



SALTO
inspiredaccess

Latest trends in Campus Access

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SALTO Systems: The company

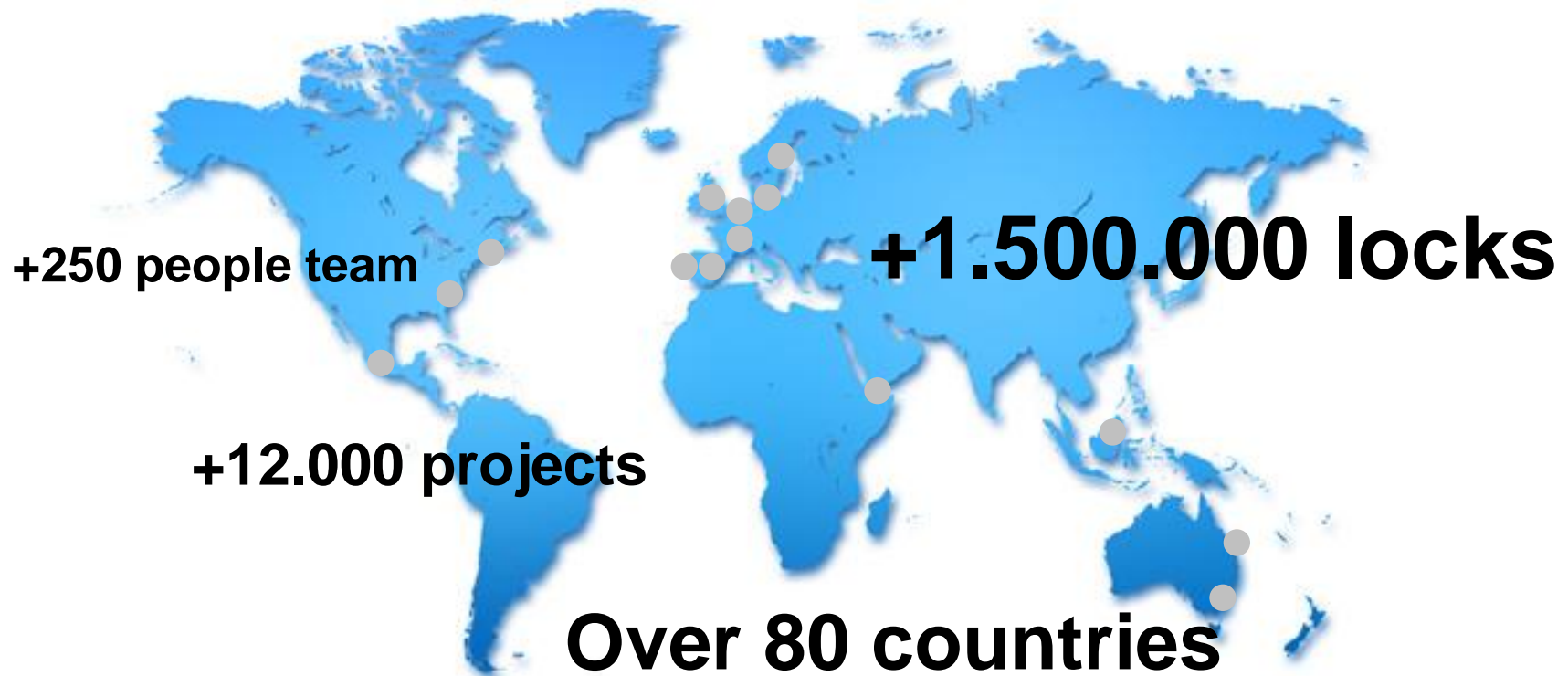


SPECIALISTS in electronic, software and mechanical aspects of ACCESS CONTROL

Innovative Wire-free networked AC technology

Intelligent combination of stand alone electronic locks and readers, PLUS some strategically located on-line wall readers with updating capabilities

SALTO Systems: World Wide



SALTO Systems HQ, Spain - SALTO Systems Inc, Atlanta - SALTO Systems Ltd, Birmingham
SALTO Asia-Pacific, Singapore - SALTO Australia, Melbourne, Sydney - SALTO Canada, Montreal
SALTO Mexico, Cancún - SALTO Middle East, Dubai - SALTO Netherlands, Amsterdam
SALTO Portugal, Oporto - EVVA - SALTO, Sweden, SALTO Denmark, Jerslev - SALTO GmbH, Germany

SALTO Systems: Our business areas



SALTO Systems: Education



> Oxford University



Several colleges at the University using SALTO for their access control in over 550 staff and students doors.



