

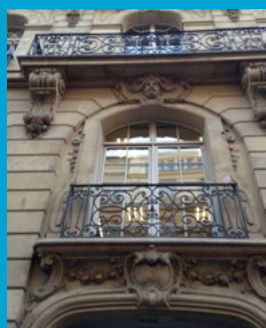
Aperio®

Wireless access control

References overview

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Opening Solutions

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Globally successful

Customers across Europe, the Middle-East and Africa trust Aperio



Want to upgrade your access control system?

Aperio wireless locks from ASSA ABLOY are built to open standards, to integrate seamlessly with security and automated building management solutions from over 100 different OEMs. More than just doors, Aperio also has devices for cabinets, server racks and more.

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Commercial

Aperio for commercial buildings



Integrate security. Save energy.

"Aperio offered a cost effective solution that did not require any cabling, and good technical and commercial support."

Sayed Abou El Ella, Safety and Security Manager at Hyatt Regency

Aperio helps commercial environments to manage the different security needs of public and private spaces – by controlling permissions to access entrance doors at a different level to private offices, for example. With Aperio Online, security managers can perform a security audit on demand and in real time. Aperio also helps to maintain site aesthetics. Aperio installation needs no wiring, so there is no need to interfere with building design. Cost savings in large commercial spaces switching to Aperio can be significant, because locks are

powered by standard lithium-ion batteries. Aperio locks only "wake up" when a credential is presented. Magnetic locks rely on an always-on mains connection, and so consume much more energy.

Aperio also cuts the security risk of lost keys. Rather than the expensive and laborious task of replacing a lock, administrators simply de-authorize a lost credential and a site's secure status is regained.

Aperio® component design: A perfect fit for new-build Hyatt Regency Hotel office spaces in Dubai

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Gallagher & x-Plan integration make Aperio the right choice for Hyatt hotels administration

76

Aperio doors added to the electronic access control system



"Aperio offered a cost effective solution that did not require any cabling, and good technical and commercial support."

Sayed Abou El Ella, Safety and Security Manager



Back-office access control at Dubai's new Hyatt is now future-proofed. Aperio online and offline integration with official partners Gallagher and PLAN

Project

Company: Hyatt Regency Dubai Creek Heights (dubaicreek.regency.hyatt.com)

Segment: Travel & leisure

Location: Dubai, UAE

ASSA ABLOY partners:

Gallagher (online) and x-Plan (offline)

Aperio devices installed:

25 E100 online escutcheons and 51 offline E900 escutcheons

Installer: Al Futtaim Technologies

(alfuttaimtechnologies.com)

RFID technologies: MIFARE™ & DESFire™

Year of installation: 2015

Challenge

A new 5-star hotel in Dubai's Healthcare City, the Hyatt Regency Dubai Creek Heights has 464 luxury rooms spread over 34 floors. It caters to both business and leisure travellers.

The hotel required a new electronic access control system for its non-public facing areas, including administrative back-office space. The job demanded premium build quality that is found throughout all Hyatt Regency properties.

Key requirements included:

- Electronic locks that would integrate seamlessly with the Gallagher access control system installed at the hotel
- A full range of both online and offline locks that could be deployed where appropriate
- Locks that are wireless, and with a design that would work alongside the contemporary layout of the new commercial areas

- Reliable technical and customer support from both ASSA ABLOY and a local system integrator
- Cost-effective solution to meet project budgets

Solution

Back-office access control at Dubai's new Hyatt is now future-proofed. Local system integrator Al Futtaim Technologies installed a mix of online and offline Aperio electronic access control devices. To date, 25 online E100 escutcheons and 51 offline E900 escutcheons have been fitted. Aperio enables security managers at the new Hyatt to monitor doors remotely; to open doors wirelessly; and to create audit trails for specific staff-access only doors on demand.

Attractive Aperio component design ensures new escutcheons complement the contemporary feel of the Hyatt's new commercial back-office space. Aperio wireless escutcheons are easy to install and linked to the access control systems. Aperio equipped doors are operated with standard RFID smartcards and powered by standard batteries. It will be easy to incorporate additional Aperio locks should the hotel need them.

Learn more:

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Aperio® delivers future-proofed access control at London's new £15 million innovation hub

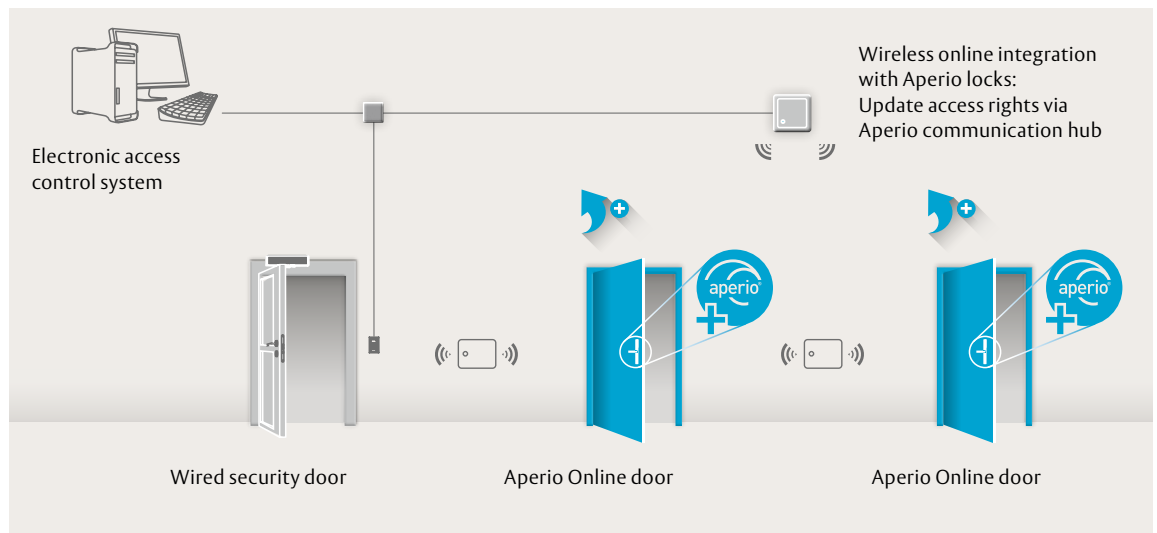
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Aperio product design blends with this modern glass office space

25–30%
Proportion of
London's flexible
workspace occupied
by corporates*



Project

Company: Plexal (www.plexal.com)

Segment: Office/Corporate

Location: London, UK

Access control system/integrator:

NetNodes DoorFlow (www.doorflow.com)

Aperio devices installed:

59 Aperio L100 Wireless Locks (to date)

RFID technology: MIFARE Classic

Year of installation: 2017

Challenge

Based at Queen Elizabeth Olympic Park, Plexal is a new £15 million flexible workspace aiming to be a base for East London's 'innovation community'. It brings enterprise and academia together under one roof.

Plexal sits within Here East, the former press and broadcast centre for the London 2012 Olympics Games being reconfigured for technology companies, start-ups, universities and creatives. Key requirements for a new access control system at Plexal included:

- Reliable high-end security to protect the new coworking space against unauthorised intrusion and burglary
- Easy, non-disruptive installation of new locking devices without the need for wires
- The flexibility to expand the access control installation if/when needs at Plexal scale over time
- Aesthetics to match Plexal's contemporary office design

Solution

The office space has been fitted with Aperio wireless, access card-based locking technology. Plexal's Aperio locks are integrated with DoorFlow, NetNodes' online platform for managing and auditing building access. So far, 59 Aperio L100 wireless high-security door locks have been installed. These Aperio locks provide Plexal with the highest levels of physical protection, and transmit comprehensive door status information to DoorFlow in real time.

"Plexal required an adaptable locking solution for a range of different doors and, with no wiring required, it was quick and easy to install Aperio with minimal disruption," says Stewart Johnson, Director at NetNodes.

Because they are battery- rather than mains-powered, Aperio locks also keep Plexal's maintenance costs and energy consumption low. Aperio aesthetics were a good fit for Plexal's modern workspace. *"We have a futuristic-style open plan design here at Plexal — our offices are predominantly glass-fronted, so we needed an effective stylistic design which was not only robust but adaptable too,"* says John Herbert.

Aperio access control technology is future-proofed, giving Plexal the option to expand to new offices, floors or even buildings easily. *"We foresee change in the not-too-distant future and are delighted at our options to modify,"* adds John Herbert.

Learn more:

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Water Security and Wireless Access Control at Povodí Vltavy Praha

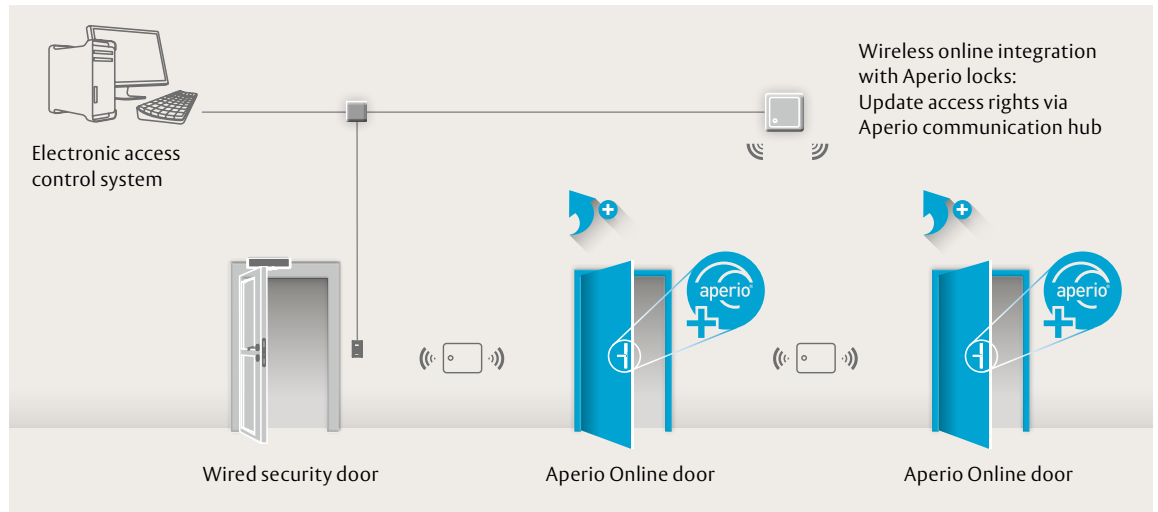
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In the Czech Republic, Aperio protects state enterprise for water management

70
additional Aperio
doors integrated
into access control
system



“Mechanical keys are no use for security needs as stringent as ours. With Aperio from ASSA ABLOY, we get the highest level of wireless security for an affordable price – leaving as much of our budget as possible for important environmental work.”

Vít Šnévajs at Povodí Vltavy Praha



ASSA ABLOY partnered with ANet to install new wireless access control devices in combination with their access control system Guard

Project

Company: Povodí Vltavy Praha

Segment: Government

Plant location: Prague, Czech Republic

Aperio Partner: ANeT

Access Control System: Guard

Aperio devices installed:

Approximately 60 Aperio E100 and E100 Premium escutcheons

RFID technology: MIFARE

Challenge

Povodí Vltavy Praha is a state enterprise that manages and maintains significant watercourses and state-owned waterworks in the Czech Republic. After replacing old buildings at its Prague site with three new administrative buildings, Povodí Vltavy sought a 21st-century security solution.

Key requirements included:

- A modern system with the ability to control access rights online
- Battery-powered locks to reduce running costs and avoid disruptions on site
- Flexible access via RFID cards rather than old-fashioned, less-secure mechanical keys

Solution

The answer was Aperio: ASSA ABLOY partnered with ANet to install new wireless access control devices in combination with their access control system Guard.

Doors in the new administrative buildings are equipped with around 60 Aperio E100 and E100 Premium escutcheons, which guarantee a high standard of wireless security at the site. The new wireless locks are opened with MIFARE RFID smart cards.

The installed Aperio 1-to-8 wireless communications hubs connect locks wirelessly to the Guard access control system. These hubs allow up to 8 Aperio doors to remain connected to the access control system with the installation of a single hub — a cost efficient and low-profile solution for any building able to locate multiple doors lie within 15 to 25 metres of a hub. Using ANet's Guard system with battery-powered Aperio locks access control is future-proofed at Povodí Vltavy Praha.

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* see www.propertyweek.com/insight/conventional-real-estate-has-totally-misunderstood-co-working/5100136.article

The Science Park of the Future, with Aperio® Technology from ASSA ABLOY

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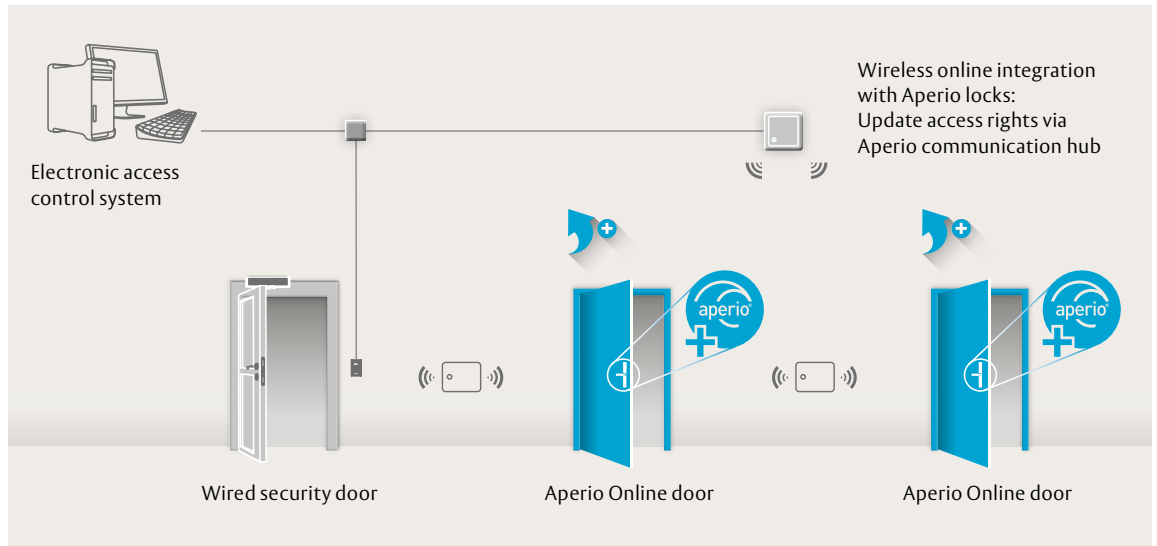
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The science park of the future comes with Aperio technology

140

additional Aperio doors integrated into access control system



Project

Company: Technologické centrum Písek / Technology Park Písek (www.tcpisek.cz)

Segment: Private office complex

Plant location: South Bohemia, Czech Republic

Partner: ABBAS

Access Control System:

Dominus Millennium from ABBAS

Aperio devices installed: Approximately 140 online Aperio E100 escutcheons

RFID technology: iCLASS® from HID Global

Challenge

The Technology Park Písek is a science and technology centre built inside the Czech Republic's former Žižkov barracks, in South Bohemia. It opened in autumn 2013, after a total investment at the site of 450 million CZK (Czech Koruna). The 4-floor building is covering 7,600 m² to house 18 to 20 companies, mainly in the ICT sector, including a modern data centre.

The Technology Park operates around the clock, 7 days a week. It will be home to multiple businesses in the technology sector, so access control needs to be reliable and security needs to be watertight. Low-security solutions such as mechanical keys were not an option for such an important investment.

Technology Park Písek will house around 300 employees working for a number of small companies who use the site: security also needs to be flexible and able to quickly adapt to regular changes in site personnel.

Solution

Around 140 Aperio E100 escutcheons from ASSA ABLOY have been installed at the site. Each is linked wirelessly to the electronic access control system from ABBAS. Employees and other staff based at Technology Park Písek open doors using RFID technology, in this case with iCLASS® from HID Global compatible smart cards.

Deployment was straightforward and wire-free, and can easily be extended should needs at the site change. Aperio online solutions enable facilities managers at the site to conduct real-time security and access audits and to issue or revoke access rights instantly.



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Education

Aperio for universities



Boost security. Add convenience.

"Installation was problem-free. Aperio has proven to be very cost effective and is really appreciated by staff and students."

Magnus Svensson, Infrastructure Manager at Lund University Faculty of Law

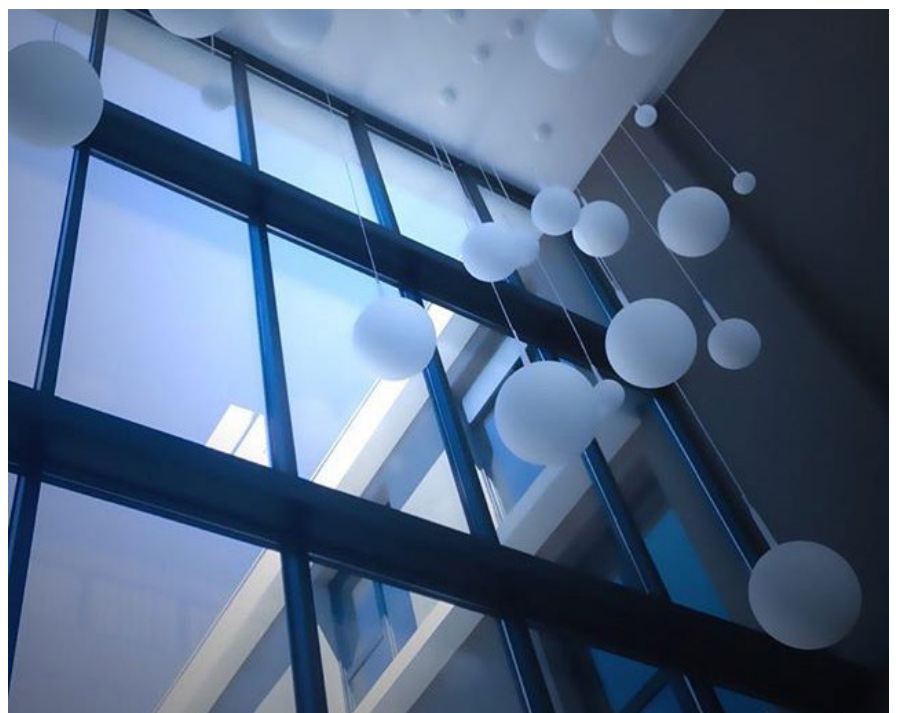
Staff and student security is a priority for universities, schools and institutions. Sensitive areas including libraries, computer labs and private offices need protection. Access control must be adaptable to accommodate all kinds of visitors, every day, and locks must be easy to fit to existing doors without disrupting the learning environment. Aperio installations across the globe have it covered.

Aperio also adds convenience. With Aperio wireless locks installed, staff and students can use a single RFID smartcard for room access, ordering printing services, and even making payments. Security managers can tailor access control to the level of the individual person or door, for example permitting access to some areas only at specific times of the day.

