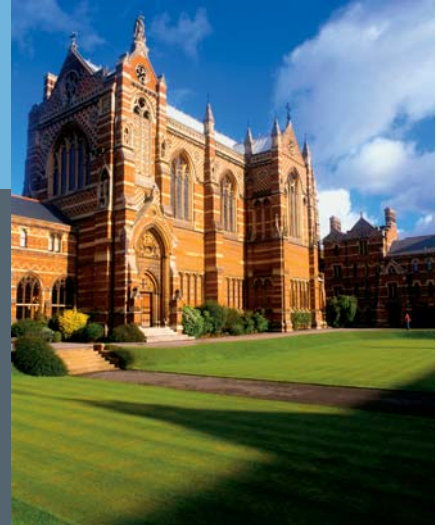


SALTO
campus access





PRO-Access is a state-of-the-art electronic lock system, featuring distributed intelligence both in the lock and in the key.

The software manages intelligent electronic locks and keycards for standalone wire-free applications. Optional on-line readers provide real-time access control for perimeter doors. Retrofitting existing locks by means of a "bolt-on" intelligent escutcheon is a 10 minute operation.

WHAT IS UNIQUE ABOUT IT?

It basically eliminates the "walking with the lock programmer" and introduces the locking schedule flexibility needed for true campus-wide usage: residence, sport facilities, labs, office, classroom, etc...

VIRTUAL ONLINE PERFORMANCE

Salto Virtual Network (patented SVN): a smart combination of on-line and stand alone readers that are accessed by means of "intelligent" keycards. SVN achieves performance levels only matched by fully on-line access control systems.

Provides 90% of the benefits of an on-line system at the cost of a stand alone system.

Based on a simple principle: keycards automatically store and convey information back and forth between stand alone locks and the PC. This is done by means of a few strategically located on-line perimeter access readers that serve as data transporters too. This principle allows for automatic:

- Lost keycards cancellation. No need to walk with a programmer.

- Audit trail: who was where and when? Audit trail is kept both on the lock and on the keycard. Each time a keycard is used at an on-line perimeter reader all the off-line transactions (audit) are automatically transferred and stored at the PC. No need to walk with a programmer.

- Low battery reports. No need to walk with a programmer.

UNMATCHED FLEXIBILITY

Change keycard access privileges on the fly (doors/users locking schedule). No need to walk with a programmer. No need to recoup keycards or get hold of the users. On-line readers automatically write any schedule changes on the keycards.

Adding/deleting users/locks in the system without reprogramming locks. No need to walk with a programmer.

AUTOMATIC STAFF TRACKING

You can now track all your staff activity right from your PC. No need to walk with a programmer.

MULTI-DEPARTMENTAL KEY/LOCK MANAGEMENT

Conventional wisdom says: electronic locks are used in residence halls only and all other areas' security is left to "ancient" metal keys and locks. PRO-ACCESS manages the entire campus: housing, labs, sport facilities, offices,...

- The entire campus can be operated by one software database.
- Each department has authority to manage only its locks and keycards and will not accidentally be able to interfere with other departments' locks and keycards.

INTERFACES

The system interfaces with your current databases and campus card system.



COMPREHENSIVE SOLUTION

The following optional items are operated by the same keycard and available from Salto Systems:

Intelligent power switch (residence): cuts your energy bill up to 40%.

Electronic Lockers (residence, offices and sport facilities).

Electronic PIN-pad Safes (residence and offices).