SALTO Systems: Education



Cambridge University, Brunel University, Nottingham University, UK

Guildford University, London School of Economics, UK

Princeton University, University of Hawaii, USA

American University in Cairo, Egypt

Curtin University, Sidney University Village, Australia.

University of Amsterdam, Technische Universiteit Delft, Netherlands

ESADE Business School, Spain

Hogeschool van Amsterdam, Netherlands

University of Monterrey, Mexico

Winnipeg University, Canada

Lugano University, Switzerland

Luxembourg University

Oslo University, Finland

Lund University, Sweden



SALTO Systems: Education Portugal



CAMPUS

Universidade da Beira Interior
Universidade de Coimbra
Universidade da Madeira
Universidade da Évora

FACULDADES / INSTITUTOS / ESCOLAS

Faculdade de Farmácia da Universidade de Lisboa
Associação Académica da Universidade de Lisboa
Faculdade de Ciências Sociais e Humanas Universidade Nova de Lisboa
Faculdade de Higiene e Medicina Tropical Universidade Nova de Lisboa
Universidade Autónoma de Lisboa
Faculdade de Belas Artes da Universidade do Porto
Escola das Virtudes
Instituto Superior Politecnico de Gaia
Instituto Superior entre Vouga e Douro
Instituto Politécnico do Porto – Residências Universitárias
Instituto Superior de Estudos Superiores Financeiros e Fiscais
Escola Superior de Tecnologia do Barreiro do IPS
Residências Universitárias - SASIPS



SALTO Systems: Airports



> Heathrow Airport T5



To protect a number of sensitive areas at **London Heathrow Airport**, SALTO has installed over **3500 RFID electronic locks and cylinders** in **Terminals 1, 2, 3, 4 and 5**.



SALTO Systems: Corporate



> The Executive Centre (TEC) HK



The Executive Centre in Hong Kong to install SALTO electronic access control in **16 offices across whole Asia with over 1500 doors** and more to be added as the network of centres expands.