With Aperio® technology, one card opens student rooms, pays for lunch and works the printer

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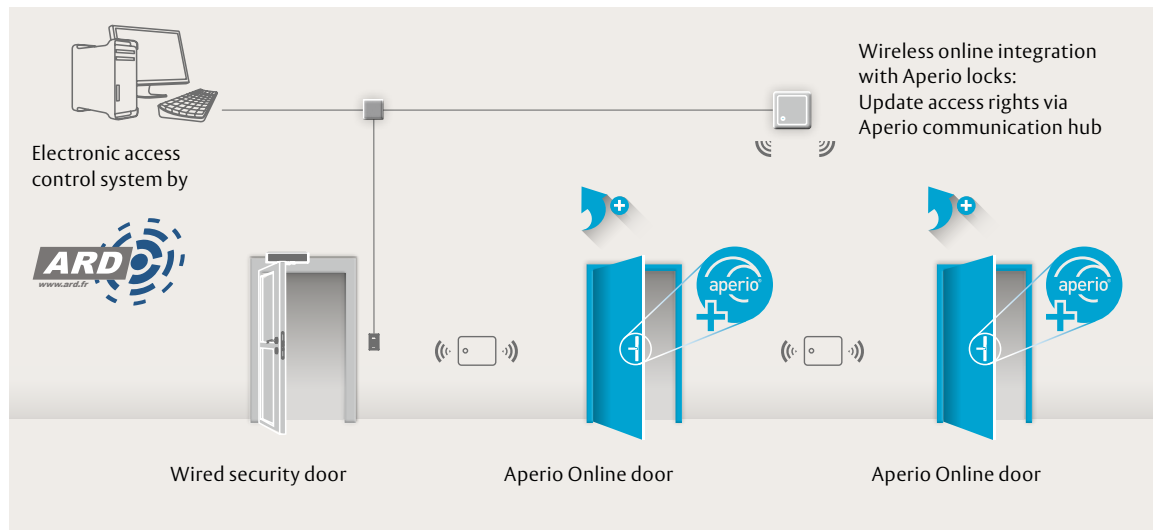
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Aperio minimises lost key hassles for a growing student accommodation block

€ 13.6 bn.

invested in European student accommodation during 2017 occupied by corporates*



"Aperio provides a comfortable access solution. Our students can access their accommodation, use the printer and pay in the canteen with the same card."

Cyril Combacal,
CROUS Montpellier

Project

Company: CROUS Montpellier
(www.crous-montpellier.fr)

Segment: Education

Location: Montpellier, France

Access control system/integrator: ARD

Aperio devices installed: approx. 1,500 Aperio Online wireless cylinders (to date)

RFID technology: MIFARE®

Year of installation: 2014–

Challenge

CROUS is a nationwide resource used by students all over France. Services provided include financial aid, affordable dining and modern accommodation for the duration of their studies.

The team at CROUS Montpellier planned a rolling upgrade of their student accommodation. Managers sought an efficient, easy-to-use replacement for an existing mechanical master-key system.

Key requirements for new access control devices included:

- Reliable security to protect CROUS Montpellier students against unauthorised intruders, property damage and burglary
- Seamless compatibility with an ARD access control system in use at their sites
- Easy, non-disruptive installation of all new locking devices
- Compatibility with the CROUS system, where one credential can open student room doors, pay in the canteen and order printing services
- Flexibility in handling lost credentials and issuing new ones

Solution

Lost keys are a constant drain on resources for anyone running a master-key system at a large site. CROUS Montpellier fixed their lost key problems by exchanging mechanical locks for Aperio cylinders. These easy-to-fit wireless locking devices with built-in RFID readers have transformed facility management for the accommodation block. To date, 1,500 wireless Aperio cylinders have been integrated online with their ARD security system.

Now, when a student loses their key-card, it's simple for a site manager to cancel the old credential and issue a new one. There is no need to engage a locksmith to replace physical locks, saving everyone's time and CROUS money. Because Aperio integration at CROUS is online, managers block lost credentials quickly using the software, without visiting the door. It is just as easy to de-authorise credentials for students who leave, even if they forget to return their smart-card. An operator simply removes them from the system database and they are locked out.

Because Aperio is easily scalable and can expand any security system when needs change, investments in new wireless locking can be rolled out over time. Refurbishment at CROUS Montpellier is ongoing: up to 500 new Aperio cylinders are fitted every year.

Learn more:

campaigns.assaabloyopeningsolutions.eu/aperio

* according to commercial property experts Cushman & Wakefield; see www.cushmanwakefield.co.uk/en-gb/research-and-insight/2018/european-student-accommodation-guide-2018

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Aperio® protects staff and
students at a chain
of famous schools in Paris

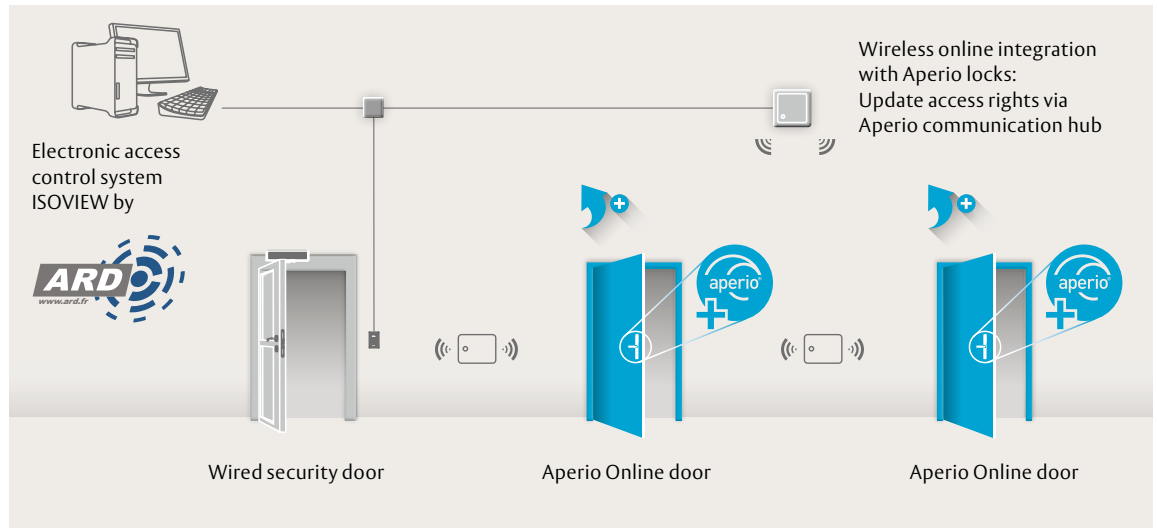
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Entrances, offices and classrooms secured by wireless access control

~ 500

Aperio battery-powered locks have been installed wirelessly



"This solution has the enormous advantage of adapting itself to approximately 90% of all configurations."

Carlos Trinidad,
Technical Manager

Project

Company: Fénelon Sainte-Marie Groupe Scolaire (www.fenelonsaintemarie.org)

Segment: Education

Location: Paris, France

ASSA ABLOY Partner: ARD

Access Control System: ISOVIEW

Aperio devices installed:

180 Escutcheons, 100 Half-cylinders

RFID technology: MIFARE

Challenge

The Fénelon Sainte-Marie group runs seven schools, at the primary, secondary and high-school level. For a long time the premises, all located on a single Paris street, were secured using a mechanical key system.

However, old-fashioned security is no longer enough. Staff and students require flexible, modern access control; visitors expect it. And of course, the reputational consequences of a failure to protect people or their confidential data can be severe. The Fénelon Sainte-Marie group sought a security upgrade.

Key requirements included:

- Replacing old-fashioned mechanical locks and keys with a flexible access management solution
- The ability to control access for different user groups, and around the clock every day of the year, because Fénelon Sainte-Marie also runs events on its premises outside of school hours
- A solution that fits with Fénelon Sainte-Marie's technology modernization program, alongside the latest classroom interactive whiteboards and a new recycling system

Solution

For 40 years security at Fénelon Sainte-Marie has been run on a mechanical master-key system. During that time keys got lost several times and have changed hands between teaching and admin staff – as well as scholars – multiple times.

No longer: Together with the ISOVIEW access control system from ARD, around 500 Aperio battery-powered locks have been installed wirelessly across building entrances, administration offices, and classrooms at the group's seven sites. Because they are wireless and powered by a standard lithium-ion battery, the new locks were cost-effective to install – and are inexpensive to run.

Students and staff now open doors with MIFARE smart cards that hold secure, flexible credentials. Staff and pupils can use the same card to control lift access, order digital printouts or book a computer.

Aperio has already proven its efficiency in preventing unauthorized intrusions, and protects staff and student confidentiality and allows facilities managers to exercise fine-grained control over access to all the group's sites.

With Aperio installed, access control at Fénelon Sainte-Marie can be extended to more doors, or additional sites, when needed.

Learn more:

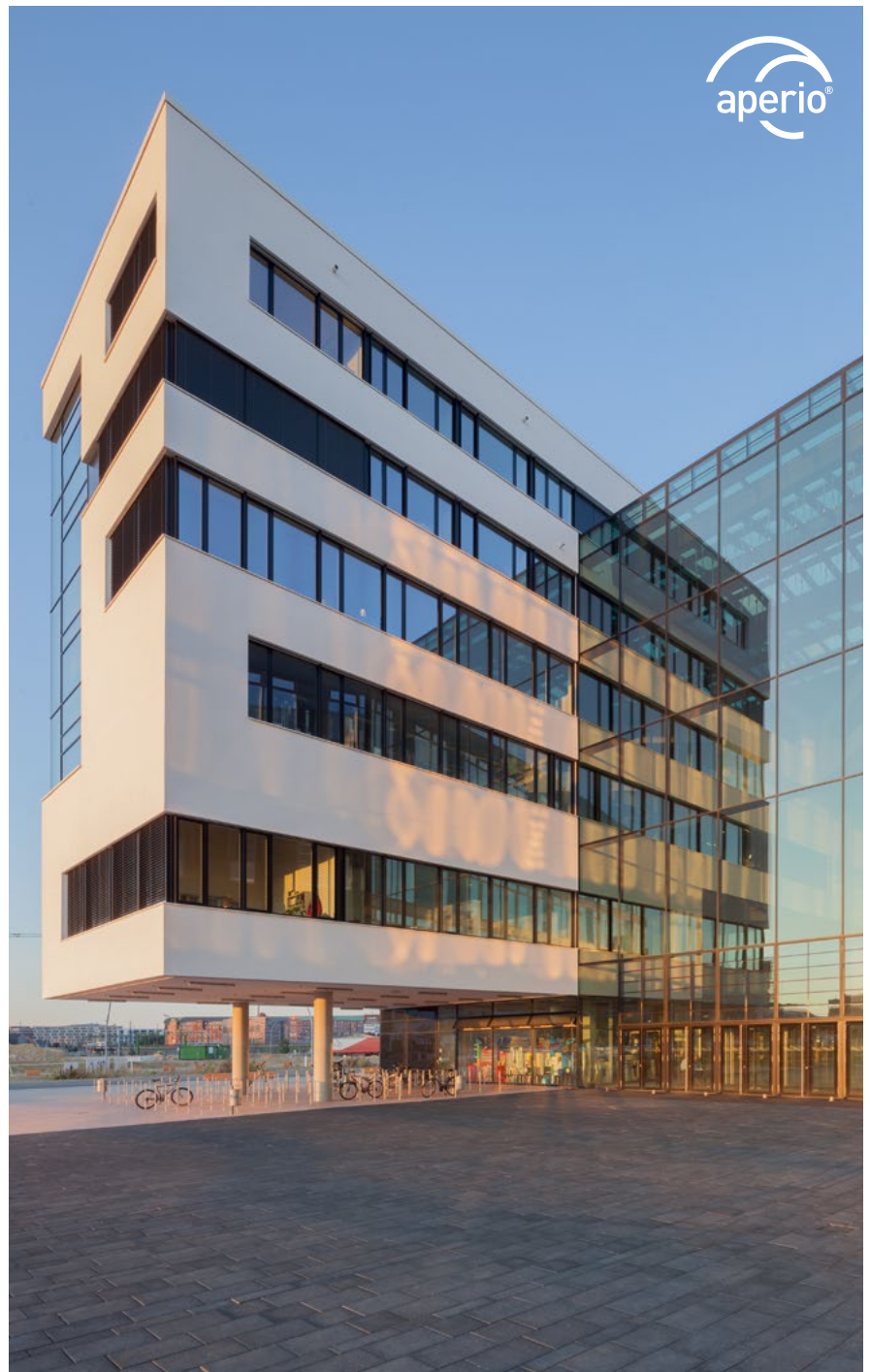
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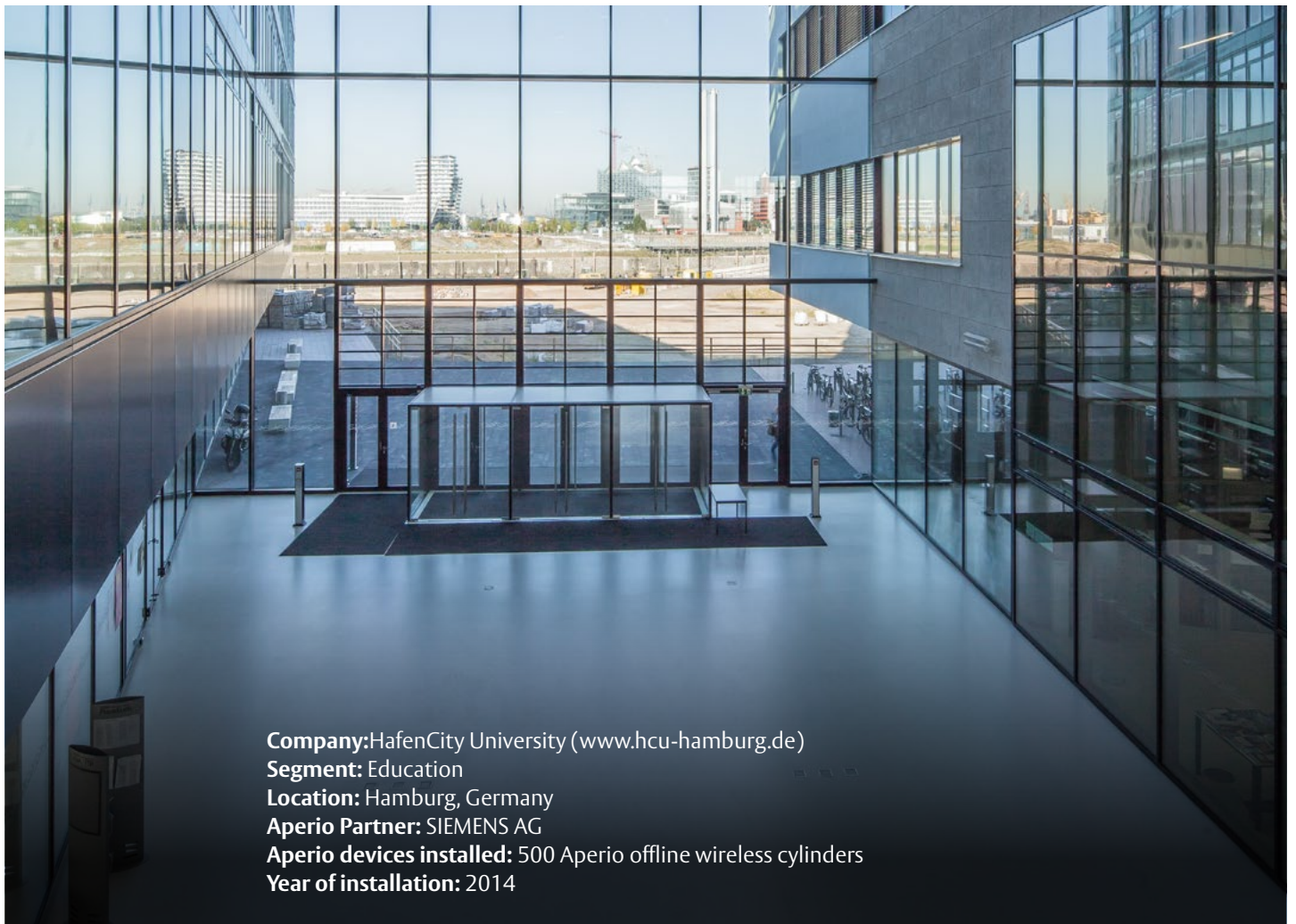
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With Aperio[®], staff and students enjoy safe passage at Hamburg's HafenCity University

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Company: HafenCity University (www.hcu-hamburg.de)
Segment: Education
Location: Hamburg, Germany
Aperio Partner: SIEMENS AG
Aperio devices installed: 500 Aperio offline wireless cylinders
Year of installation: 2014

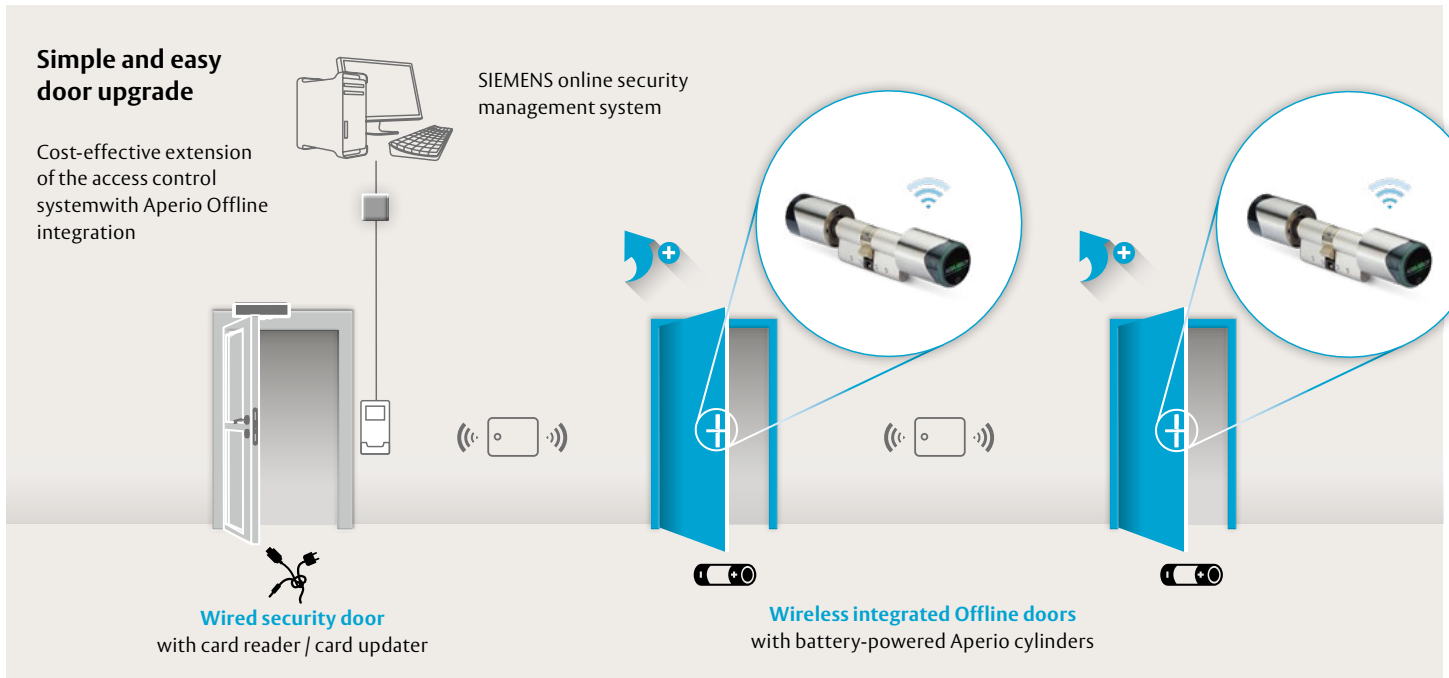
Challenge

Landmark architecture is partnered with class-leading access control from ASSA ABLOY

With its unique architecture, the structure comprising two building parts and the large glass foyer, this new complex highlights a distinct upswing for the eastern planning area of HafenCity

Around 2,400 students are enrolled at HafenCity University (HCU), on courses including architecture, civil engineering, geomatics, city planning and urban design. The new site is located on the southern bank of the Grasbrook, in one of the most important locations in Hamburg's new HafenCity development. Students and staff members from 5 locations previously dispersed across the city now use the new building. Key requirements for access control included:

- A modern, flexible system able to monitor access to HCU's varied spaces, which include a library and media centre, labs, seminar rooms, a café, offices, lecture theatres and public areas like foyers
- Seamless integration with the SIEMENS online security management system HCU had in place
- A system to maximize the transparency of site security while also minimizing unnecessary costs
- A convenient, secure alternative to mechanical keys



Solution

Farewell to physical key management Protect more doors with Aperio

[Watch the video case study on sourcesecurity.com](#)

sourceSecurity.com
making the world a safer place

When it came to protecting the new site, only a modern, flexible access control system would make the grade. The university turned to SIEMENS and ASSA ABLOY and to supply it. This striking waterfront site was fitted with around 500 battery-powered Aperio offline electronic cylinders connected to and controlled by the university's SIEMENS online access control system. Aperio locks are wireless, so it's cost-effective to add access control to many more doors than would be feasible or affordable with traditional security. The flexibility of Aperio means HCU's facility managers now have greater control. They can respond to organizational changes in real time, only needing to monitor one unified security system. And they no longer have to deal with the daily hassle of physical key management. Aperio also gives HCU the added flexibility to extend access control to new buildings or areas as the need arises. Additional doors can be fitted

with wireless Aperio offline cylinders, then seamlessly and cost-efficiently integrated with existing wired and wireless locks at the site. Site security at HafenCity University is future-proofed with Aperio wireless access control.



