Cut the wires, cut the bill

How wireless access control helps you save costs

ASSA ABLOY
Opening Solutions

aperio®

Experience a safer
and more open world

Saving money with wireless access control

Improving your company's bottom line

Businesses and public sector organizations face a multitude of cost pressures. Many — currency fluctuations, raw materials prices, trade policies or regulations — are out of your control. But one key area where you can impact the bottom line right now is the cost of owning and running your security system. When you opt for wireless rather than wired door security, your company can benefit from:

Energy efficiency
According to the Harvard Business Review*, energy efficiency is "among the key levers of business success"

Reduce operational expenditures
Three out of 4 installers say wireless systems make installation easier, faster and more cost-effective**

Contribute to a sustainability strategy
Running a responsible, compliant organization enhances reputation and lowers the cost of doing business

Impact of wireless access control on your spending

Find out more

* see https://hbr.org/2017/01/energy-strategy-for-the-c-suite
** see https://campaigns.assaabloyopeningsolutions.eu/wacreport2018

Saving money with wireless access control

Cut costs over the whole lifecycle

Reuse existing devices when redesigning or moving offices

Add new doors to your EAC system cost-effectively

Keyless operation means lower costs when a credential is lost

EXPANSION STAGE

INSTALLATION STAGE

USE STAGE

Quicker to install and lower labour costs

Little or no drilling around doors means lower energy consumption

Battery-operated locks only use power when there is a credential to read

Maintenance: wireless systems only need a battery change after 2 years

Wired vs. wireless systems. Compare costs:

Installation stage »

Use stage »

Expansion stage »

Comparing wired and wireless security systems

Installation stage

Save more than 80% in labour costs during installation

Save time and labour costs
Wire-free door lock installation is faster, quieter, quicker and less disruptive than running cables to every door you want to hard-wire to a security system.
And because wireless locks are faster to fit, you will spend less on fuel to transport installers to/from your workplace or to accommodate them in a nearby hotel.

Wireless access control can save you more than 80% in labour costs during installation.

See the calculation »

**100 locks
Wired vs. Wireless**
Installation cost calculation*

Savings with wireless access control

- **Budget:** more than 80% for man-hours
- **Time:** installation is done in less than 1 day (instead of 5)
- **Energy and noise:** almost no drilling is needed to install wireless locks
- **Unnecessary dirt:** No opened walls, no drilling dust in your premises

100 Wired door locks

6 specialist installers

41,5 hours installation time

100 Wireless door locks

6 specialist installers

5,5 hours installation time

250 man-hours × 70 € (hourly labour cost)

17,500.00 €

Save up to
82.5 %
labour costs

33 man-hours × 70 € (hourly labour cost)

2,310.00 €

* Calculations are based on an average from real installation projects across Europe, using anonymised data sourced from our partners. Typically, a 100-door installation uses 6 specialist installers and takes 33 person-hours to complete with wireless locks, 250 with wired locks. Labour costs vary by country and project.

Comparing wired and wireless security systems

Use stage

More than
70%
energy cost savings

Energy saving and maintenance cost

Over a 10-year budget horizon, wireless locks are much more cost-effective to own and operate. Why? Because wired magnetic doors are connected to the mains and use power around the clock. Wireless locks are battery-operated and only fully "wake up" when presented with a credential. They consume a fraction of the energy. Wired doors require regular, specialist maintenance. Typical maintenance for a wireless lock is to change its standard battery every 2 – 3 years. And you can do it yourself.

Wireless locks save more than 70% in energy costs

See the calculation »

**100 locks
Wired vs. Wireless locks**
Energy cost calculation
over 10 years*

Savings with wireless access control

- **Energy:** more than 70% in energy costs (11,100 € vs. 3,000 €)
- **Maintenance costs:** Maintenance spending for wireless locks is 28 % less than for wired ones (7,700 € vs. 5,500 €)
- **Plus:** going keyless means lower material costs when credentials go missing

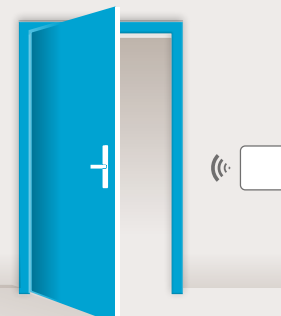100 Wired door locks, permanently connected to the mains

Per lock:
370 kwh average energy consumption in 10 years

maintenance frequency:
regularly by a specialist

100 Wireless door locks, only "wake up" when presented with a credential

Per lock:
maximum 5 batteries in 10 years

maintenance frequency:
battery change every 2 years; no specialist needed

Energy:	11,100.00 €	
Maintenance	+ 7,700.00 €	
Total:	**18,800.00 €**	

**Save up to
55%
energy & maintenance costs**

Energy:	3,000.00 €	
Maintenance	+ 5,500.00 €	
Total:	**8,500.00 €**	

* Calculations based on real average energy prices (0,3 € per kWh and 6 € for battery) around Europe. Of course, retail energy prices are unstable and probably growing over the long term. Battery-powered locking also removes much of this budgetary uncertainty. Typical costs may vary by country and project.