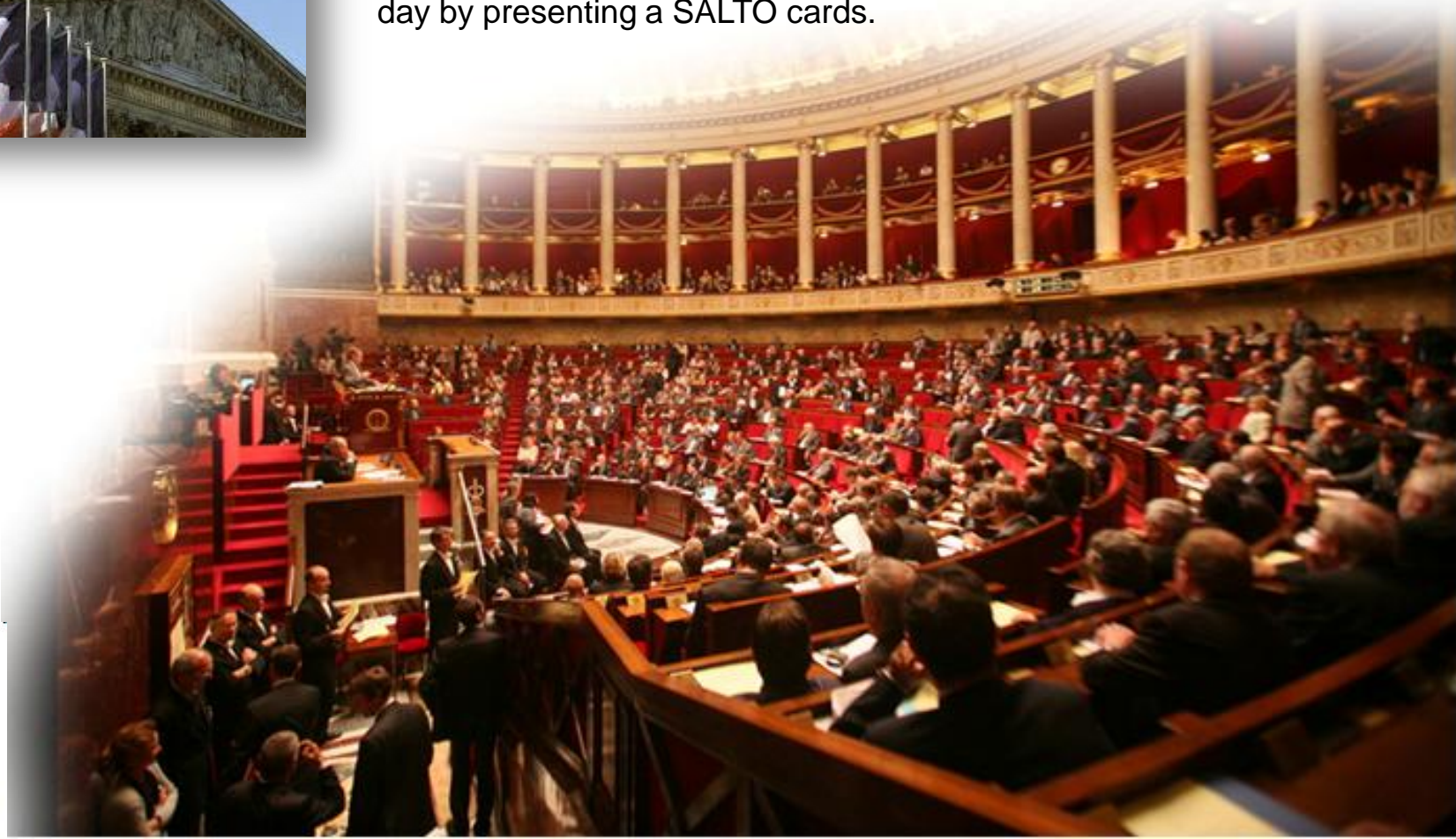
SALTO Systems: Governmental



> Assamblée Nationale FR



Parliament of France, the Assamblée Nationale, in the year 2002 and 2003 equipped more than **700 doors with SALTO escutcheons**. Close to a thousand people open their doors every day by presenting a SALTO cards.



SALTO Systems: Hospitality



> Waldorf = Astoria Collection US



The Dakota Mountain Lodge & Spa, Waldorf = Astoria Collection has selected SALTO Systems RFID

“Our clientele expects the very best simply because we are a Waldorf Hotel,” says **Lynne Sienon, the Corporate Director of Loss Prevention for Hilton Hotels Corporation**, “and this is also true for their safety and security. SALTO Systems meets those expectations and gives us that security guarantee.”



WALDORF
ASTORIA®
HOTELS & RESORTS

SALTO Systems: Enterprise



> T-Mobile. Austria



The futuristic and award winning T-Center, the most striking building on the Vienna skyline and **the headquarters of T-Mobile Austria**, has installed SALTO access control platform to manage daily entrance and movement of several thousand employees to over **1200 doors**.



T-Mobile

SALTO Systems: Healthcare



> General Hospital in Ontario, Canada



SALTO access control secures the entire facility:

- Perimeter doors
- Interior doors
- Closets, file cabinets, drug storage areas and lockers



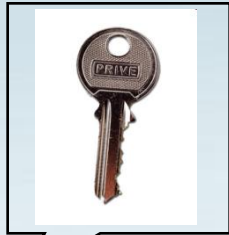


How can
we do it...