Learn more:

campaigns.assaabloyopeningsolutions.eu/aperio-university

Find out more about Aperio Wireless Access Control

We hope you find this Aperio case study useful. If you would like more information about Aperio, click the link below and we will put you in touch with one of our local experts.

Your consultant will help you:

- Boost security and make your workflows more efficient
- Reduce capital expenditure and operational costs
- Discover new return on investment opportunities

[Put me in touch with an expert](#)



The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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Aperio® wireless locks
extend Axis access control
to help an Italian innovator
manage their changing
environment

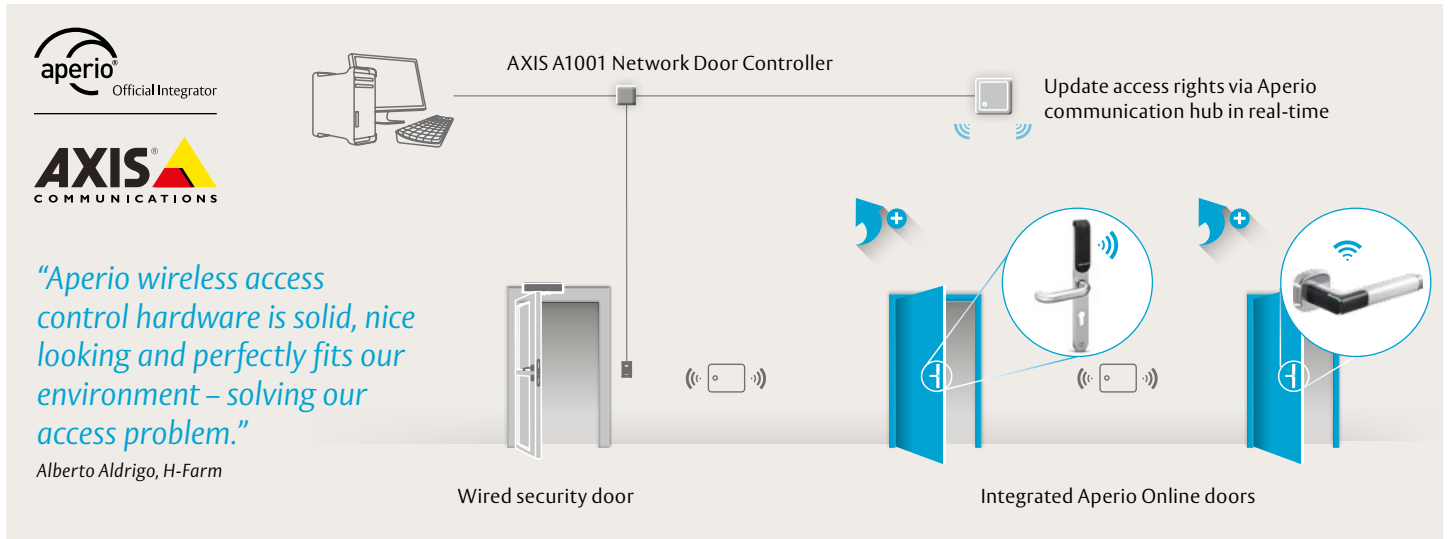
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Aperio open architecture made integration with the AXIS A1001 Network Door Controller straightforward

Nº 1

H-Farm was the world's first modern start-up incubator



Project

Company: H-Farm (www.h-farm.com)

Segment: Office/corporate

Location: Treviso & Milan, Italy

Access control system:

AXIS A1001 Network Door Controller

Aperio devices installed: to date:

40 Aperio Online H100 wireless door handles,

6 Aperio Online L100 wireless locks,

4 Aperio Online E100 wireless escutcheons

Year of installation: 2018

Challenge

H-Farm S.p.A. is one of Italy's most innovative companies, with a strong track record supporting entrepreneurship and creativity in the start-up sector. They focus on digital transformation, skills development, and new business models in education, training and beyond.

Key requirements for a new access control system at H-Farm included:

- A solution to streamline access management for a large number of users at a growing portfolio of sites
- Devices to extend an Axis system without adding complexity
- A wireless system, to avoid running cables to all access points
- The ability to manage a rapid turnover of site users, because H-Farm also organises or hosts almost 300 events per year
- Devices to blend with the contemporary architecture of the €101m H-Campus development
- A system easy to retrofit, so day-to-day work at busy offices would not be disrupted by an intrusive installation process

Solution

H-Farm selected a combination of Aperio handles, security locks and escutcheons to upgrade its Axis access control system. Aperio battery-powered door devices are all wireless, so no cabling runs to H-Farm's doors. Because Aperio offers wide range of devices, H-Farm can choose the right wireless door lock for every application: the L100 lock protects doors with high security demands; robust H100 handles suit interior doors with high traffic. Aperio is easy to install and enables H-Farm to quickly bring new buildings into the same access system as they expand to new locations.

The open architecture underpinning Aperio devices' design enabled easy online integration with their existing Axis system via PRYSM AppControl. Remote operation from a single, central software interface is seamless, which makes administering the system easy.

"The PRYSM AppControl software utilizes the integration Axis completed with Aperio," says Piergianni Marana, Key Account Manager at Axis. *"And the AXIS A1001 door controller is based on open hardware which makes installing and configuring Aperio wireless lock easy and seamless."*

One system makes it simple to issue and revoke access rights for any Aperio door or user — essential for this dispersed business where staff and visitors are in constant flux.

Learn more:

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Aperio® wireless
technology secures
doors at much lower
cost than wired locks

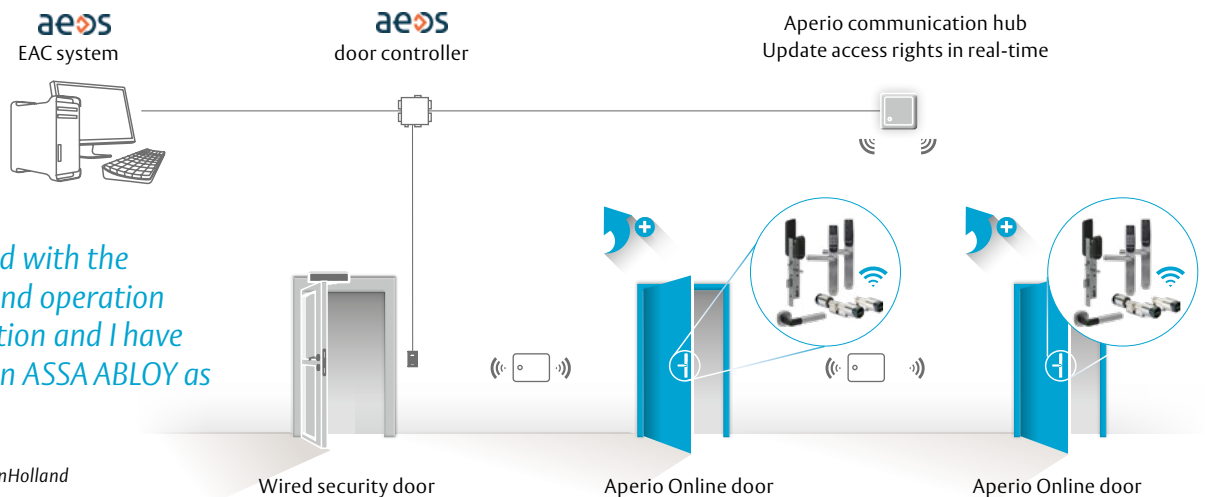
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Aperio is ready to integrate with InHolland's new smart building

23%

estimated CAGR of the smart buildings market (2020–25)*



"I am very satisfied with the implementation and operation of the Aperio solution and I have every confidence in ASSA ABLOY as a manufacturer."

Frans Bruggeman,
Facility Services Consultant, InHolland



Aperio integrates smoothly with AEOS, the access control system by Nedap

Project

Customer: InHolland University of Applied Sciences (www.inholland.nl)

Segment: Education

Location: 7 sites in Randstad region, The Netherlands

Access control system: AEOS by Nedap (www.nedapsecurity.com)

Aperio devices installed: approx. 500 Aperio Escutcheons and 50 Aperio Locks

RFID technology: DESFire®

Year of installation: 2013

Challenge

With multiple sites in the Randstad region, the InHolland University of Applied Sciences is one of the largest providers of higher professional education in The Netherlands. A rolling (and ongoing) project began in 2013 to extend access control at all InHolland locations.

As in any large educational setting, the tension between remaining open and accessible on the one hand — and securing people, equipment and data on the other — is a critical consideration. Key requirements for a new system included:

- Tested and trusted protection for the university's most important sites and rooms, including offices, technical areas and exam storage spaces
- Inherent flexibility, making it easy to adjust spaces protection status, because this is regularly reconfigured
- Affordability, a criterion which ruled out deploying wired electronic locks to protect these sites
- The ability to roll out any solution over time, as InHolland's needs, budgets and priorities evolve

Solution

More than 500 Aperio wireless door locking devices have now been deployed at 7 separate InHolland campus sites spread around The Netherlands. Because Aperio devices are wireless, they were installed and initiated quickly and affordably, without disruption to InHolland buildings or the students' working day. The ongoing cost of running these battery-operated wireless locks is also much lower than for equivalent wired electronic locks, which require an 'always on' connection to mains electricity to maintain secure status.

Fitting Aperio wireless escutcheons and locks to critical doors ensures staff, students, visitors and confidential information are safe without impacting the university's accessibility. Authorised site users open relevant secure doors conveniently with a programmable RFID credential. Based on their experience to date with Aperio, InHolland are already planning for the future. A new university in Amsterdam will become a smart building and will require access control able to integrate with smart building systems. Aperio is built on an open platform, designed for interoperability, so this is a natural fit. InHolland will enter pilot stage for their new smart building soon.

Learn more:

campaigns.assaabloyopeningsolutions.eu/aperio

* see www.researchandmarkets.com/reports/4846032/smart-building-market-growth-trends-and

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Campus renovation incorporates an upgrade to Aperio® wireless access control

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“Since we installed Aperio, we have not had a break-in.”

Cédric Lopez,
Maintenance Manager at Luminy



Challenge

An easy retrofit solution for real-time control

Online integration of new keyless door locks will help campus security staff respond rapidly

Part of Aix-Marseille University — the largest higher-education institute in France — the Luminy faculty is based at a campus on the outskirts of Marseille. Around 7,000 people pass through its suburban site every day.

As part of a major project to modernize two buildings, university managers sought a retrofit-ready access control solution to upgrade campus security.

Key requirements for the buildings' new access system included:

- Devices that could be integrated online, to maintain a real-time overview of the site and enable proactive incident response
- System which helps administrators issue and easily amend tailored access permissions for all staff and students
- Security to deter theft, which was becoming a problem in teaching areas — especially those with computers
- A solution which can deal with lost keys more easily and less laboriously than traditional mechanical locking



Solution

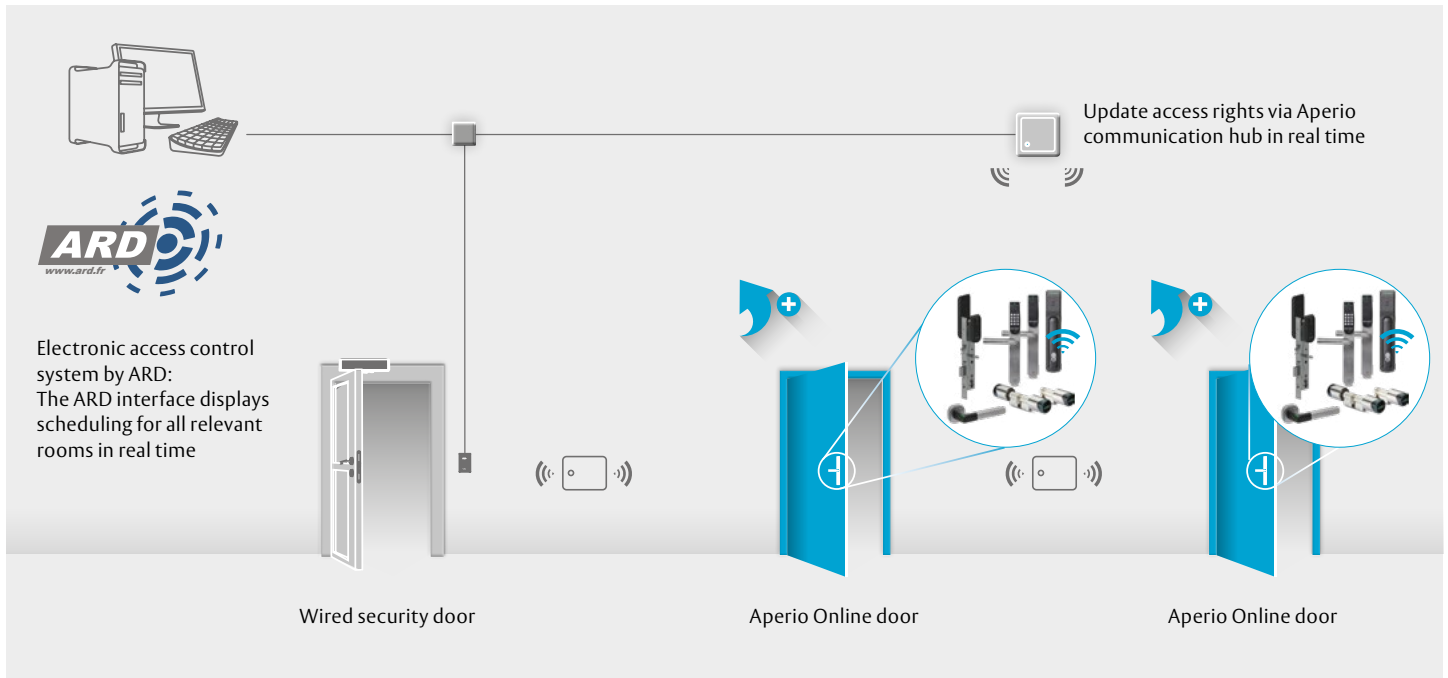
Aperio now provides real-time access control and monitoring

3,500

higher education
institutions in France

see:

www.campusfrance.org



"Teachers are able to reserve their rooms. Students no longer have to wait for the teacher's arrival, because they have access to the right rooms in defined time slots."

Cédric Lopez, Maintenance Manager at Luminy

The Luminy campus is now equipped with Aperio cylinders and handles with built-in RFID readers. Locks are integrated seamlessly, wirelessly and online with the site's ARD access control system. Aperio-enabled doors are easily programmed and reprogrammed to accommodate the changing access needs of staff and students. Luminy's security team now has complete control over access permissions and campus traffic. The system is flexible enough to enable easy room management and scheduling for everyone. For the facilities team, the ARD interface displays scheduling for all relevant rooms in real time. Aperio is also trusted to protect the most sensitive areas of the campus. *"We have critical premises, including for the storage of chemicals, some with radioactive properties,"* explains Cédric Lopez, Luminy's Maintenance Manager. Site managers have already scheduled further real-time access control upgrades built around award-winning Aperio wireless technology.



Find out more about Aperio Wireless Access Control

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Aperio® frees staff time to focus on security, not key management

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Object: Lund University Faculty of Law (www.law.lu.se)
Segment: Education
Location: Lund, Sweden
Aperio Partner: Pacom Unison (www.pacom.com)
Aperio devices installed: 140 Aperio E100 escutcheons and 10 Aperio C100 cylinders
RFID technology: MIFARE®
Year of installation: 2015

Challenge

Fine-grained access control for 50,000 cardholders, with ASSA ABLOY and Pacom



"With the Pacom system combined with wireless Aperio locks we were able to quickly and easily install a complete online system."

Magnus Svensson, Infrastructure Manager, Lund U

Founded in 1666, Lund University is ranked among the top 100 universities in the world. It is also one of Scandinavia's largest: the university has a single smart access card for its 42,000 students and around 7,500 staff.

The university's Faculty of Law teaches both Swedish and international students, and sought a replacement for its 20-year-old access control system.

