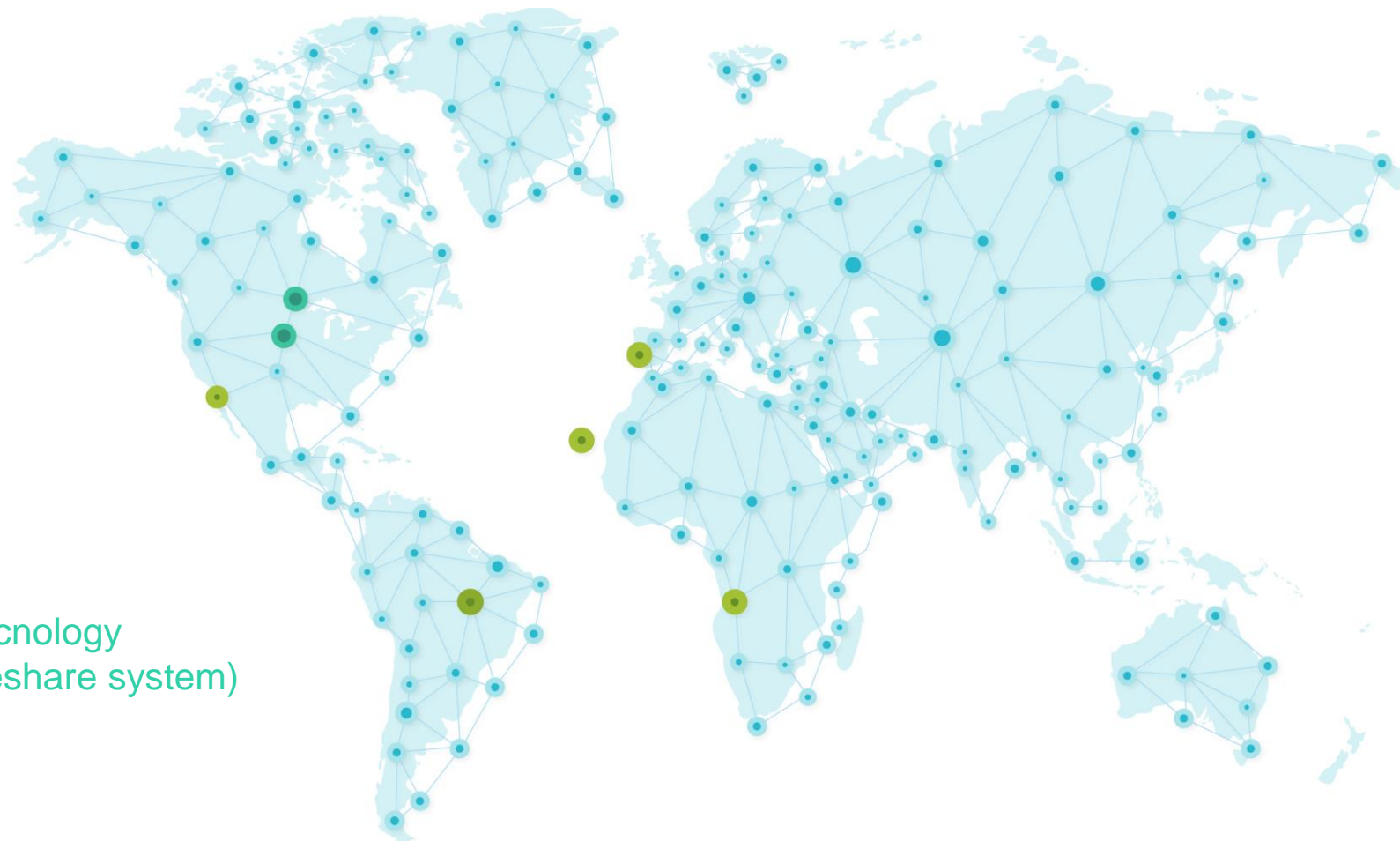
PORTUGAL

ANGOLA

MÉXICO

BRAZIL

USA

CANADÁ

GERMANY

Exporting tecnology
(electric bikeshare system)

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unicard

Microio developed **UNICARD – Integrated management system** that is complementary and integrable with diferent 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

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INNOVATION PROJECTS

micro**iO**

E-BIKESHARING

5th GENERATION OF BIKE SHARING SYSTEMS AND INTEGRATED MANAGEMENT WITH GPS AND ELECTRONIC LOCK SYSTEM

Each bicycle has an RFID card reader, GNSS module, cellular communications (GSM / LTE) that communicate with the central server and an electronic locking system. All control of the electric motor with sensing and varied performance is also carried out.

bike emotion® >> BEWEGEN

Nacional and International partnership

universidade de aveiro	iO microio
maisis	ubiwhere

bike emotion®	PROCYCLE	Miele
eVOX	ROCKY MOUNTAIN	MICHELDALLAIREDESIGNINDUSTRIELINC.