Access control/ card world evolution



Mechanical Key



1970

Punch Cards



1982 1986

Chip

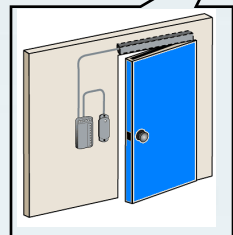


1990 1992

Data on card



2001 2011



Wired Readers
- Mag stripe / Wiegand



Stand alone locks



MIFARE
- RFID



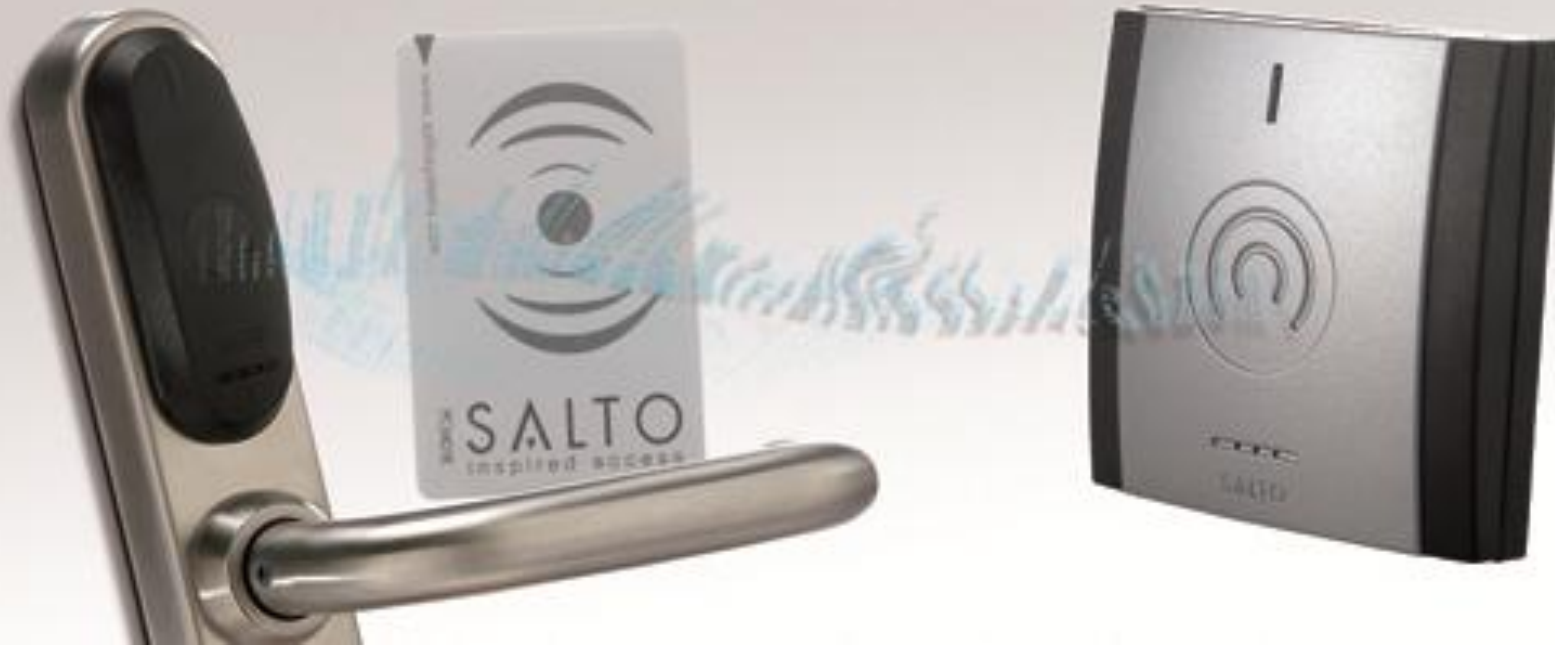
Wireless On-line

Wirefree networked access control



Data-on-card technology - SALTO Virtual Network or SVN.

“Provides our customers a very **cost efficient** access control system which **combines off-line and on-line electronic locks**, all of them being part of the same network through a **smart use of the user's credential**”



SALTO Virtual Network



***95% of what you get from
a wired online system..
..at the cost of a stand
alone system***

***SALTO Wire-free networked
access control system***

Using the **distributed intelligence** both in the escutcheon / electronic cylinder and in the key card to allow users to manage their access control requirements in a secure way.



Get Inspired by the all new technology for a secure keyless future

SALTO Virtual Network



ON-LINE POINT

OFF-LINE LOCKS

New Access plan



Data verification



Card actualization



Audit trail

Audit trail



Black list

Black list

Data verification



Battery status



SALTO Virtual Network: Benefits – Increased Security level



Safety –

Lost key cancellation

Control of ALL doors –

In all university facilities

System auditor –

Total control on who access where and when

NO more duplicates –

System secured by encryption and SALTO system proper authentication, antycloning



SALTO Virtual Network: Benefits – Advanced facility management



- Centrally managed all doors in the campus
- 4 mln users and 64.000 doors
- Perform changes on the access plan on the fly
- Dynamic access plan - New key every day
- Automatic card assignment
- Delegates and departmental management



SALTO Virtual Network: Benefits – Profitable



Contractor/Staff Control
+ Productivity & - Fraud

No re-keying
Just one card for the user

Cost per door much lower

No maintenance costs

Smart battery management
Prevent and plan the maintenance

Simple installation and future proof





Now
imagine...