Key requirements included:

- A system that enabled security managers to update Law Faculty access rights, but did not require thousands of users to return smart cards for reprogramming
- A solution that allowed security managers to block lost cards centrally, without the need for technicians to visit every door
- A system that did not require staff having to reactivate their cards via update readers
- A way to reduce time spent on system administration, so security staff can focus on service

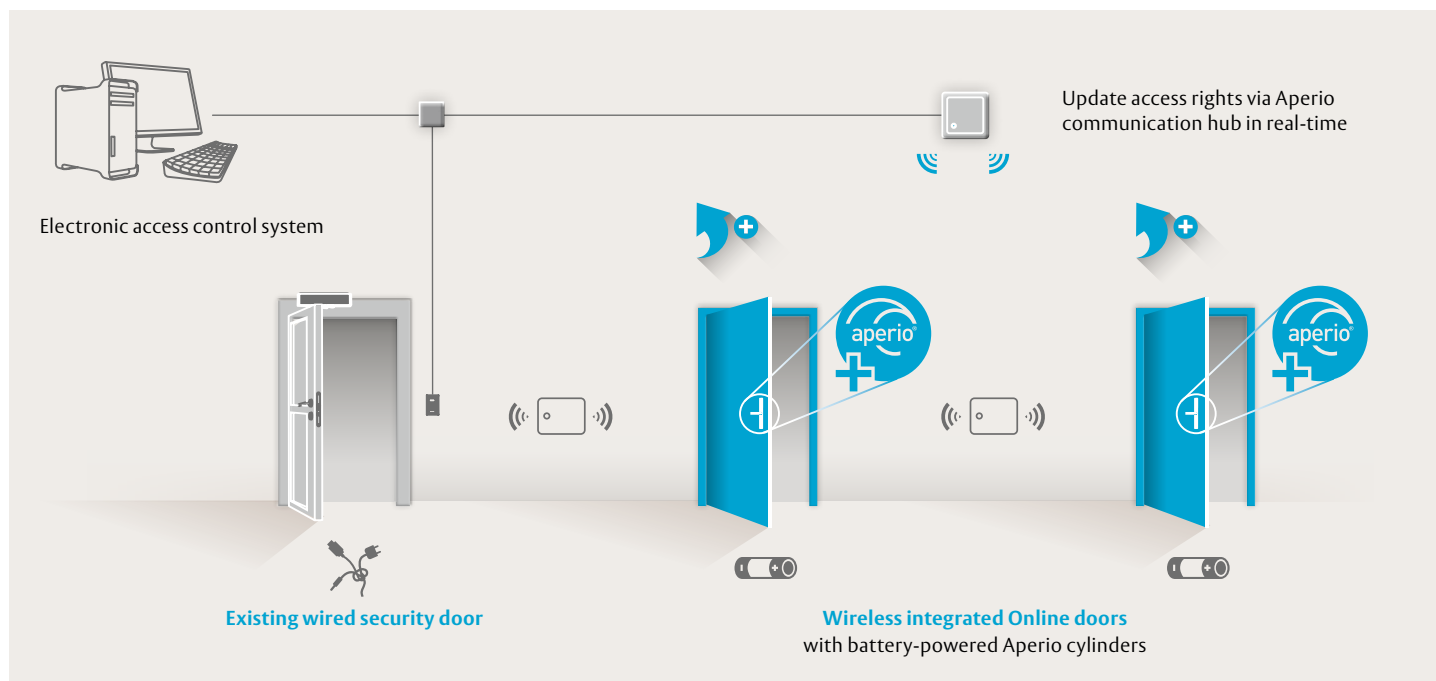
Simple and easy door upgrade with Aperio Online integration:

Adds real-time access control to university's doors. With wireless battery powered cylinders and escutcheons.



2 min

it takes to install
an Aperio wireless
cylinder
See the video



Solution

Integration is the key: A single system, multiple functions



Aperio is built for integration from the ground up, meaning devices work alongside new or already-installed wired doors and other security functions without any problems

The key ingredient is seamless integration between Aperio locks and Pacom's Unison security management platform, which was already installed at Lund. Aperio battery-powered escutcheons and cylinders with integrated card readers are fully integrated with Unison. All locks can be opened with existing student and staff cards.

"Installation was problem-free. Aperio has proven to be very cost effective and is really appreciated by staff and students," says Magnus Svensson, Infrastructure Manager at Lund University. With Aperio, security managers can block lost cards centrally, without the need for technicians to visit the door. It is easy to de-authorise staff and students who leave the university. An operator simply removes them from the user database in

the Pacom Unison system, and their smart card no longer opens doors. Everything is managed from one simple, streamlined user interface. There's no changing locks and no longer any security threat from lost or copied physical keys – which saves the university money, too.

The result? Security staff who spend more time on security, and less on key management and other labour-intensive tasks.

"We have been able to reduce the time we spend on user management and system administration radically," adds Magnus Svensson.

Learn more:

campaigns.assaabloyopeningsolutions.eu/aperio-university

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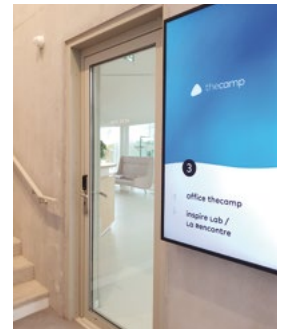
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Tailor-made and
real-time:
Aperio® access control
secures a business
education campus

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Company: The Camp (www.thecamp.fr)
Segment: Education/corporate
Location: Aix-en-Provence, France
Access control system/integrator:
 TIL Technologies (www.til-technologies.fr)
Aperio devices installed:
 221 Aperio Escutcheons, 42 Aperio Cylinders
 and 10 Aperio Handles
RFID technology: MIFARE® DESFire®

Challenge

Protecting a diverse site with offices, event spaces and accommodation blocks

"Many credentials get lost and Aperio enables us to handle this efficiently. Aperio is a real comfort of use, and we handle the easy maintenance for ourselves,"

Benjamin Ciotto, Head of Information Technology at The Camp



The Camp offers wide-ranging business education and innovation support, including training courses, start-up accelerator programs, creative residencies and corporate events. These address the most pressing issues facing forward-looking businesses, including blockchain, smart cities and sustainable energy.

Site administrators sought an equally future-oriented access control system to protect a diverse site with offices, event spaces, kitchens and two accommodation blocks. Key requirements for a new system included:

- Trusted, flexible locking devices for varied secure openings, including interior and exterior doors and 170 accommodation units

- Keeping The Camp's self-contained site open around the clock, all week, but also secure for staff and visitors
- Online access system integration to put security managers in full control of the premises in real time
- A product ecosystem built with sustainability concerns in mind, including life-cycle Environmental Product Declarations and energy efficiency
- An aesthetically pleasing, wireless solution which would not compromise The Camp's interior or exterior design

Solution

Aperio brings complete control with minimal maintenance

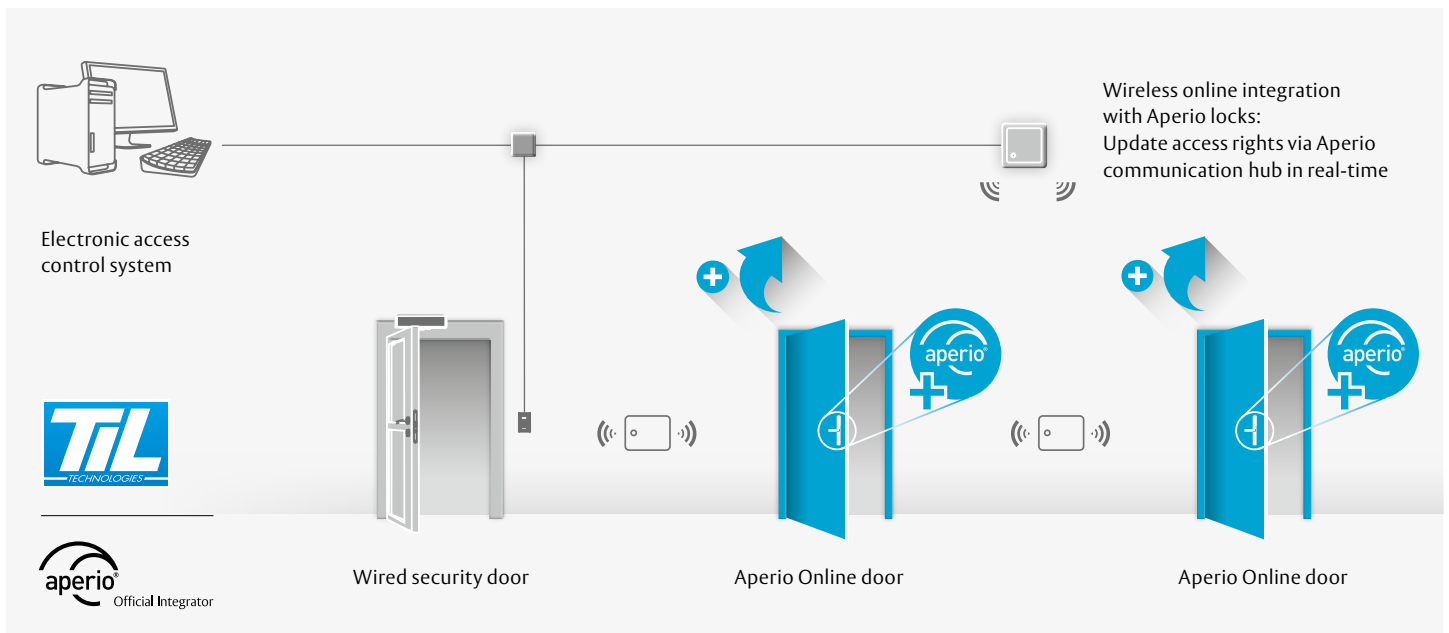
273

Access controlled
Aperio doors at
The Camp's site



"We can also program access to defined time slots, which is essential when we welcome 200 people for an all-day meeting, for example."

Benjamin Ciotto, Head of Information Technology at The Camp



The Camp chose Aperio wireless technology integrated with a TIL Technologies access control system.

Aperio escutcheons, cylinders and electronic handles are integrated online with the central system and controlled from the same interface. It effortlessly handles daily traffic of around 250 people, with up to 2,000 external visitors when The Camp stages an event. Meeting rooms, server rooms, living spaces and kitchens are secured with Aperio wireless locking devices. Security staff at The Camp ensure only authorized users access offices with expensive video projectors, screens and more. The integration enables real-time management of the site, with specific profiles created to segment key individuals who need fine-grained access to specific areas and to enable visitor access in an instant.

"Online mode is very important because [access] rights are very often updated for the constantly shifting campus population," explains Benjamin Ciotto, Head of Information Technology at The Camp.



Learn more:

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Aperio® brings
security and energy
efficiency to
Aberdeen student
accommodation

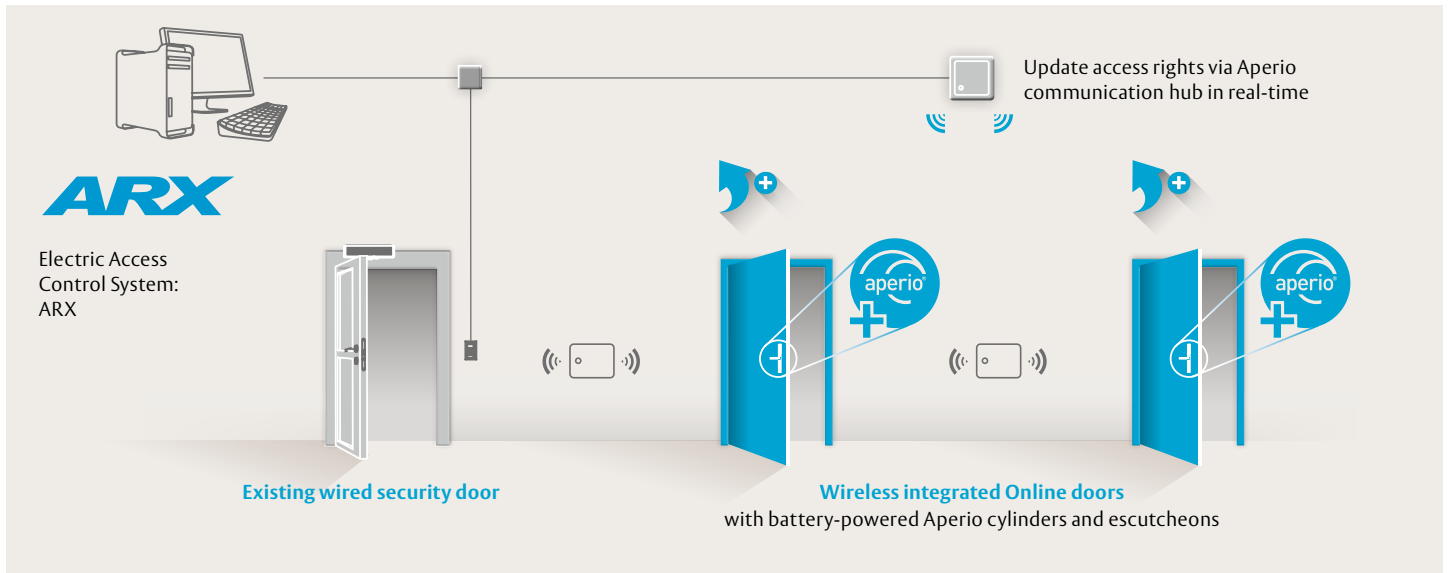
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Aperio upgrades security, cuts running costs and reduces emissions

740

Aperio secured doors installed at Aberdeens student accommodation



"Aperio can be easily specified to work with budgets and phased work programmes, and yet always results in a high-quality, stylish security solution."

Damian Marsh,
Managing Director
at ASSA ABLOY Access Control

Project

University: University of Aberdeen
(www.abdn.ac.uk)

Segment: Education

Location: Aberdeen, Scotland, UK

Access Control System: ARX

Aperio System Integrator: Aspex

Aperio devices installed:

640 × C100 cylinder, 100 × L100 locks

RFID technology: MIFARE

Year of installation: 2014

Challenge

The University of Aberdeen is one of Scotland's oldest and most prestigious higher education institutions. Founded in 1495, it is now known for its first-class research and teaching facilities in subjects including medicine, marine sciences and nutrition.

As part of a £10 million refurbishment programme, the university sought a modern security solution for its refit of accommodation blocks at the Hillhead Student Village, a 20-minute walk from the main campus. Key requirements included:

- A secure locking system built to work with the unique demands of campus accommodation
- A stylish design that would fit with the university's major refurbishment
- An affordable solution that would operate within tight budget constraints, yet without compromising Aberdeen University's duty of care towards students, staff and visitors
- The ability to partner with a trusted local installer who could work with the university's Estates Design team to assess the precise requirements

Solution

Two accommodation blocks at the Hillhead Student Village, each composed of multiple, 6-bedroom self-catering apartments, were equipped with Aperio wireless online cylinders and security locks as part of the access control system. To date a total of 740 Aperio battery-powered units have been fitted at the site. Students and staff at the Student Village now open apartment entrance and plant rooms with standard RFID smartcards equipped with MIFARE technology. More doors or blocks are easily added, if required.

With Aperio online components, estates management teams have the ability to monitor the status of all site locks in real time.

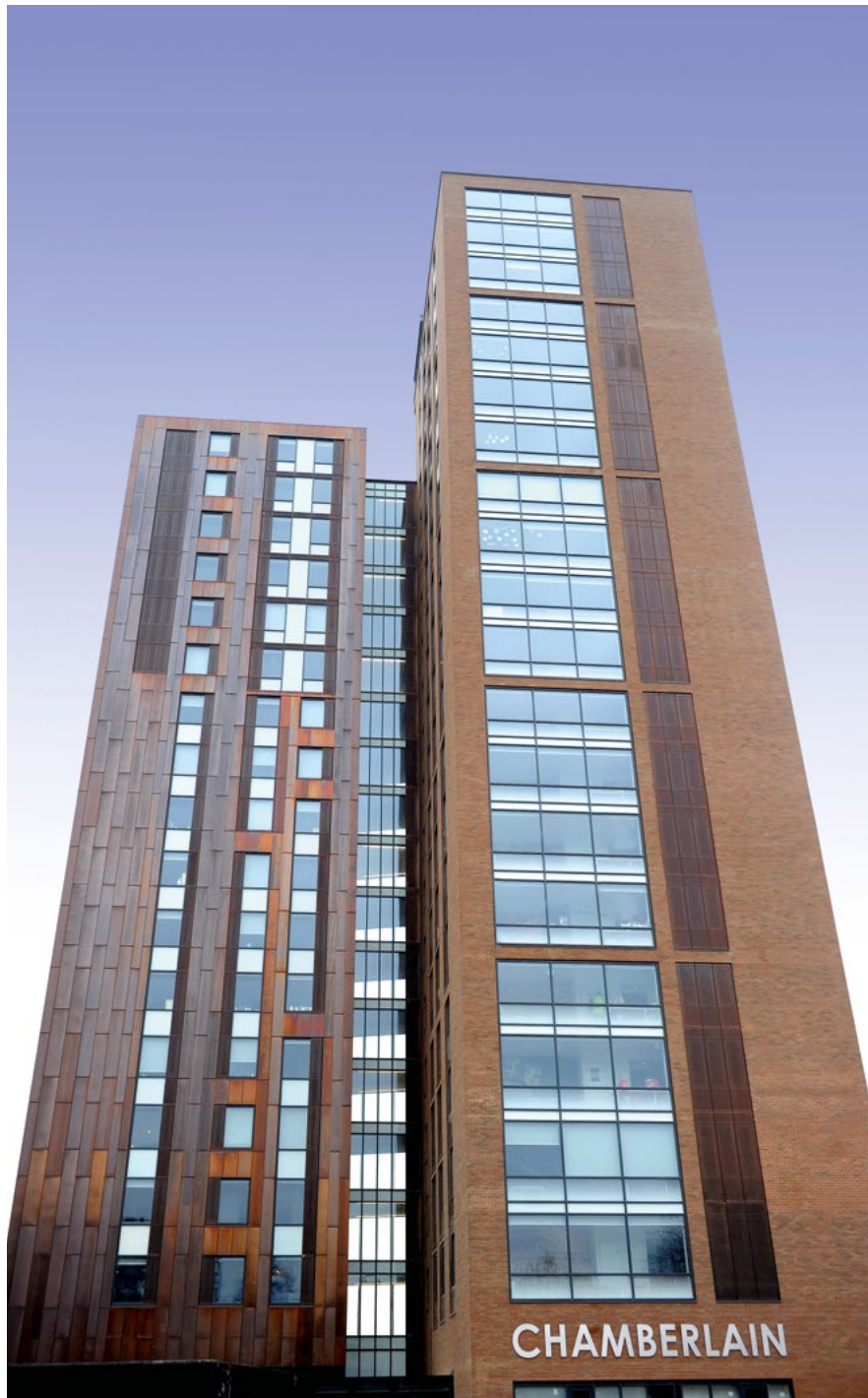
ASSA ABLOY UK's Access Control Managing Director, Damian Marsh, explains: *"Aperio is a popular choice for universities. It offers the capability to secure, monitor and record activity using just one system, as it instantly integrates with third party access control systems."*

Because Aperio cylinders and locks are battery-powered and wireless, they are inexpensive to install and cost-effective to run. Unlike standard wired locks, which require an always-on mains connection, Aperio locks only 'wake up' when presented with a credential. As a result, they consume much less energy – which saves the university money and cuts emissions.