System Layout

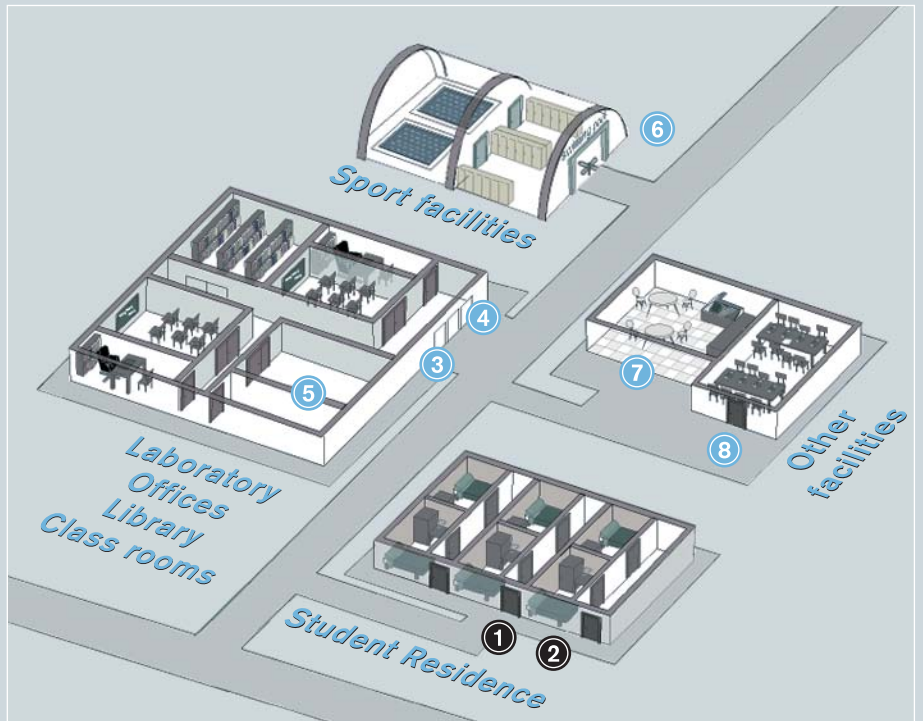
ON CAMPUS STUDENT RESIDENCE

- ① **Student Residence**
Stand alone access control locks on room doors.
Virtual network interface through user cards
Stainless steel finish and robust design.

- ② **Entrance to residence building**
Salto online control, Ethernet or WiFi
Key Update capability
Change access profile
Delete Lost student Keys
Uploads on-card audits & battery status of stand alone locks.

UNIVERSITY MAIN BUILDING

- ③ **Entrance to University main building**
Salto online control, Ethernet or WiFi
Key Update capability
Change access profile
Delete Lost Keys
Uploads on-card audits & battery status of stand alone locks.
Online or Offline wall readers on shell of the building
- ④ **Campus security**
Central control software
Real time control
Update access profiles
Add / Delete key cards
- ⑤ **Faculty Staff offices**
Stand alone access control locks on room doors.
Virtual network interface through user cards
Stainless steel finish and robust design.
- ⑥ **Sport facilities**
On line access control connected to turnstile
Free assignment Salto i-Lockers to leave personal belongings in a safe place, with full control.
- ⑦ **Café/Restaurant**
Use multiapplication Salto cards for cashless payment at participant retailers and restaurants.
- ⑧ **Student center**
SALTO PRO ACCESS management software
Up to 64,000 users with their own profile time zones, etc
Host interface protocol available to interface with University management software data base.



System Components



Laboratories, Sport Facilities, Residence Halls, Office Areas

STAND ALONE ELECTRONIC LOCKS

All electromechanical parts are built into the lever trim (escutcheon) and can be "bolted on" existing door/locks. No lock replacement is required on retrofit scenarios. Standard installation time = 10 minutes (retrofit) or 2 minutes on new doors. Audit: unlimited event audit trail!

Battery powered (4x standard alkaline AA, good for 80,000 + openings).

Circuit board: Built in intelligence, non-volatile audit trail memory, real time clock calendar, optional all-weather package... '85. Fits any door type.

Available for glass doors.

Heavy Duty construction. Exceeds ANSIA-156.25 Grade-1 specs.

Optional Keypad and metal key-override.

READERS

On-line readers (Ethernet or Dedicated network) control perimeter access and automatically upload audit/activity information from keycards and update locking schedule on the keycards.

Off-line readers (stand alone).

KEYCARDS/CREDENTIALS

Read-write capable. Its memory carries information back and forth to/from stand alone devices. 4 technologies:

Contactless RFID _Contact smart card _Dual Technology _Dallas iButton

Built-in audit trail: who, where, when.

Protected from unauthorized copy (*).

SOFTWARE

Controls who has access where and when: calendar, time zones, shifts, special days, vacation period, groups, departments, zones, areas, staff tracking... '85

64,000 users and 64,000 doors.

Controls the keycard encoder.

PORTABLE PROGRAMMER

Maintenance tool for stand alone devices. Menu: initialize, update, emergency opening, audit, clock/calendar updates, diagnosis, etc...

CREDENTIAL ENCODER

Encodes new keycards.

Automatically uploads audit/activity information from keycards and updates locking schedule on the keycards.

INTELLIGENT POWER SWITCH

Power switch for students' residence.

Saves up to 40% of the residence power bill.

Operated by the access keycard.

LOCKERS' LOCK

Operated by the access keycard.

Modes: free assignment or pre-assigned.

For residence and sport facility use.

ELECTRONIC SAFES

Operated by the access keycard.

For resident housing or office use.