SALTO Wireless real-time access control

_ideal complement to *SALTO Virtual Network*

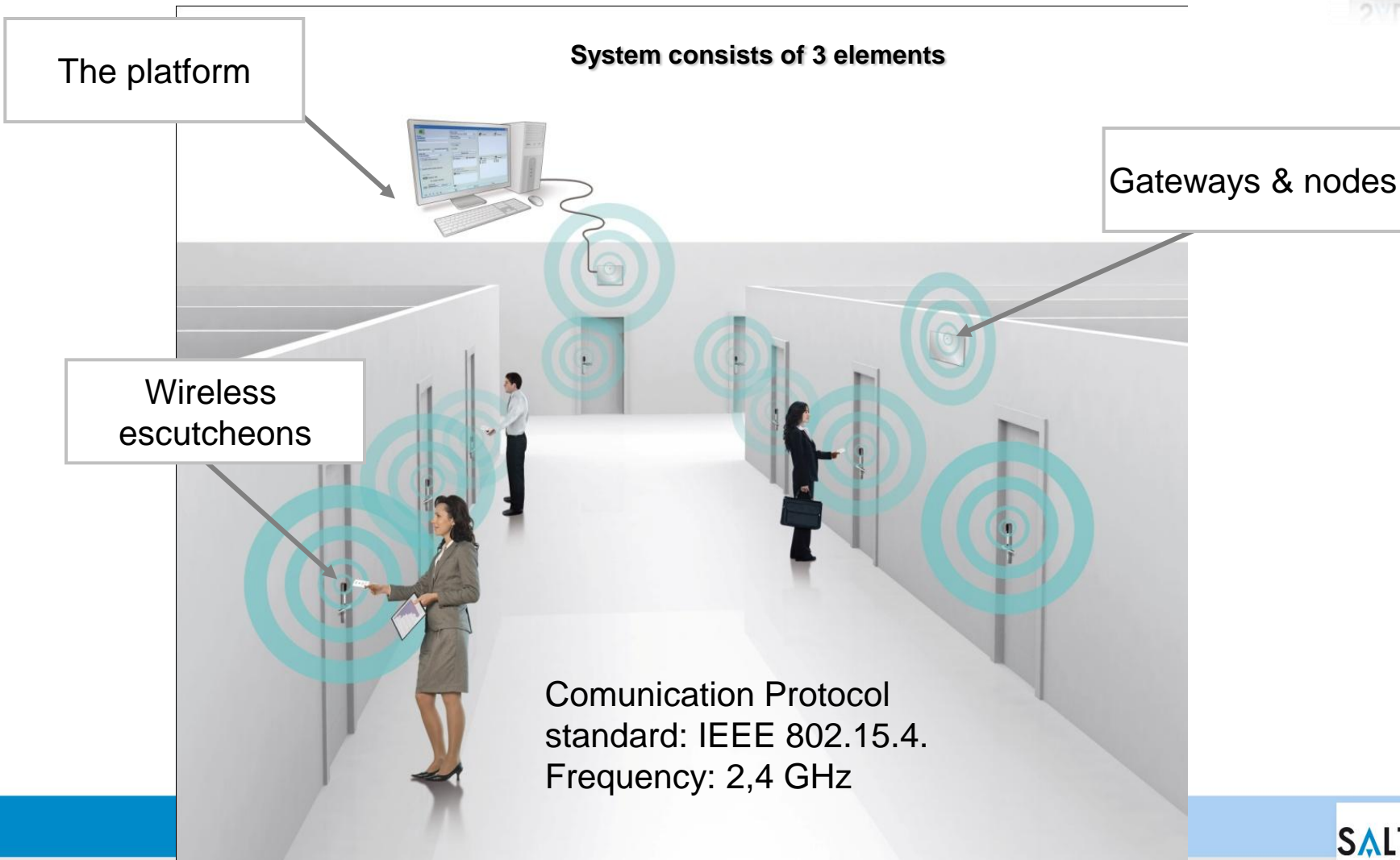


SALTO wireless system - on-line real-time battery powered system that use the radio frequency technology to communicate in real-time with the central computer



SALTO Wireless real-time access control

_ideal complement to *SALTO Virtual Network*



SALTO Wireless real-time access control

_ideal complement to *SALTO Virtual Network*



With a single click of a mouse you can:

- Configure or make changes to the electronic escutcheons network
- Delete users remotely
- Check the electronic escutcheons network for maintenance
- Have a real door control.
- Alarms
- Track users around the Building.