Learn more:

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Aperio® brings
real-time monitoring
to student
accommodation

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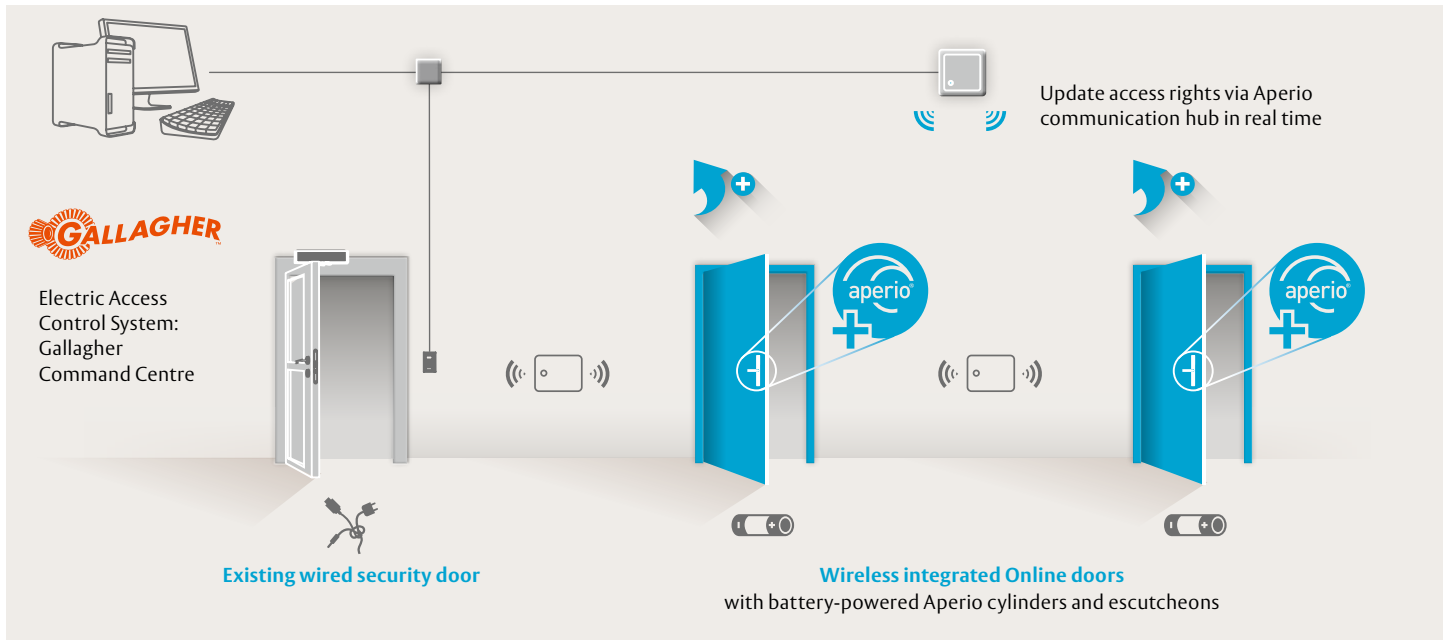
Seamless integration with Gallagher Command Centre

1,770

Aperio secured doors installed across two accommodation sites

"Aperio allows the university to ensure that all students arrive safely to their rooms during arrivals weekend."

Jason Boyce, Sales Manager at Gallagher



Aperio is built for integration from the ground up: devices work alongside new or already-installed wired doors and other security functions without any problems



Project

University: University of Birmingham (www.birmingham.ac.uk)

Segment: Education

Location: Birmingham, UK

Access Control System: Gallagher Command Centre (www.gallagher.com)

Aperio devices installed:

700 Online cylinders & 200 Online escutcheons at Chamberlain; 700 Online cylinders & 170 Online escutcheons at Mason

Year of installation: 2013-2016

Challenge

Part of Edgbaston's Vale Village, Chamberlain is the University of Birmingham's newest student accommodation block. It comprises a 21-storey tower and 3 low-rise blocks, housing over 700 students in a mix of en-suite rooms and self-contained studio apartments. Also at Vale Village, Mason has over 800 en-suite self-catering rooms and apartments.

The university sought a modern access control system to complement its high-spec accommodation.

Key requirements included:

- An access control to meet the needs of student requirements
- The ability to integrate locks at Vale Village with a pre-existing, campus-wide security system
- Cost-effectiveness in both installation and operation

- A system that could be extended at a later date when the university's needs change.

Solution

Student doors at Chamberlain and Mason, with a mix of Euro and Scandinavian profiles, have been fitted with Aperio wireless access control. Aperio door locks are fully integrated with Gallagher Command Centre software. Because Aperio components are built using open standards, integration with Gallagher's security system is seamless, and provides security staff with a single point of control over the whole site. Installation was wire-free, and locks are powered by standard lithium-ion batteries, which guarantees the university a low-cost security solution and removes the need for mechanical keys.

"We were pleased to be able to provide the University of Birmingham with a solution that integrates tightly with their existing campus-wide system," says Jason Boyce, Sales Manager at Gallagher. *"Unlike other systems, Aperio provides audit trails online, allowing for the real-time monitoring of doors."*

"Our extensive experience within the education sector has enabled us to provide Birmingham with a seamless integrated solution," says David Hodgkiss, National Sales Manager at ASSA ABLOY Access Control. *"The university already has plans to roll Aperio out to other residences."*

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University of East Anglia cuts emissions and boosts security with Aperio®

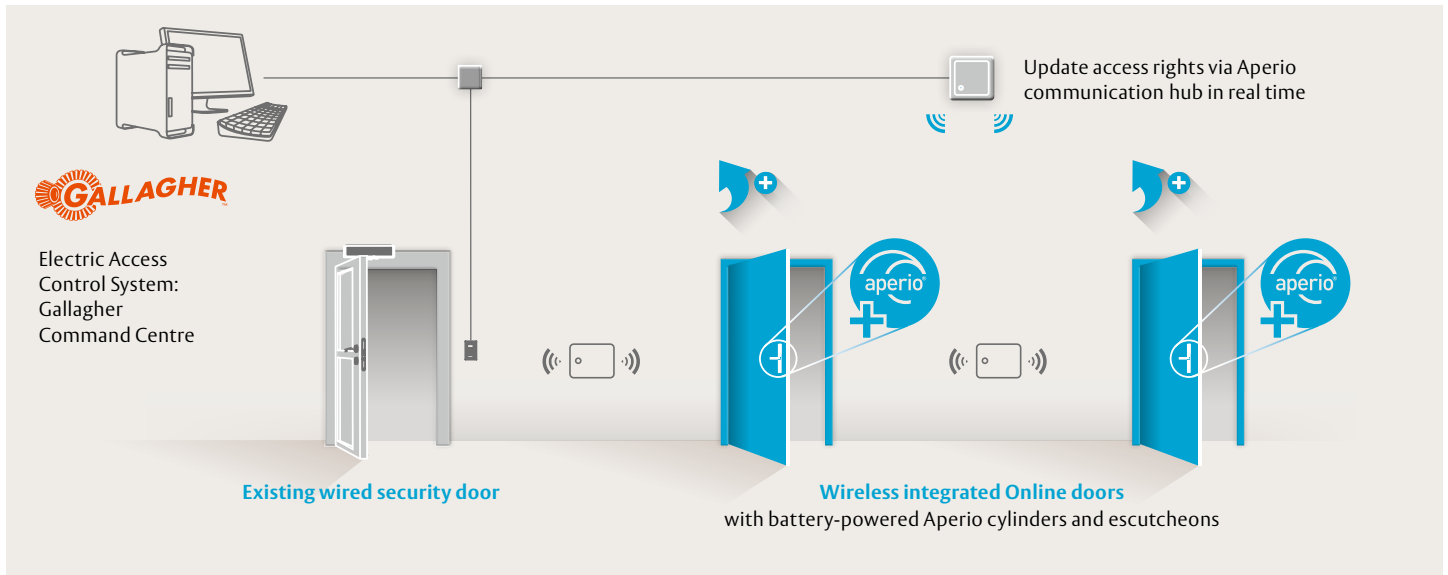
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Aperio integration extends Gallagher Command Centre with online wireless locks

200

Aperio secured
doors installed at
East Anglia



"ASSA ABLOY have extensive experience within the education sector. We are pleased to be piloting the system in our student accommodation and hope to roll out Aperio across all residential estate."

Christine Beveridge,
head of campus services at
University of East Anglia

Project

University: University of East Anglia
(www.uea.ac.uk)

Segment: Education

Location: Norwich, England

Aperio system integrator:
Gallagher (security.gallagher.com)

Access Control System:
Gallagher Command Centre

Aperio devices installed:
200 x E100 Online escutcheons

RFID Technology: MIFARE™

Year of installation: 2015

Challenge

Established in 1963, the University of East Anglia (UEA) is one of England's leading public research and teaching universities. The university occupies a large campus and sought a locking system for its newest on-site residence, Crome Court. The accommodation has 231 en suite rooms rented to university postgraduates, separated into flats for between 8 and 13 people.

Crome Court has been specifically designed to minimise environmental impact, including CO₂ emissions. Key requirements included:

- Secure electronic locks built to serve the unique demands of student accommodation
- Stylish component design that also fits the environmentally advanced profile of the new accommodation
- An affordable solution ensuring the project comes in within budget, without compromises with the safety of staff, students and campus visitors

- A solution provider who could offer on-site training to assist with lock installation

Solution

UEA has used Gallagher access control for a decade, and turned to Aperio wireless locks to extend their platform to Crome Court.

"We decided to offer Aperio to UEA because of its outstanding reputation," explains Jason Boyce, sales manager at Gallagher.

Crome Court's doors are fitted with Aperio E100 Online escutcheons, with installation training provided on campus by ASSA ABLOY. Students open doors with smart cards instead of keys.

Aperio wireless locks are battery powered, and so use much less energy than wired magnetic security locks. They only 'wake up' when a credential is presented to the reader.

UEA staff control doors from a web-based interface or mobile phone. *"Unlike other systems, Aperio provides audit trails online, allowing for real-time monitoring,"* says Jason Boyce. *"In addition, the fact that Gallagher and Aperio devices can operate with the same data on the card has allowed for tighter integration, which saves the customer money."*

Flexibility is another asset: additional doors can be integrated into UEA's Gallagher system whenever needed. *"We hope to roll out Aperio across all residential estate,"* says Christine Beveridge, UEA's head of campus services.

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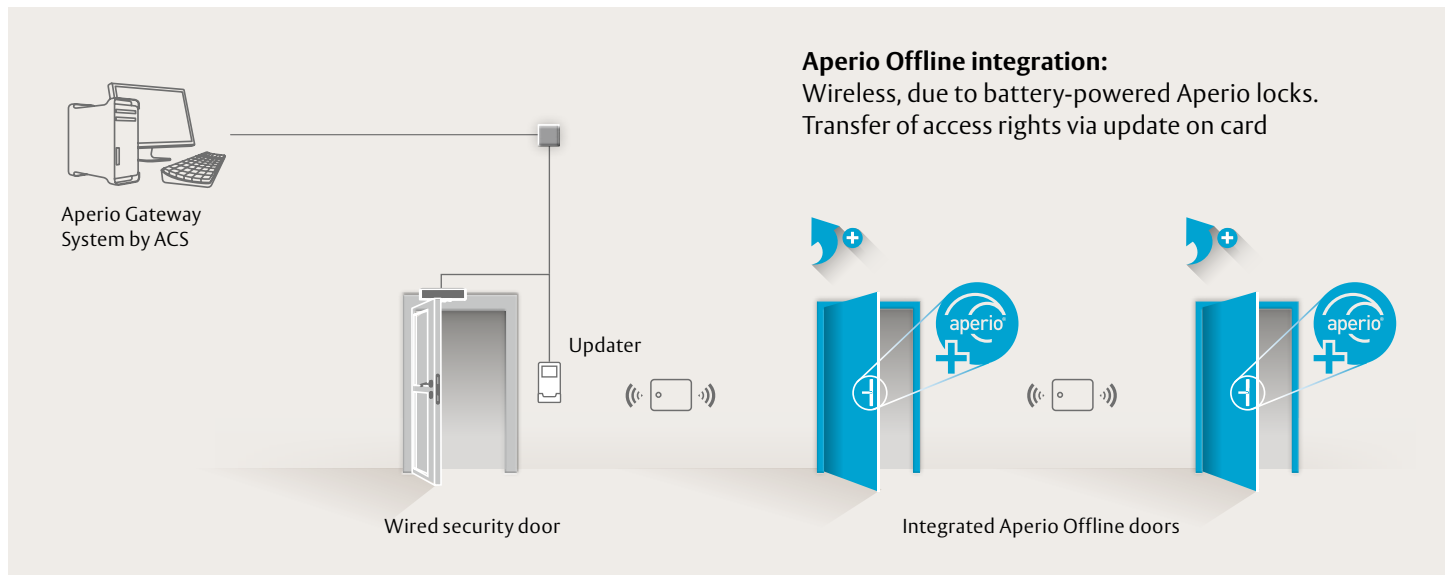
Aperio® achieves a first in security at The University of Liverpool

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Greater control at The University of Liverpool with wireless Aperio locks

~ 1.000
Aperio battery-powered
locks have been
installed wirelessly



"Aperio smart technology was chosen to enable wireless links to the existing access control system, without any need to modify the doors."

Darren Clark, Senior Projects Manager at The University of Liverpool

Project

University: The University of Liverpool

Segment: Education

Plant location city: Liverpool

Aperio Partner: HE Simm, Ocon Construction and ACS Ltd.

Aperio Devices: ca. 1.000 Offline Escutcheons with Mifare DESFire

Challenge

Vine Court, a BREEAM excellent project on Chatham Street, forms part of the University of Liverpool's extensive sustainable accommodation programme.

Comprising shops, a 250-seat restaurant and 749 en-suite bedrooms, the Vine Court residences benefit from rainwater harvesting, solar thermal water heating and low energy lighting and heating systems.

As a new build establishment, high quality security incorporating smart technology was specified to enable a wire-free deployment, without the need to modify the doors.

Solution

Aperio appealed because of its innovative design and ability to work as an integral part of the wider AGS security solution – which can encompass hard wired, wireless and fire free access control. In phase one, around 1.000 Aperio Escutcheons with Mifare RFID technology have been installed as it looks like any other door handle and hence does not conflict with the aesthetics of the brand new building.

The Aperio offline locking solution allows free egress via the lock handle when required and the use of the clients preferred Mifare credentials. It was an important additional requirement that the system could be migrated to DESFire at a later time – without changing door hardware. The University of Liverpool can also migrate to Aperio wireless online should they need to take advantage of real time audits and instant updates of access restrictions through the existing access control system.

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Aperio® is the
educated choice at
Surrey University

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For this leading science university, Aperio's flexibility is key

Aperio
protects

18,000

students and
3,000 staff



"The installation of Aperio has proven hugely popular in the reception buildings and we are already extending their use to student accommodation and looking at ways to install the solution across the main University."

Alan Donnachie, Deputy Director of Estates and Facilities at The University of Surrey

Aperio is built for integration from the ground up: devices work alongside new or already-installed wired doors and other security functions without any problems



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Project

University: University of Surrey

Segment: Education

Plant location city: Guildford, UK

Aperio Partner: WOT Security

Access Control System: ARX

Aperio devices: Online access control units

Challenge

To upgrade the access control system at the University of Surrey to the latest open-platform ARX solution with wireless Aperio lock technology from ASSA ABLOY.

To complete the installation with minimal disruption to the university's first-class learning environment.

Learn more:

campaigns.assaabloyopeningsolutions.eu/aperio-university

Solution

Starting with the new Reception building at the Manor Park Campus, ASSA ABLOY Access Control worked with WOT Security to upgrade the ARX access control system. The upgrade added over 40 Aperio online access control units and ARX controllers, allowing the university to secure, monitor, and record access at the Manor Park site. The online connection to Aperio doors allows university facilities managers to conduct real-time audits and update access permissions instantly. Aperio online access control units are installed wirelessly, with no need for complex and obtrusive electric cabling. Cost effective and flexible, Aperio integrates seamlessly with the ARX access control system. The installation caused minimal disruption to research and learning at the campus. Aperio has proven so successful at Manor Park that the University of Surrey has commissioned further installations in new-build student accommodation. Over 260 new accommodation units for students were specified, again with WOT Security as installation partner.



Entertainment and Sports

Aperio for sports and spectator arenas



Install fast. Enhance control.

"The system provides noticeable relief from the time-consuming management of keys. It also provides added security in the residential area, fitness centre and swimming pool areas."

Daniel Strigel, Director of the Olympiastützpunkt Metropolregion Rhein-Neckar

The security credentials and flexibility of Aperio attract customers across the sector, from events arenas to elite sports training facilities. Aperio locks are a cost-effective way to upgrade security in premises where many doors are secured with mechanical keys or energy-hungry magnetic locks. Because Aperio is wireless, installation work is quick and budget friendly.

Mechanical key management in large premises involves a huge workload for security staff. With Aperio, it is easy for administrators to update access rights, cancel lost keys, and issue replacement keys securely. If needed, Aperio can accommodate both online and offline updating in the same installation. It's also straightforward to extend an installation on demand – to new doors, or to a different site altogether.



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protects Ahoy, the
leading event complex
in the Netherlands

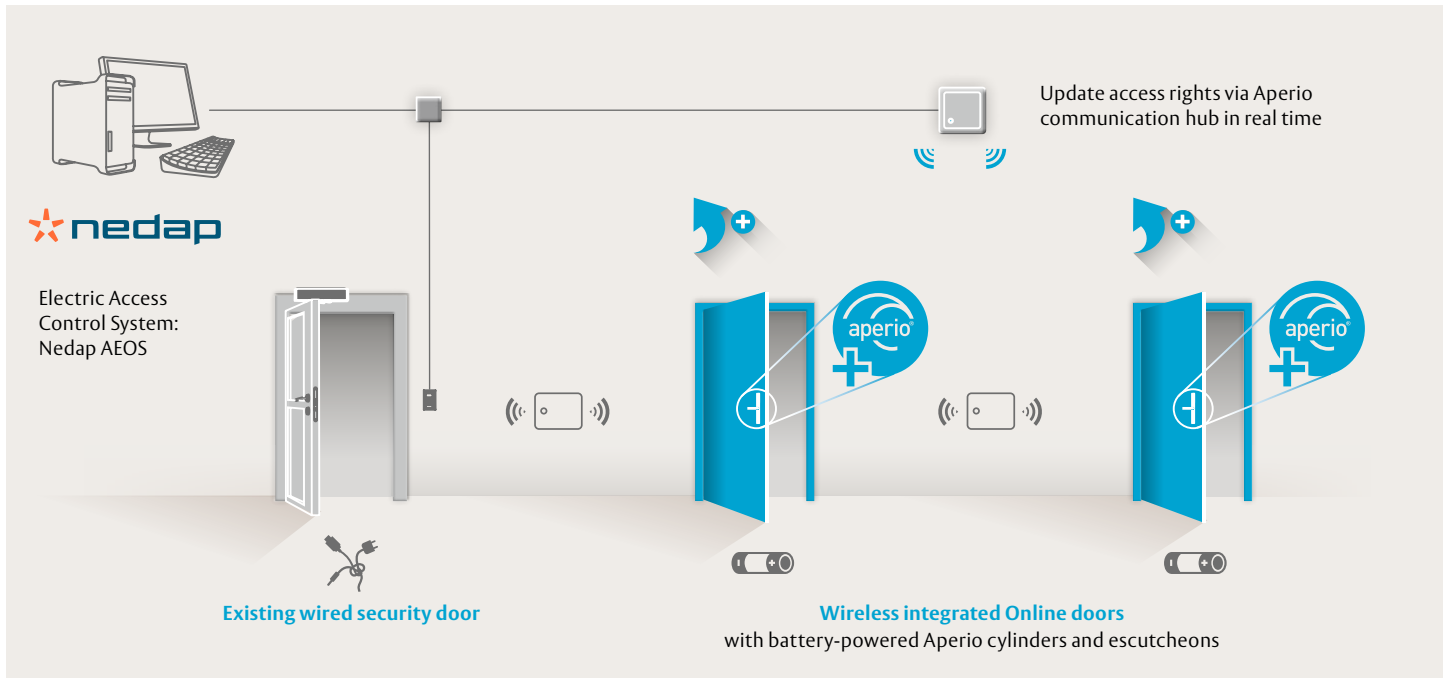
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Ahoy Rotterdam has state-of-the-art Aperio protection

150

Aperio secured doors installed at Ahoy



"The intelligent Aperio technology was chosen to create a wireless connection with the existing access control system, without requiring any modification to the existing doors."