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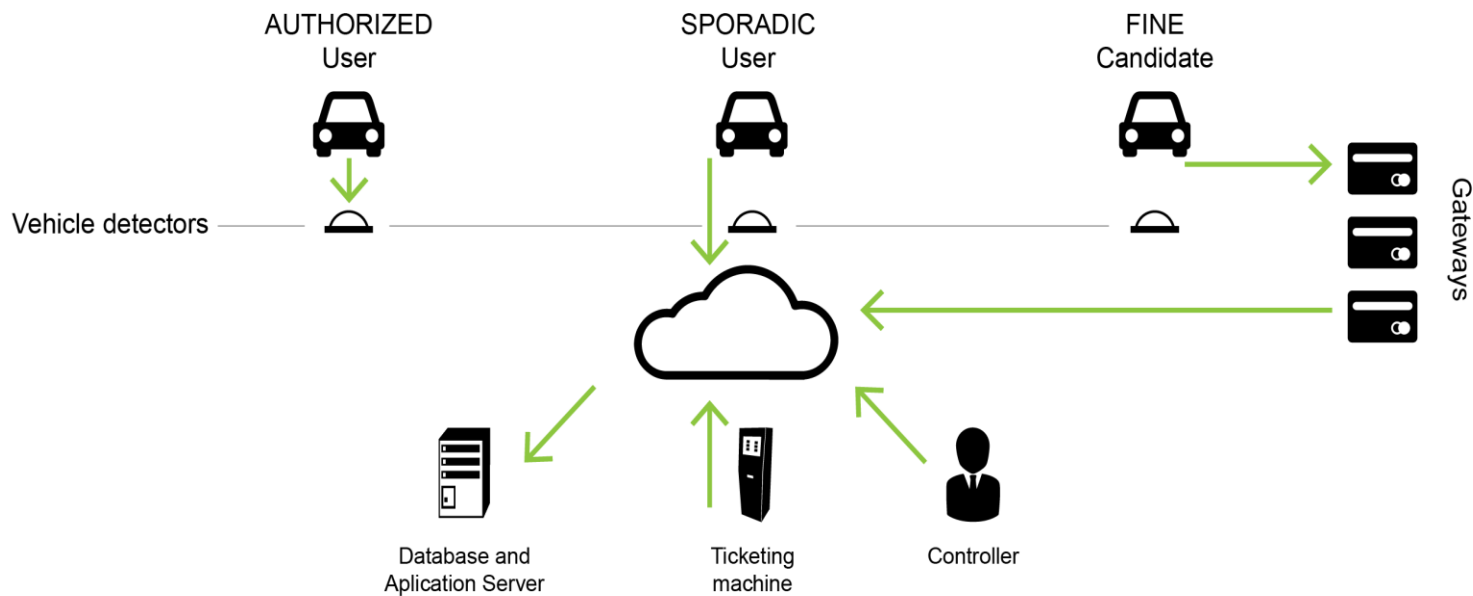
SMART PARKING

Parking management, where there is reserved or paid parking or even in outdoor parks with adaptation in system of indication of quantity and location of free places.

- Alarm in case of misuse
- Support parking: screen indicating the free spaces
- Ease of payment (smartphone, kiosk, internet)

AUTHORIZED User

SPORADIC User

FINE Candidate

Vehicle detectors

Gateways

Database and Aplication Server

Ticketing machine

Controller

10

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FUTURE CITIES

Plataform for acquisition of environmental data for installation in fixed and mobile points (STCP Buses) in Porto city.

Coordenation with Competence Center for the Cities of the Future of Universidade of Porto.

Ongoing applications for projects in the Smart Grid area and Crowdsensing.

Microio – Serviços de Electrónica, Lda

Miradör Business Center
Rua do Brasil, Lote 1, nº18 Escritórios 8-11
3800-009 Aveiro, Portugal

T. +351 234 305 430

microio@microio.pt

www.microio.pt