And all this and much more *in real-time*

Keyless Campus - Solution for every door



Lockers | Cupboards | Cabinets

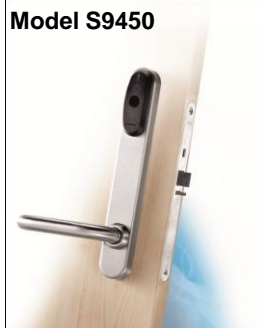
Emergency Exits

Offices | Class Rooms | Laboratories | Archives | Server | Storing Rooms

**Actualization Points
Main Entrances |
Lifts | Turnstiles**



Keyless Campus - Solution for every door



Keyless Campus - Solution for every door



**XS4 Electronic lock
with KEYPAD increases
security and control**

More than one way of
authentication
to grant the access



Keyless Campus - Solution for every door



Fully integrated with the SALTO XS4 platform, the **SALTO AMOK** electronic escutcheon is a **lock designed to lock down a room quickly** to protect and secure students and staff in the event of an emergency or other event.



Keyless Campus - Solution for every door



SALTO Advanced panic bar solutions

enable emergency exit doors equipped with panic bars to be controlled with an innovative stand alone electronic locking system.

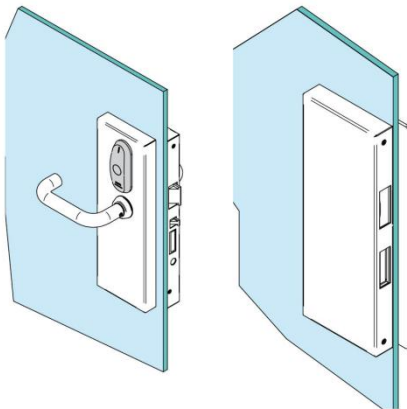
SALTO stand alone electronic locks can be fitted, in combination with adaptor kits, to more than 40 leading panic bars from the most popular manufacturers.

All the benefits of SALTO for emergency exits.

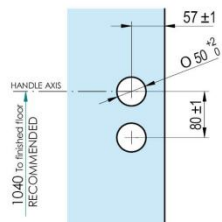
Keyless Campus - Solution for every door



The XS4 glass door lock has been specially designed for use on the most standard glass doors. Its steel body is stylish and modern and its unique 'sandwich body' construction makes it easy to install – without having to replace the door.



-Notch Dimensions DIN 18101



Keyless Campus - Solution for every door



SALTO wall readers + SALTO Door

Controllers enable the expansion of SALTO access control benefits to all those doors where a stand alone electronic lock cannot be fitted i.e. **barriers, turnstiles, elevators, mechanical doors** etc, or where control must be boosted by on-line real-time access control.



Updating points of the carrier via SALTO Virtual Network making possible to cancel lost or stolen cards remotely.



Keyless Campus - Solution for every door



**XS4
Locker**
by SALTO

SALTO electronic locker locks are designed to provide a high level of security protection and control access to a wide range of **lockers, cupboards, display cabinets, boxes, cases** and more.

Keyless Campus - Solution for every door



Aelement RFID lock - the minimalistic design of its RFID reader looks stylish and discreet on any door.

AElement enables users to choose between the on-line and off-line world as all locks are designed to be **wireless ready**.



New AElement RFID Lock



Keyless Campus - Solution for every door



The **SALTO** range of electronic **GEO** cylinders is fully integrated with the XS4 platform



Whatever your access control needs, SALTO electronic cylinders provide an ultra modern solution that will compliment any type of door wherever they are used.