Harro van Est, Manager Facility Services

Project

Company: Ahoy Rotterdam (www.ahoy.nl)

Segment: Entertainment - Sport arena

Plant location city: Rotterdam

Access Control System: Nedap Aeos

Aperio Partner: Stanley Security Solutions

Challenge

With hundreds of events every year, 250 employees and 1.8 million visitors per year, Ahoy was looking for a secure and flexible locking system with maximum manageability. 6 exhibition halls with an area of 30,000 m², congress and conference centres and a refurbished sport palace with a capacity of 16,000 visitors, various restaurants needed to be protected.

The present mechanical locking system was no longer 'watertight' due to the loss of keys. The solution also had to adapt to the existing access control system.

Solution

Registration, authorization and security. Ahoy had a number of requirements for its new locking system. Around 150 doors in the Sport Palace and the Plaza were equipped with Aperio. Aperio made a simple security upgrade possible. Customer installation costs were limited by only minimal modifications to the existing doors and by making use of the existing card readers.

It is now possible to exactly see who was the last person to be in a room and manage access rights for each door. With the easy to expand with Aperio wireless lock technology, Ahoy is well prepared for the future.

Learn more:

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The Olympiastützpunkt Metropolregion Rhein- Neckar trusts Aperio® from ASSA ABLOY

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Simple and easy door upgrade

Cost-effective extension of the access control system with Aperio Offline integration



Electronic access control system



„The system provides noticeable relief from the time-consuming management of keys. It also provides added security in the residential area, fitness centre and swimming pool areas.“

Daniel Strigel, Director of the Olympiastützpunkt Metropolregion Rhein-Neckar

65

Aperio secured doors installed at Olympiastützpunkt

Project

Company: Olympiastützpunkt Metropolregion Rhein-Neckar e.V., Heidelberg, Germany

Segment: Sports and Entertainment

Athletes served: about 800

Aperio components:

11 online readers on the external doors and 65 offline electronic cylinders

ASSA ABLOY partner:

Johannsohn, Berlin

Challenge

There are 19 regional Olympic training centres under the umbrella of the German Olympic Sports Confederation. Their task is to facilitate and support peak Olympic performances. The Olympic Training Centre Rhine-Neckar Metropolitan Region currently serves about 800 squads from 13 sports of emphasis, such as basketball, boxing, ice hockey, track and field, swimming and Paralympics. The roughly 800 athletes and the employees previously had a mechanical locking system in order to gain access to the individual areas. They include the swimming hall, various sport and training areas as well as apartments where the athletes reside for days or weeks at a time. Matters such as issuing keys, managing keys and key loss were a part of the day-to-day work. Therefore, the administration of the Olympic Training Centre decided to take a new approach to the locking system and began looking for a modern, flexible solution.

Solution

The company Johannsohn, a long-time partner of ASSA ABLOY Germany for access control systems, recommended using an electronic access control system in combination with battery-operated electronic locking cylinders. This solution is especially well-suited for existing buildings, because the retrofitting of cables is very elaborate and, at times, altogether impossible. The concept: The chip cards of the German sport ID card with integrated IK-MIFARE chip are encoded with personal access information on so-called updater readers. These update readers are located at the main entrances to the buildings and fulfil two functions: Firstly, the card is encoded with the access information for the internal doors and secondly, the main entrance door is opened. Harald Johannsohn, whose company has already installed several of these systems, is convinced of the flexibility of the Aperio technology: *“With the online wireless cylinders and escutcheons, the customer is provided with a solution in real time. The user also operates the offline components on a variety of doors using the same card. Therefore, the solution is truly tailored.”*

Learn more:

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In combination with online readers/doors it is possible to integrate additional doors with Aperio Offline devices - all access rights are stored on RFID credentials via the online access control system

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Aperio® secures a landmark new music venue

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Flexible wireless access control keeps Stavanger Concert Hall running

135

Aperio secured doors installed at Stavanger Concert Hall

Electronic access control system:

ARX

"Every single person can only access necessary areas – which improves safety for everyone."

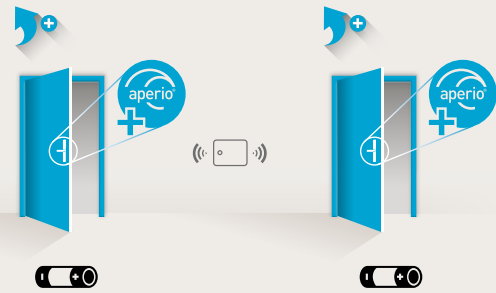
Gaute Arnesen,
Technical Operations Manager
at Stavanger Concert Hall



Wired security door
with card reader / card updater

Simple and easy door upgrade

Cost-effective extension of the access control system with Aperio Offline integration



Wireless integrated Offline doors
with battery-powered Aperio cylinders and escutcheons



Project

Company: Stavanger Concert Hall
(www.stavanger-konserthus.no)

Segment: Culture/public building

Location: Stavanger, Norway

ASSA ABLOY partner:

Låsservice (www.laasservice.no)

Access Control System: ARX

Aperio devices installed:

135 Aperio Offline cylinders & escutcheons with custom-designed handles

Year of installation: 2012

Challenge

Opened in 2012, Stavanger Concert Hall has two uniquely designed, acoustically independent performance spaces, built to the highest international standard. The venue's design allows two concerts to be staged simultaneously, without any sound transfer from one to the other. This new landmark building, designed by RATIO Arkitekter, required a modern access control system to match its daring design.

Key requirements included:

- Fully flexible access, to enable musicians, service staff and contractors to move about freely, but only in the areas for which they have authorization
- Uncompromising security standards to ensure protection for thousands of visitors at any one time
- An easy-to-operate system suited to a busy multi-use venue with 180 different rooms
- A system that can minimize access control costs by doing away with cumbersome and expensive physical key management and ensures easy installation

Solution

To make building management easy and transparent, Stavanger Concert Hall installed approximately 135 battery-powered Aperio Offline escutcheons and cylinders integrated with the access control system. The system includes portable programming devices, used in combination with online readers and doors. It's now straightforward for an administrator to divide users into defined groups. This simplifies the handling of RFID access cards, and ensures every site user has access rights tailored precisely to their needs.

For example, the Stavanger Symphony Orchestra has 85 musicians and 13 admin employees, all with daily work in the concert hall. The orchestra rehearses and holds concerts in the main venue, and also rehearse in a large number of purpose-built rehearsal rooms. Employees need secure access to a canteen, recreation room, wardrobes, sauna and fitness, in addition to their offices and the venue archive. For major events, such as television productions, up to 200 additional contractors must access different areas of the concert hall.

This degree of flexibility is possible because Aperio wireless locks can bring access control to many more doors in a building.

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Healthcare

Aperio for hospitals and health centres



Save costs. Increase security.

"Aperio escutcheons proved to be the most cost-effective and easy-to-install security solution for the hospital."

Sue McIntyre, General Manager, Grantfen

ASSA ABLOY deploys secure door opening solutions in a wide spectrum of health care environments, from hospitals and elderly care centres to university medical faculties, laboratories and research centres.

With Aperio wireless battery-powered devices, sensitive information including medical records is

secured around the clock. Access is restricted using flexible permissions that facility managers can update online at any time, as and when needed. ASSA ABLOY supplies healthcare solutions suited to a variety of uses across the sector, as well as panic exit devices for emergency exits.



Aperio® delivers
cost-effective access
control to critical
medical infrastructure

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Close cooperation between ASSA ABLOY, Grantfen and Inner Range was crucial for the project's success

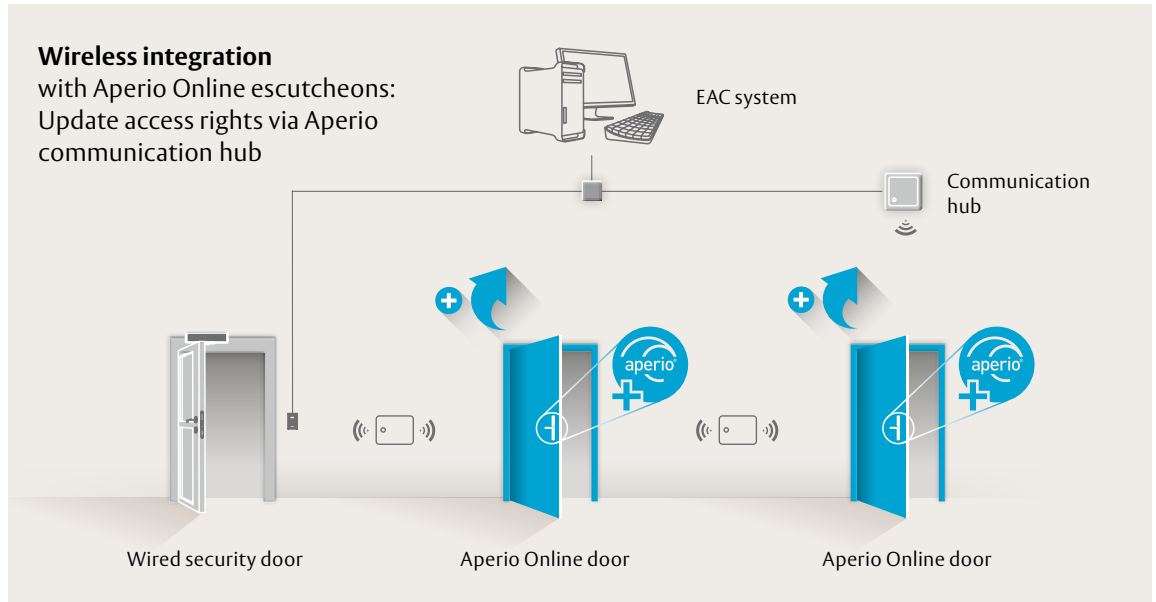
200

Aperio doors added
to the electronic
access control
system



"Aperio escutcheons proved to be the most cost-effective and easy-to-install security solution for the hospital."

Sue McIntyre,
General Manager, Grantfen



Project

Company: Aintree University Hospital

(aintreehospital.nhs.uk)

Segment: Healthcare

Location: Liverpool, England

Aperio partners: Grantfen (grantfen.com) and Inner Range (innerrange.com)

Aperio devices installed:

approx. 200 E100 Online escutcheons

Year of installation: 2013-2016

Challenge

Aintree University Hospital is a major teaching hospital and health provider in North Merseyside, providing acute medical care to around 330,000 local residents. As part of a £35 million refurbishment of A&E and other urgent care services, the hospital trust sought an upgrade to its access control system.

Key requirements included:

- Flexible, scalable access control to streamline day-to-day operations, extending public access while also maintaining restrictions to sensitive areas, including those with confidential information, medicines and valuable equipment
- A wire-free system so installation could be done quickly and efficiently, without disrupting the day-to-day work of the hospital
- Access control technology with a proven track record in the healthcare sector
- User-friendly integration between hardware provided by multiple access control suppliers
- A solution that could be installed cost-effectively, which is crucial for a public sector funded project in an era of tight budget constraints

Solution

ASSA ABLOY partnered with Grantfen and Inner Range to deliver a unified platform, which extended the responsive Integrity access control system with ASSA ABLOY's Aperio battery-powered escutcheons. Because Aperio is built on open architecture, integration is seamless.

"Aperio offered a straightforward alternative to a complicated wired solution, without any need to modify the doors," says Sue McIntyre, Grantfen's General Manager. *"A particularly useful feature for installing the system quickly and efficiently, without disrupting operations within the live building."*

Aperio locks are wireless, so there was no need for complex, expensive electrical work during the installation stage. Aperio saves the hospital money when operational. Wired locks are powered by an always-on mains electricity supply. Aperio locks, on the other hand, only 'wake up' when activated by a user credential. Because Aperio components are powered by standard batteries, maintenance is easy (a simple battery replacement after 2 years). And because Aperio is fully scalable, it's easy to bring even more wireless locks into the hospital's existing access system as the hospital's refurbishment continues.

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The next generation
of biomedical
research, secured by
Aperio® technology

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Aperio's flexibility will allow Biomedical Centre extend easily access control to other parts of the campus

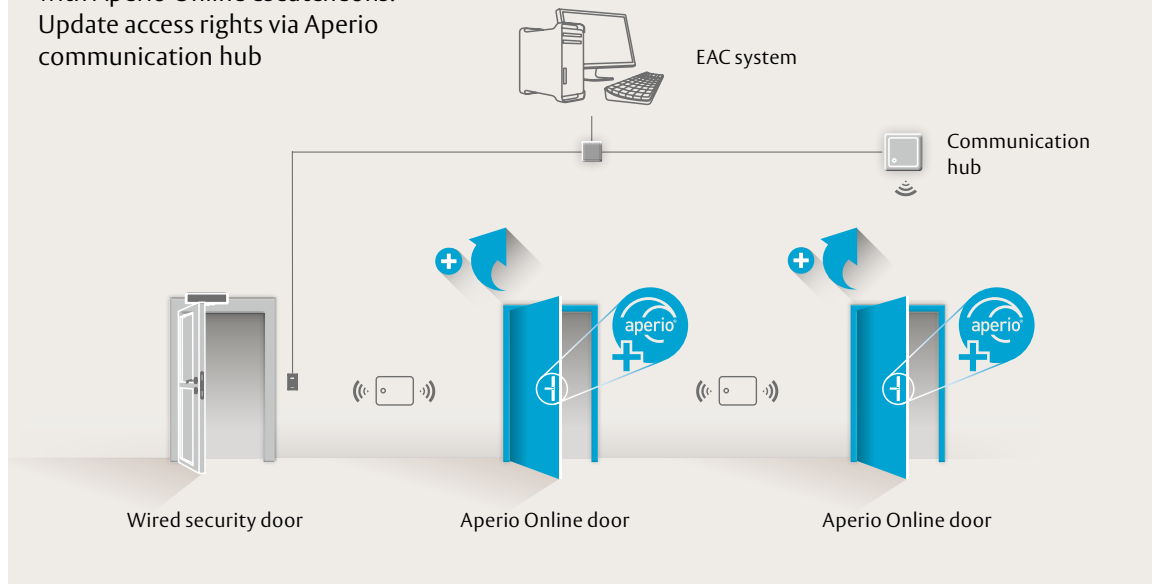
100

Aperio doors added to the electronic access control system



Wireless integration

with Aperio Online escutcheons:
Update access rights via Aperio communication hub



Project

Company: Biomedical Center Pilsen
(www.biomedic-plzen.cz)

Segment: Scientific & medical research

Plant location: Pilsen, South Bohemia,
Czech Republic

Aperio Partner: Abbas

Access Control System: Dominus Millennium

Aperio devices installed:

Around 101 Aperio E100 and
E100 Premium escutcheons

RFID technology: Standard MIFARE

Challenge

The Faculty of Medicine – part of Charles University, Pilsen – carries out specialist bio-medical research in the field of organ regeneration and replacement. The faculty's new Biomedical Center is scheduled to open in 2015, and will contribute to research in this area as well as boost science education across the South Bohemia region.

The new facility needs the highest standards of security to protect valuable biological material stored inside, and to ensure the safety of its users, scheduled to be 95 staff plus a shifting roster of students.

Key requirements included:

- The Faculty demanded a modern, flexible, wireless door opening solution

- The site will admit doctors, students, and university teaching staff with different levels of access authority, which would be time-consuming to administer under an old-fashioned mechanical master-key system
- The access control system must secure an area of 4,125 square metres, incorporating laboratories, offices, and other workspaces

Solution

The Biomedical Center Pilsen will open in 2015. ASSA ABLOY partnered with Abbas to install a door opening system based on Aperio wireless lock technology. The facility's new doors are fitted with 101 Aperio E100 and E100 Premium escutcheons, as well as EL360 electric strikes.

Doors are connected via 1-to-8 Hubs, which allow up to 8 different doors to communicate with the access control system from the same hub within a transmission range of 15 to 25 metres.

Doctors, students, researchers and teaching staff will open doors using a programmable smart card equipped with standard MIFARE RFID technology. Aperio is fully flexible. Should the facility be enlarged – or Charles University wishes to extend smart card-based door opening to other parts of the campus – this can easily be achieved with Aperio.

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Wireless AperiO®
locks complement
wired locking to
secure a large
French hospital

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A hospital with more than 4,850 employees and 1,880 patient beds requires multiple checkpoints and access rights tailored to individual staff and contractor needs



Company:

Centre Hospitalier Métropole Savoie
(www.ch-metropole-savoie.fr)

Segment: Hospital/medical

Location: Chambéry, France

Access control system/integrator:
ARD (www.controle-acces.fr)

Aperio devices installed:

1,300 Aperio readers and
228 Aperio communications hubs

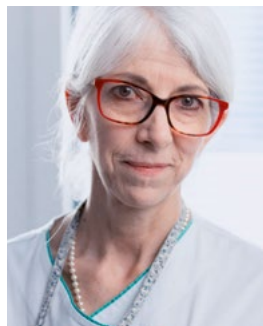
RFID technology: Mifare

Year of installation: 2015 to 2019

Challenge

Meeting the access control needs in hospitals

Centre Hospitalier Métropole Savoie (CHMS) is a large new hospital built to serve the Alpine communities of Haute Savoie. The hospital employs 4,850 people and has 1,850 patient beds. As at all health facilities, security for this new hospital presents a complex challenge. It requires multiple checkpoints and access rights tailored to individual staff and contractor needs.



“Having just a single badge — and not having to carry around heavy keys — has been a major requirement for us.”

Béatrice Dequidt,
Health Executive,
Centre Hospitalier Métropole Savoie

Key requirements for commissioning the new hospital's access control system included:

- Access control devices to fit and manage all doors at multiple sites, including secure areas like the pharmacy
- A technology which removes the need for staff to carry heavy key bunches or hunt relevant keys
- A management interface enabling security teams to administer and maintain access control autonomously

- Real-time control, so managers can respond proactively including by opening/closing doors remotely
- System compatibility with the government's electronic Health Professional Card (CPS)

Solution

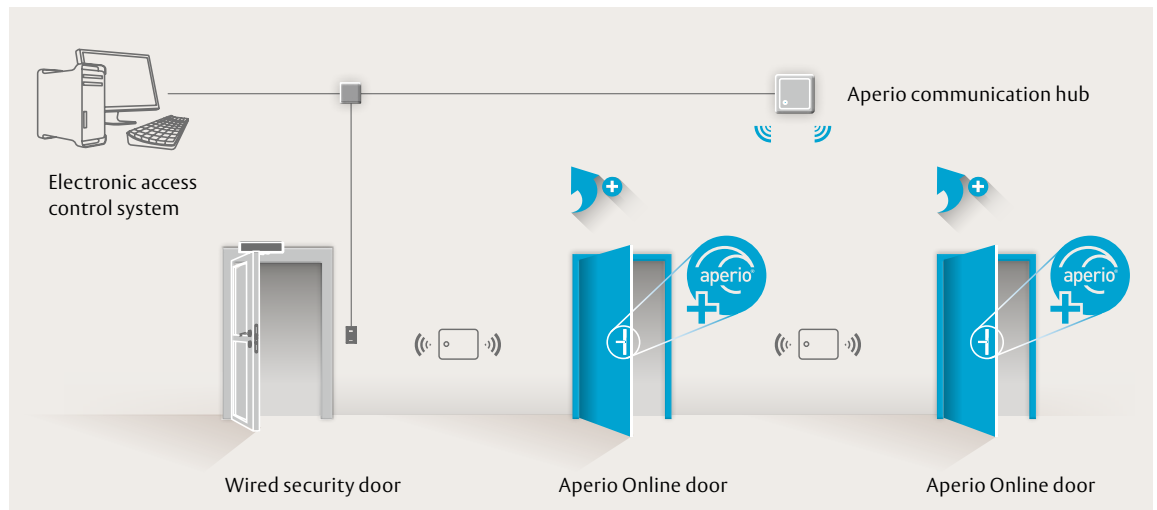
Aperio and ARD integrate HR and access control functions seamlessly

1,300

Aperio secured doors now can be managed from a single system

Simple and easy door upgrade with Aperio Online integration:

Update access rights via Aperio communication hub in real-time



To meet their security challenges, managers selected Aperio locking technology integrated online with an ARD access management system. Because Aperio locks are wireless, the hospital has introduced many more layers of security and secure doors without incurring excessive installation or operating costs, including for sensitive offices and drug stores where real-time control is needed.

Aperio battery-powered electronic devices integrate natively with the centralised access system, so CHMS's wired and wireless access points are managed together, with real-time management logs, remote door opening and free time slot management. Communication between Aperio lock, hub and system benefits from 128-bit AES encryption.

"When there are physical constraints, or when the environment does not allow for wiring, the autonomous Aperio solution allows doors to be equipped [and] user and badge-holder import to be automated," explains Aurélien De Riols, ARD's Sales regional Director.

"This solution's advantage is it represents a single site from an authorisation management and systems perspective."

"We have implemented internal HR management procedures, creating badges that are automatically integrated into ARD's operating software," adds Alain Gestin, CHMS's IT Systems Architect.

For every site user, the advantages of carrying a single badge — instead of multiple keys — are clear.

Learn more:



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Find out more about Aperio Wireless Access Control

We hope you find this Aperio case study useful. If you would like more information about Aperio, click the link below and we will put you in touch with one of our local experts.

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- Reduce capital expenditure and operational costs
- Discover new return on investment opportunities

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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Mental health treatment centre in France puts its trust in Aperio®

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Aperio wireless locks solved CPN's lost key problem

23%
proportion of mental health patients in France who receive some inpatient care (WHO Europe, 2015)



Wireless integration with Aperio Online escutcheons: Update access rights via Aperio communication hub



"Previously when a unit key was lost, we would have to change every cylinder it opened – which for some keys would be very expensive."

Cédric Marchal, technical services engineer, CPN

Project

Company: Centre Psychothérapique de Nancy (www.cpn-laxou.com)

Segment: Healthcare

Location: Nancy, France

Aperio partner: Delta Security Solutions (www.delta2s.fr)

Aperio devices installed:

164 Aperio Online wireless battery-powered escutcheons (to date)

RFID technology: CPS

Year of installation: 2011 – 17

Challenge

The Centre Psychothérapique de Nancy is a public health institution in north-eastern France. It specializes in the treatment of mental health conditions in children and adults.

The facility sought an upgrade to its mechanical master-key system, which was proving expensive and time-consuming to run. Key requirements for any new system included:

- A solution to CPN's persistent lost key problem: previously, if a key went missing, multiple cylinders in a unit would need to be replaced at significant expense
- A technology with the option to manage access permissions in real time
- A technology that would be easy to install, and not disrupt the busy day-to-day schedule of the CPN
- Devices that would suit not only patient and staff rooms, but also sensitive areas like the pharmacy and secure closets for patients to keep personal items

- Confidence in a partner's ability to provide ongoing support after installation was finished

Solution

To date, over 160 Aperio wireless escutcheons have been installed at CPN's premises. Most of them lock the doors of patients' rooms, so everyone can circulate freely without the need to carry a cumbersome key. Because Aperio integration at CPN is online, security staff keep track of all door security in real time – which was impossible with the old mechanical system. Some dorm-style rooms have multiple beds. Here, Aperio escutcheons secure cupboards for every inpatient, so personal belongings are kept safe without physical keys or PIN codes. Old key-operated safes have been removed, saving CPN the recurring cost of re-keying and replacing safe locks. Aperio devices also lock areas where residents are not permitted, including staff rooms, offices and the medicine store.

If anyone loses their credential, facilities staff simply delete it instantly and reissue another. It's faster, more secure and more cost-effective than the old master-key system.

Every year since 2011, CPN have expanded their Aperio system to cover more doors. The safety and well-being of all patients is enhanced. Enabled by Aperio wireless access control technology, CPN's upgrade process continues.

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Aperio® wireless
access control
drastically cuts thefts
from the hospital site

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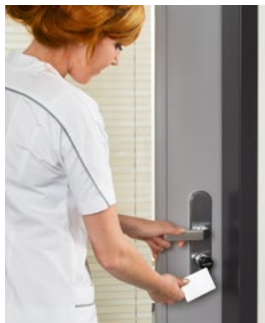
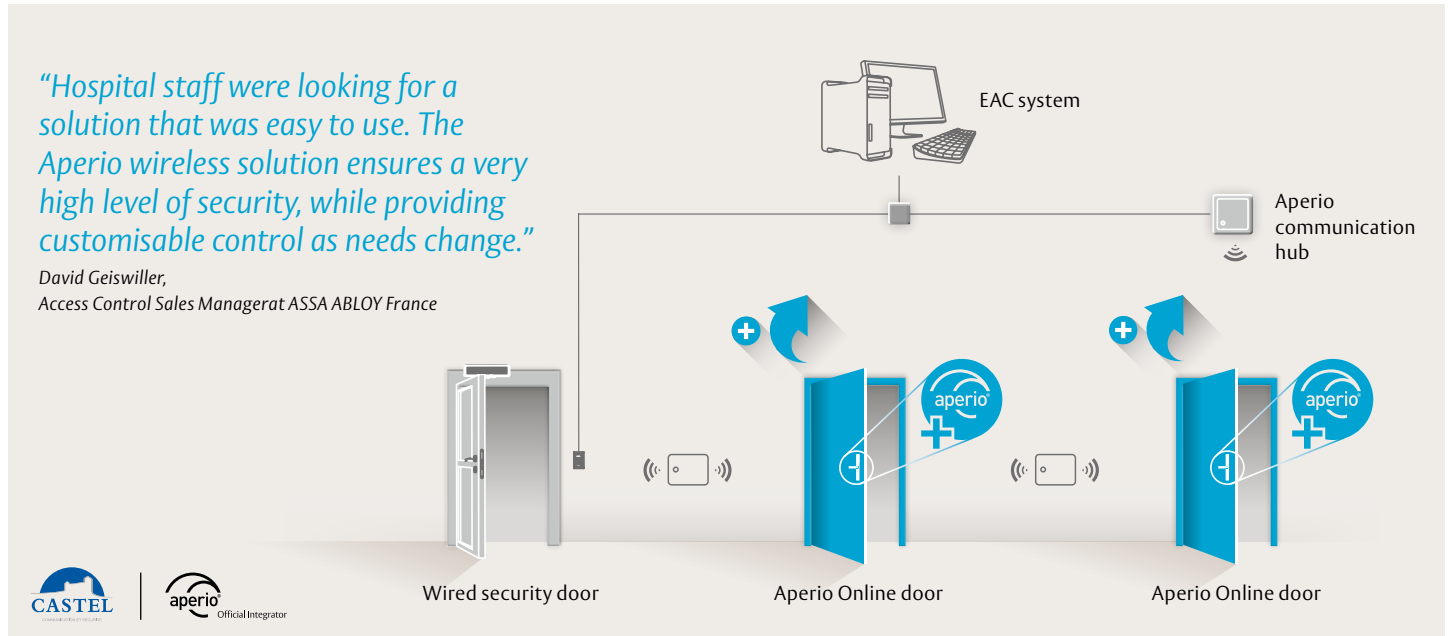
Grenoble hospital puts its trust in Aperio technology

20

Aperio doors added to the electronic access control system

"Hospital staff were looking for a solution that was easy to use. The Aperio wireless solution ensures a very high level of security, while providing customisable control as needs change."

David Geiswiller,
Access Control Sales Manager at ASSA ABLOY France



Project

Company: CHU de Grenoble
(www.chu-grenoble.fr)

Segment: Healthcare

Location: Grenoble, France

Aperio partner: Castel (www.castel.fr)

Aperio devices installed:

approx. 20 E100 battery-powered escutcheons and C100 battery-powered cylinders

Year of installation: 2015

Wireless integration

with Aperio Online escutcheons and cylinders: Update access rights via Aperio communication hub

Challenge

The Centre Hospitalier Universitaire (CHU) de Grenoble occupies a site that's open to the city and its people. Literally: the hospital is very easy to access, as it has no enclosing walls and even the city tram passes between its buildings. With so many people passing through each day, a security system was needed to control access to areas that are sensitive and in need of protection from unauthorized intrusion and vandalism – treatment rooms and operating theatres in particular. Key requirements included:

- Access control that could be relied upon to regulate access to the 2,200-bed site and better protect it from vandalism and intrusions
- A flexible and cost efficient solution
- A secure system to reassure CHU's 7,800 employees that their belongings, as well as those of visitors, are well protected
- An access control solution that could be maintained regularly by in-house staff

Solution

A minimal outlay on Aperio wireless locks transformed hospital security. Approximately 20 battery-powered Aperio Online cylinders and escutcheons were installed in hospital buildings connected via communications hubs to the access control system. Previously, the open nature of the site had posed a significant risk of intrusion. Stealing hospital property had become widespread. With Aperio wireless access control, the immediate result was to drastically reduce theft from the premises.

Doors to sensitive areas of the hospital are protected with Aperio wireless access control devices. These can only be opened with RFID smart cards issued to authorized personnel. Aperio Online technology ensures hospital security managers can administer access rights and receive audit trails in real time. These have been sufficient deterrents for most thieves.

CHU also value the option to maintain the battery-powered Aperio locks themselves, and a training session with the partner Castel was arranged. Cylinder and escutcheon maintenance is straightforward; a new lithium-ion battery every 2 years is all that's usually required. In addition, because escutcheons and cylinders are so easy to install, moving or adding new Aperio components has also been taught to in-house staff. Thanks to Aperio, CHU de Grenoble has taken control of its own site security.

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Aperio® wireless access control protects patients and their private data in Ghents hospital

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Hospital security managers face multiple security issues. Users vary from doctors, nurses, patients and their visitors to a host of temporary and contract workers. Each needs access rights tailored to their diverse needs.



Challenge

Meeting the access control needs in hospitals

“The Aperio wireless solution guarantees a high level of security through flexible access control with no wiring and easy installation, Aperio was the best solution to fit the need of the hospital.”

Piet Ven Den Bossche, Access Control Leader, ASSA ABLOY Belgium

Company:

Hospital Maria
Middelares
(mariamiddelares.be)

Segment: Healthcare

Location:

Ghent, Belgium

Access control system:

Nedap AEOS
(nedapsecurity.com/
aos)

Aperio devices

installed:

approx. 600 doors
secured with
battery-powered Aperio
Offline escutcheons

Year of installation:

2014

Few sectors can match healthcare for the variety and sensitivity of its assets. In any medical setting, the protection of drugs and confidential patient information is critical. Locks must guarantee high levels of security, with no compromises. Every breach demands a thorough investigation.

Hospital security managers face multiple security issues. Primarily: how to maintain the hospital as an open, welcoming space for the public while simultaneously ensuring medicines, staff, expensive equipment and sensitive data are safeguarded? Users vary from doctors, nurses, patients and their visitors to a host of temporary and contract workers. Each needs access rights tailored to their diverse needs.

In addition, sites tend to be large and complex, so locks may need to integrate with a comprehensive building management system which includes fire detection, CCTV and so on.

The installation at Hospital Maria Middelares was formerly spread over two sites, in Ghent and nearby Gentbrugge. A major infrastructure project replaced these with one new complex, in Ghent, where the hospital is a vital part of everyday life in Belgium's second city.

EGM Architects developed the facility in cooperation with a Belgian partner, LLOX, with the first new building opening in 2014.

Because of its critical role in local healthcare delivery, Maria Middelares must remain open and secure around the clock.

Key requirements for an access control system to serve the new hospital included:

- Trusted security suited to ensuring the safety of staff, patients and visitors, as well as sensitive information, medical supplies and valuable equipment – while at the same time, maintaining the site as a welcoming space
- Seamless integration with Nedap's AEOS security management solution, so facility managers can monitor the entire premises from a single, integrated platform
- Access control that would enable staff to monitor security in real time
- A user-friendly, card-based solution that staff could use as an alternative to old-fashioned, cumbersome mechanical keys
- The ability to tailor smart card access rights for every individual site user
- Cost-effectiveness in installation and day-to-day operation

Solution

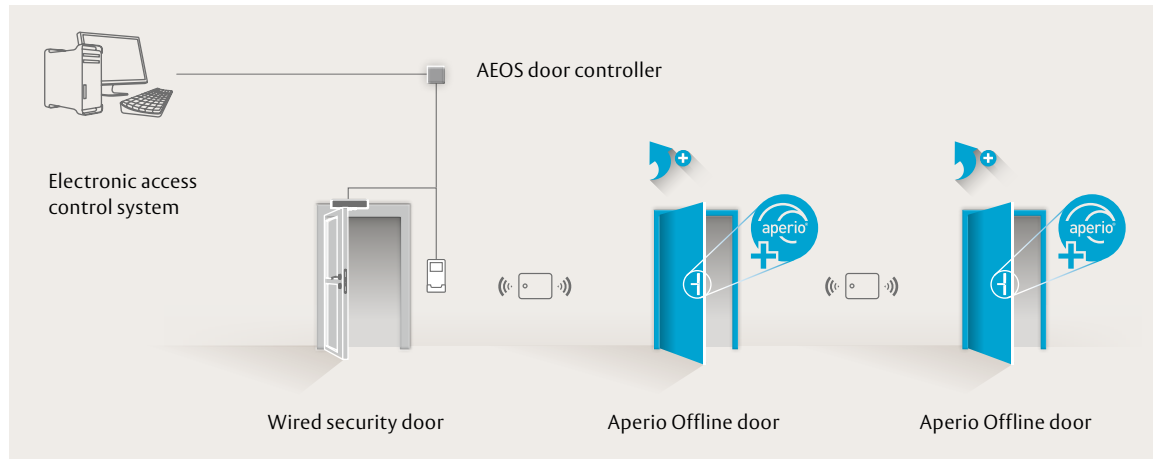
Protecting patients and their private data with integrated security management from Aperio and Nedap

600

Aperio secured doors now can be managed from a single system

Simple and easy Aperio door upgrade with OSS Standard Offline:

Open standards are the key to effective integration, as here at Maria Middelaes.



In partnership with Nedap, around 600 doors in the first new hospital building were fitted with battery-powered Aperio Offline escutcheons connected to the software-driven AEOS security management system. Staff at Hospital Maria Middelaes now carry a single, user-friendly smart card for opening doors and accessing other secure areas in the new building, which opened in 2014. The smart cards use a standard RFID technology, MIFARE®.

With this offline AEOS/Aperio integration, access authorizations are saved directly to the smart cards. All credentials and doors – wired and Aperio-equipped wireless doors – are managed using the AEOS access control system. Users receive new or modified access authorizations from a central point, managed in real time using AEOS. Because both AEOS and Aperio are built using open offline standards, and AEOS systems use a generic controller, the integration is genuinely seamless. The result is a unified system controlled from the AEOS interface – and significantly lower maintenance and admin costs for the hospital.

“Very important for the success of this project was the seamless integration between the Nedap access control system and Aperio. With Aperio locks and Nedap AEOS access control, it’s easy for facility managers to generate audit trails for rooms holding controlled medicines or valuable hospital equipment.” says Piet van den Bossche, Access Control Leader, ASSA ABLOY Belgium.

Aperio locks deliver security for all kinds of door openings, including security doors and fire doors, without the need for expensive, intrusive wiring during installation. Locks are powered by regular lithium-ion batteries, which saves on

energy consumption and maintenance costs, an important concern when pressure remains on public healthcare budgets.

It’s easy to extend wireless access control to more doors within the same system whenever needed. So, the hospital’s new Aperio installation provides an access control system that can grow to include new buildings as soon as they come on-stream. And because the Aperio deployment was 100 percent wireless, treatment rooms, offices and corridors remain clutter-free and building aesthetics are maintained.

AEOS now manages almost 800 doors at Maria Middelaes, consisting of more than 200 wired and 600 wireless Aperio offline doors. And this number will grow in future.

“This way AEOS gives the hospital the flexibility they need to keep control of access and the flow of people,” says Peter Rommens, Sales Manager at Nedap Belgium.



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Benefits of integration

The OSS Standard Offline



At Maria Middelaes, the Aperio integration with AEOS supports the OSS Standard Offline, an open 'update on card' standard for offline electronic locks. The OSS Standard Offline was recently developed by ASSA ABLOY, Nedap and other industry leaders. It is designed to give confidence to customers faced with a rapidly developing and diverse market for electronic access control products.

"Historically the standards behind most access control systems have been proprietary," explains Matthias Weiss, EMEA Aperio Product Manager at ASSA ABLOY. "To allow access control software providers to be more flexible in enabling the interoperation of offline locks, we took the decision to drive open standards forward. This is why ASSA ABLOY became one of the founders of the OSS Association and co-developed the OSS Standard Offline."

All locks that conform to the OSS Standard Offline – including Aperio offline cylinders and escutcheons – read the same access rights from a card and interpret them in the same way.

"Open standards are the key to effective integration, as here at Maria Middelaes. They also represent a win-win situation for both customers and lock manufacturers. The customer gets to choose the best lock for any job from among all compliant locks, whatever the manufacturer, rather than being forever locked into one company's product line."

With Aperio wireless locks, integrated with AEOS security management, access control at Ghent's new flagship hospital is future-proofed.

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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Assisted living for the future with Aperio® wireless access control

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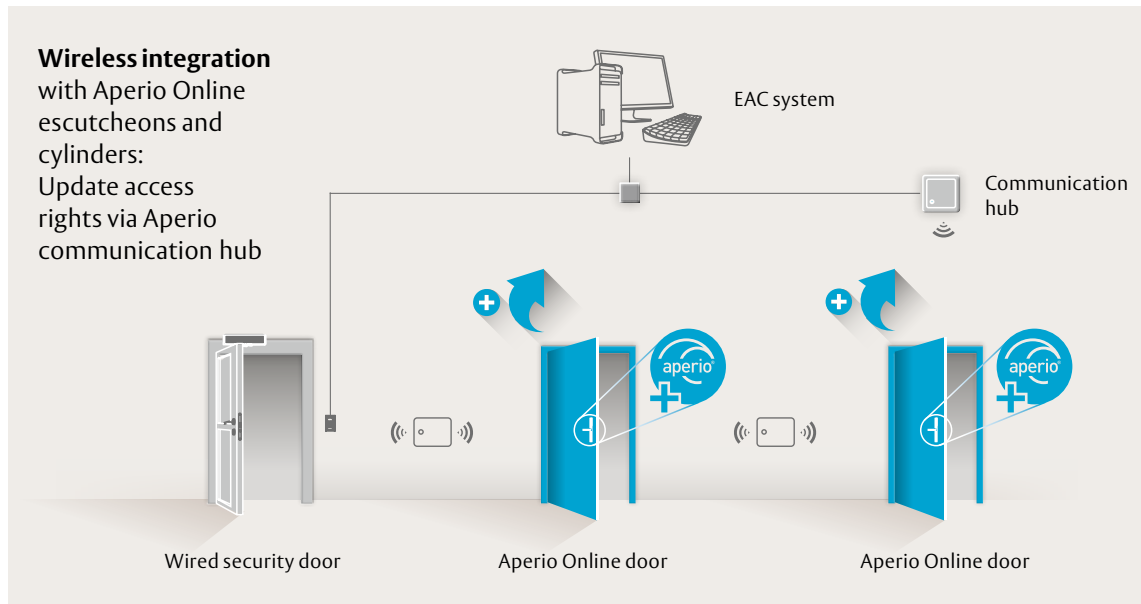
Experience a safer
and more open world



The efficient access solution with Tidomat and ASSA ABLOY

110

Aperio doors added to the electronic access control system



"We need to think in the long term – smart and sustainable. We've never built anything with such advanced requirements before."