Multi-application

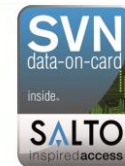


SMART CARD

USER Card - Campus Card



Integration with security platforms



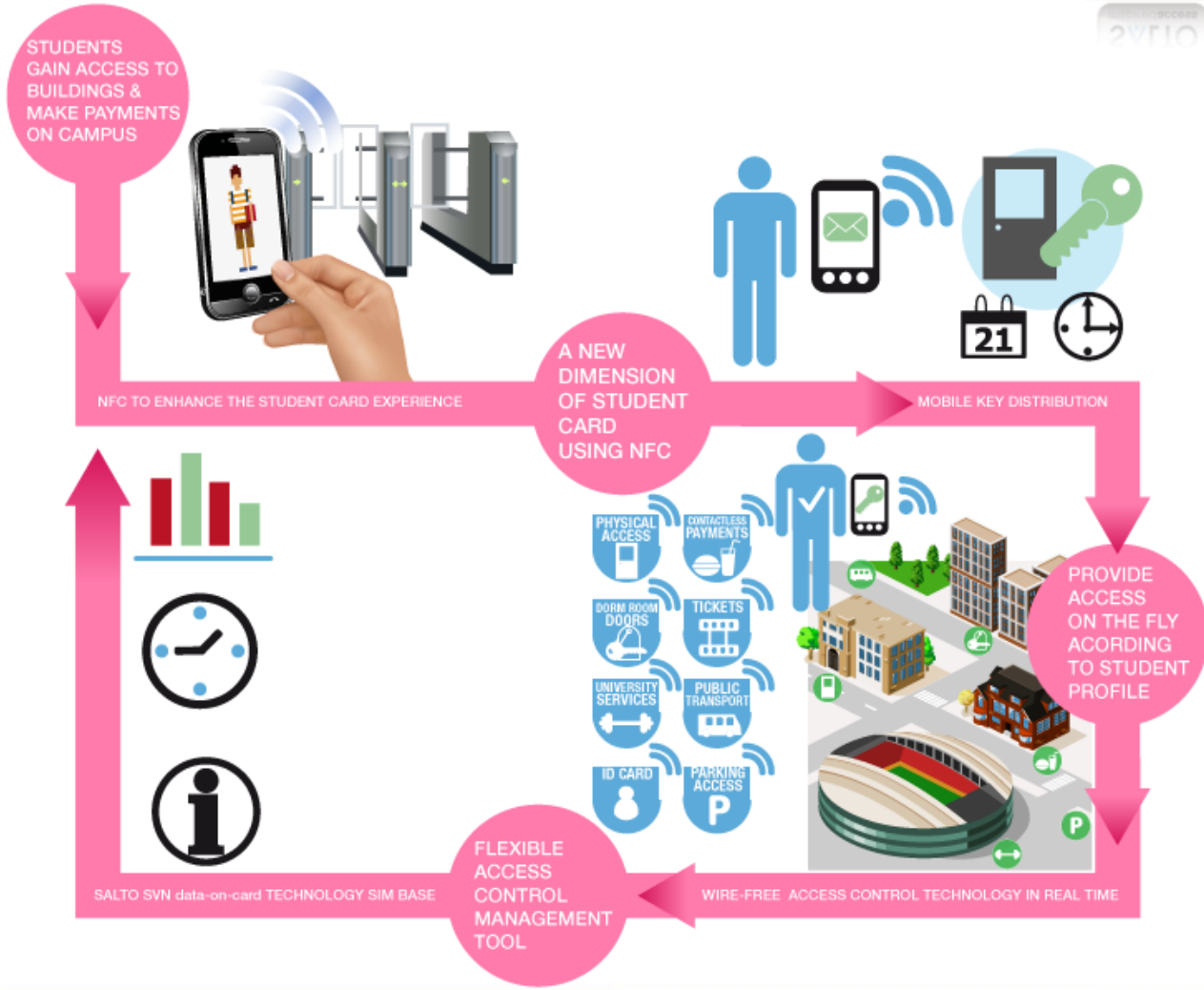
The access control system integrated in the security management system, being a part of complete security platform.



Data-on-SIM Card [NFC.mp4](#)



MOBILE KEY
real-time ACCESS
as the
VALUE-ADD
of NFC-enabled
standard Mobile
solution by SALTO.





info@salto

SALTO
inspiredaccess



THANK YOU

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