Åsa Jernbom, planning secretary at Umeå Social Services



TIDOMAT

Project

Company: Äldrecentret (elderly centre) Teg

Segment: Health and social care

Location: Teg, Umeå, Sweden

Aperio Partner: Tidomat AB

Aperio devices installed:

100 Escutcheons, 10 Cylinders

RFID technology: Low Frequency (EM410)

Challenge

The largest city in northern Sweden, Umeå built a new flagship assisted living facility in Teg to provide accommodation and on-site rehabilitation for people with dementia and physical illnesses. Technology is at the heart of the new centre. Hearing loops are built into the floor. A digital signboard showing activities, this week's menu, and who lives where meets visitors at the entrance. Each room has outlets for cable TV and internet service.

Key requirements for the facility's locking system included:

- A people-centred, secure electronic access control system that would be suited to keeping a vulnerable client group safe
- Sustainable technology to limit the carbon footprint and cut unnecessary energy use at the new facility

Solution

Cabled access control doors are expensive: installation requires extensive wiring, and powering the locks needs a permanent connection to mains electricity. The facility in Teg aims to set a new gold standard, and demanded a better, 21st-century solution.

The choice was Tidomat integrated with Aperio technology from ASSA ABLOY.

The 110 Aperio equipped doors connect to the system wirelessly. *"Each person has access only to the areas that person needs – which increases security for everyone,"* says Åsa Jernbom, planning secretary at Umeå Social Services.

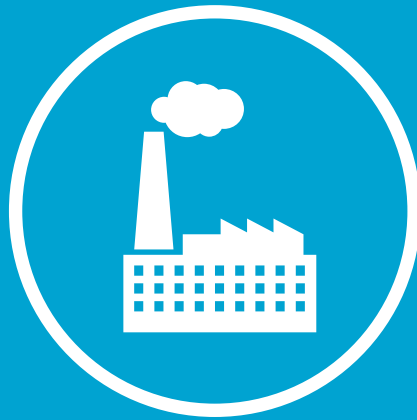
There is also a locker in every room. Only the correct resident or a staff member can open it, via an electronic locker lock.

"This is the first step," says Åsa Jernbom. *"Because we're going to build more assisted living facilities, so we need to think in the long term—smart and sustainable. Umeå is setting the standard with this new facility."*

The Tidomat system with integrated Aperio wireless locks is also future-proofed. It will allow for flexible changes and extensions, if the Äldrecentret requires at a future date.

Learn more:

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Industry and Utility

Aperio for factories and warehouses



Upgrade security. Audit access.

"As part of a large investment at the site, we demanded an access control system that worked online and around the clock. Aperio technology met our needs perfectly."

Gabi Gavriel, IT manager, Reshafim

In industrial settings where security and safety are a priority, Aperio extends an existing access control system or operates as an entirely new solution. Escutcheons, cylinders and locks fit multiple door profiles and standards.

With wireless Aperio components, installation is fast and cost-effective, enabling companies to bring access control to many more doors without breaking the budget or disrupting everyday operations at a factory, plant or warehouse.

Battery-powered devices make it easy for access control to reach areas where hardwiring is tricky or prohibitively expensive – without compromising on security. Compatibility with all standard low- and high-frequency credentials means integration with an existing access system is seamless.

Aperio puts your industrial site security in safe hands.

Aperio® brings wireless access control to factory security

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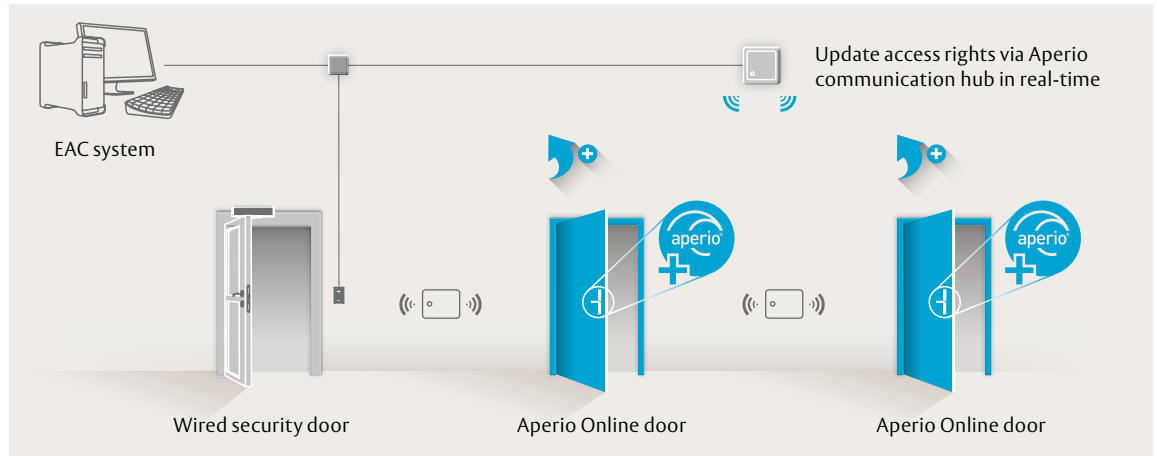
Aperio fits security doors and fire doors without spoiling aesthetics

30

Aperio doors added to the electronic access control system



Reshafim's employees now open doors with HID smartcards



"As part of a large investment at the site, we demanded an access control system that worked online and around the clock. Aperio technology met our needs perfectly."

Gabi Gavriel, IT manager, Reshafim

Project

Company: Reshafim (reshafimdoors.co.il)

Segment: Security/manufacturing

Location: Ashkelon, Israel

Aperio partner: Ardan (ardantech.com)

Access Control System: DDS (dds-security.com)

Aperio devices installed:

approx. 30 E100 Online escutcheons

RFID Technology: EM410x

Year of installation: 2015

Challenge

Reshafim is one of the largest commercial door manufacturers in Israel, with an additional network of 3 showrooms selling its security, safety, entrance and fire doors to business and residential customers. Its recently built manufacturing building in Ashkelon is spread over 3 floors, covering approximately 4,500 square metres. As part of the new plant's security arrangements, Reshafim sought a wireless technology to provide around 30 office and safety doors with a brand new, secure and affordable access control solution. Key requirements included:

- Wireless locks that are compatible with Reshafim's chosen third-party access control system, and yet don't compromise on aesthetics
- A system with hardware components to control access to both regular security doors and fire doors
- An affordable solution that could work within Reshafim's budget constraints
- Access control that could be relied upon to work around the clock, every day of the year

Solution

As a manufacturer of security, safety and fire doors for several commercial markets – as well as of entrance doors for residential use – Reshafim know what it takes to secure a property. To protect their own site, the choice was Aperio wireless, battery-powered locks from ASSA ABLOY, integrated with the DDS access control system.

Around 30 Aperio E100 online escutcheons have been installed at the plant. Each is linked to the central electronic access control system using a network of wireless communication hubs. With no wires, no expensive electrical cabling work was needed.

Employees based at the Reshafim plant open doors using standard RFID technology, in this case with HID smartcards (see hidglobal.com). Deployment was straightforward, and can easily be extended should needs at the manufacturing site change, or Reshafim wishes to extend access control to bring more company locations into the same system. Aperio online solutions enable facilities managers to conduct access audits on demand, and to issue or revoke an individual's access rights instantly – crucial in maintaining site security if someone loses a card. With Aperio connected online to the access control system, all changes can be made centrally, in real time, without the need to use a portable updater, which saves administrators time.

Learn more:

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Office and Corporate

Aperio for offices and corporate



Forget keys. Tailor access.

"We use Aperio to extend our access control system. It's a very cost-effective solution as no wiring needs to be installed on or near the door."

Eberhardt Urban, CEO WEETECH GmbH

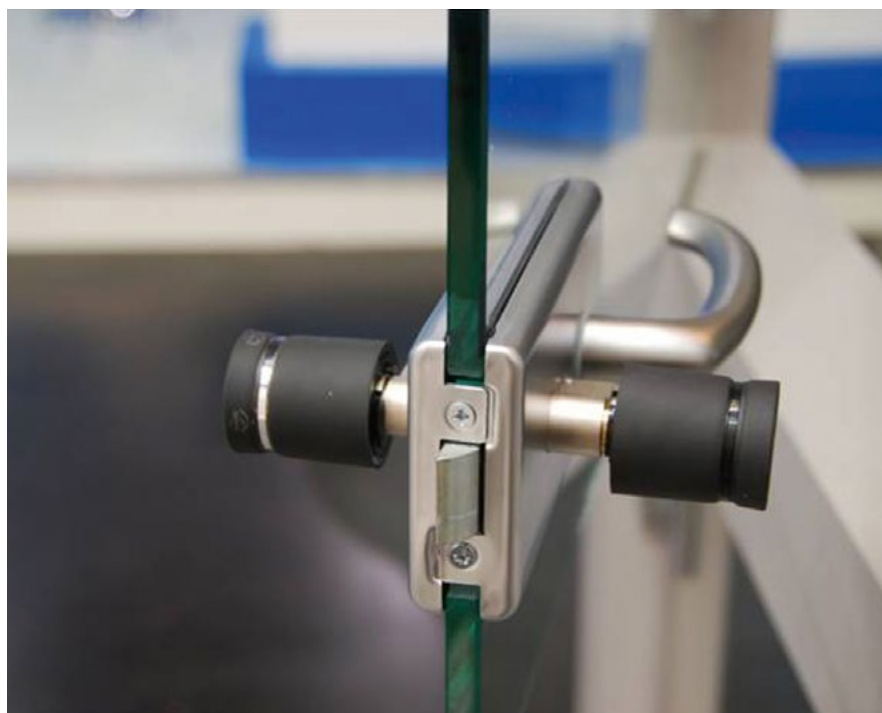
When it comes to corporate door opening solutions, ASSA ABLOY knows that one size never fits all. With an Aperio installation, offices can tailor access control to suit all their specific use cases. From an employee point of view, convenience and ease of use are critical. When you spend your working week in an office, you need access control that adapts to your needs and technologies, including mobile phones.

At the company level, large global corporations can choose a single Aperio-powered access control installation to work across all their premises, no matter how far apart.

ASSA ABLOY Access Control secures BMCE Bank Headquarters with Aperio

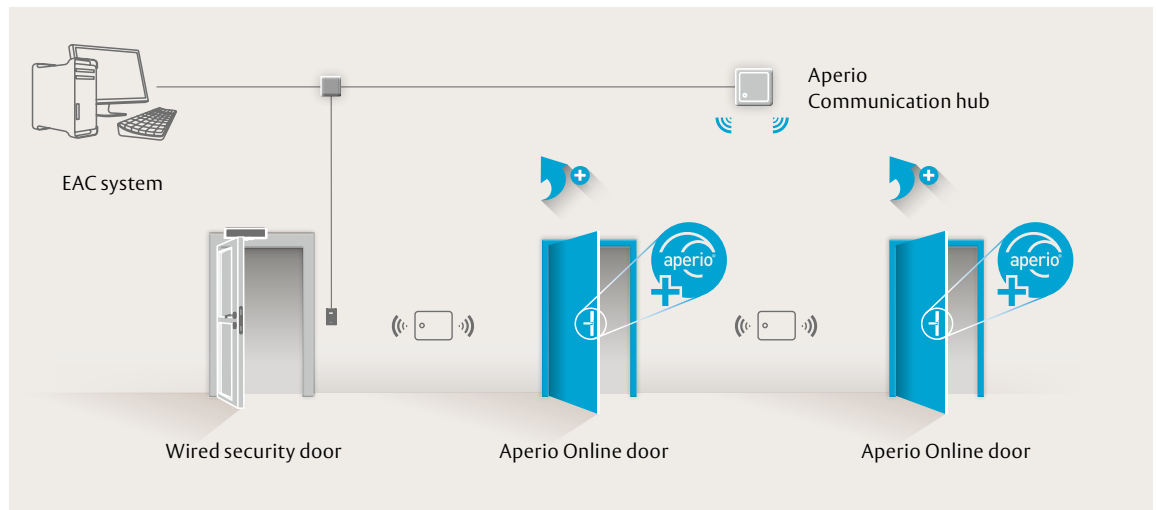
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Wireless integration
with Aperio Online
cylinders:
Update access
rights via Aperio
communication hub



Easy to install, minimal modification to doors

Project

Company: BMCE Bank Headquarters

Segment: Offices and Corporate

Property type: Headquarters

Plant location city: Casablanca

Access control system: Aperio

Aperio Partner: CST Sécurité

Number of Aperio Cylinder:

50 electronic double knob cylinders
with Euro profile

Challenge

BMCE Bank is one of the largest commercial banks in Morocco, with a network of 560 branches.

- About 5,000 staff members in Morocco
- Nearly 2 million bank accounts
- A specialized network of more than 560 branches, including 20 business centres and one Corporate branch
- More than 600 ATMs

As part of a complete overhaul of its headquarter's security arrangements, the bank needed a wireless locking technology to provide 50 of its glass doors with an instant upgrade to an access control system, without compromising on aesthetics.

Solution

Easy to install, ASSA ABLOY Access Control's Aperio cylinder enabled a simple security upgrade from the mechanical systems in place to a sleek access control wireless locking solution.

With Aperio's flexible design and ability to work with iClass®, Mifare™ Plus and Mifare™ DESFire™ technology credentials, there was no issue with Aperio instantly connecting to the existing online access control system at BMCE Bank, with minimal modification to doors and premises.

Learn more:

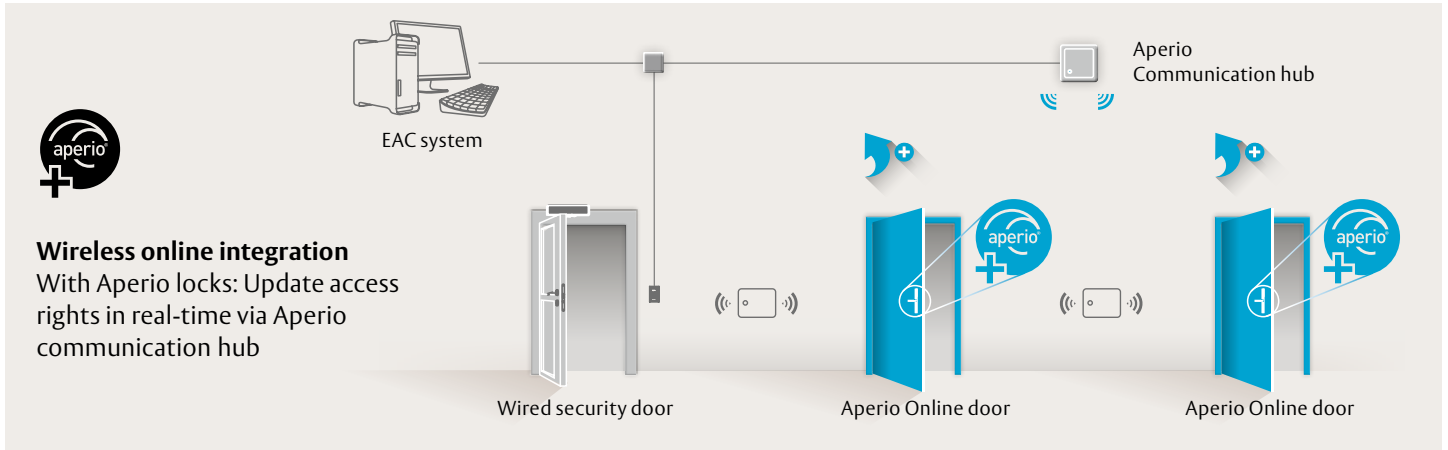
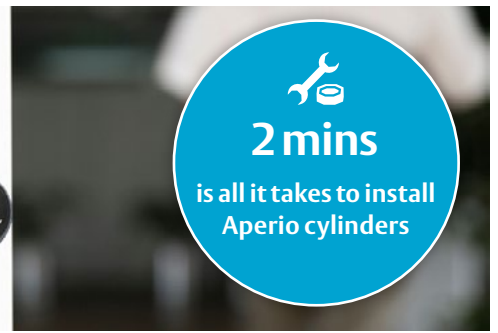
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WEETECH relies
on Aperio® technology
by ASSA ABLOY

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Experience a safer
and more open world



Less keys, more transparency and lower administration costs



*"We use Aperio to extend our access control system.
It's a very cost-effective solution as no wiring needs to be installed on or near the door."*

Eberhardt Urban,, CEO WEETECH GmbH

Cut the wires, cut the bill

Learn more about
cost savings with
Aperio: Download the
solutionguide



Project

Company: WEETECH GmbH's main building,
Wertheim, Germany

Segment: Offices and Corporate

Year of establishment: 1973

Employees in the main building: 70

ASSA ABLOY components: Aperio technology

ASSA ABLOY partner: SIEMENS AG

Challenge

WEETECH GmbH has been supplying testing systems for cables, backplanes and electric and electronic functional modules for over forty years. The development of WEETECH's longterm, customer relationships based on trust has been accompanied by continuous expansion of its product range and consistent growth on the world market. Today, WEETECH is a globally active company with subsidiaries and representative offices in over twenty countries. At its Wertheim location, the company's head office, WEETECH uses Siemens security technology. It decided to install a modern electronic access control system to eliminate the large number of keys, increase transparency and save on administration costs. Siemen's SiPass system is used to provide time and attendance and access control.

Solution

First of all, the main entrance was equipped with a card reader for access control. The terminal on which the 70 employees record their working hours is located in the foyer. A second stage involved extending the system to include more access readers. The company decided to use Aperio electronic cylinders by ASSA ABLOY, which are linked to the SiPass system online by radio. This is a cost-effective solution as no wiring is required on the door when installed. The system controls access online in real time. Sales representative Uwe Karle from Siemens Würzburg: *"Aperio technology is incredibly quick and easy to install and put into operation. Since the radio hub is connected to the access controller as an extra card reader, configuration is completed very quickly with no complications. The Aperio technology is eminently suitable for extending existing customer systems to include more doors."*

Learn more:

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Find out more about Aperio Wireless Access Control

We hope you found this Aperio reference overview useful. If you would like more information about Aperio, click the link below and we will put you in touch with one of our local experts.

Your consultant will help you:

- Boost security and make your workflows more efficient
- Reduce capital expenditure and operational costs
- Discover new return on investment opportunities

[Put me in touch with an expert](#)



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