Comparing wired and wireless systems

Expansion stage

it can take less than

1 day

to add 100 doors to your current EAC system

Wireless lock integration has never been so easy

You don't need to start again with a new access or security system to benefit from wireless locks' cost-saving benefits.

Some wireless locks are built to open standards, to enable seamless interoperability with security and building management systems from multiple different manufacturers. You can start small, expand access control cost-effectively to key doors, and gradually roll out powerful, wireless security.

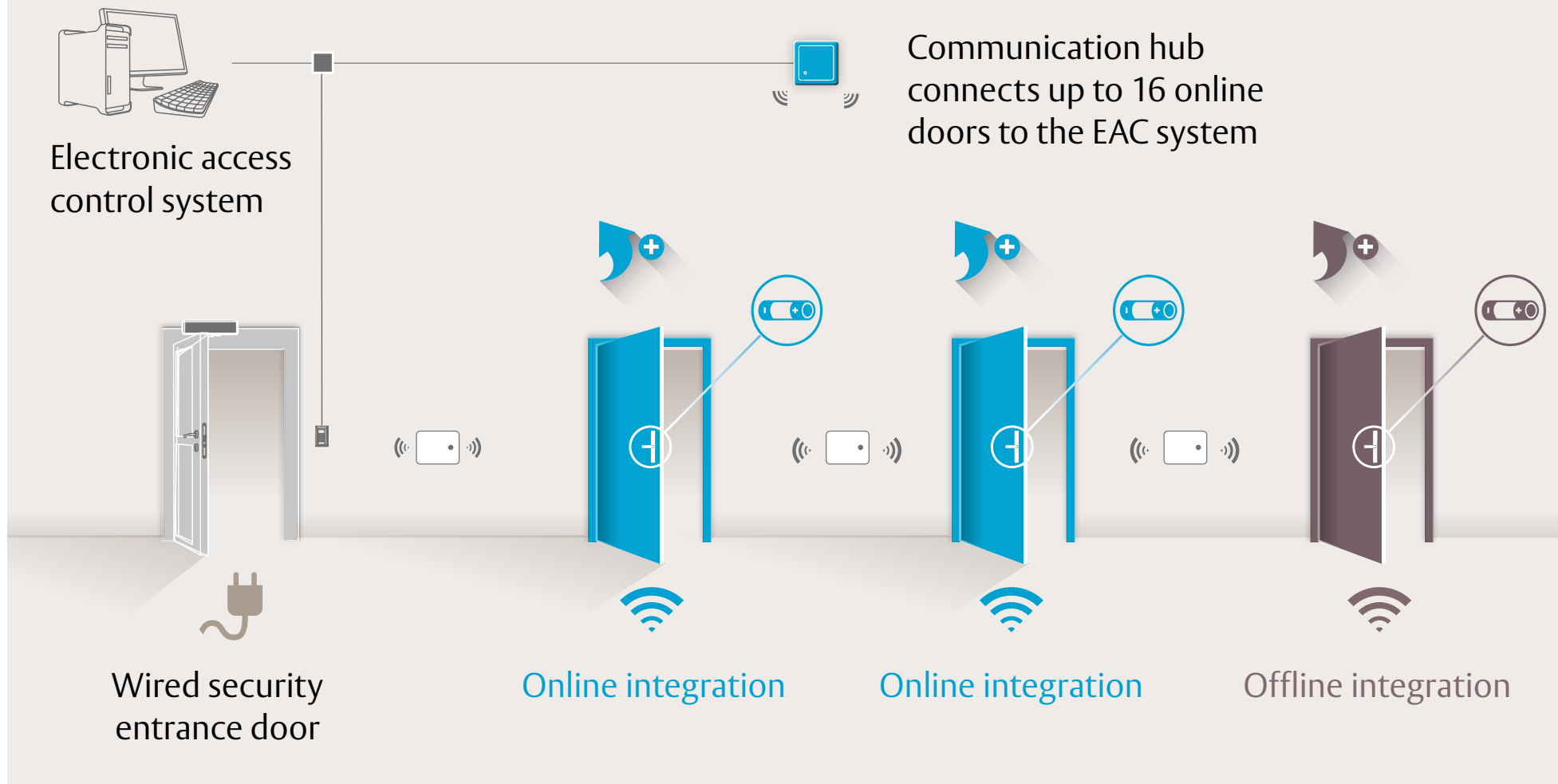**Add security to your doors cost-efficiently**

See the integration

Save extra money when relocating

Reuse locks

Add doors to your EAC system with battery-powered locks

Add new doors to your EAC system cost-efficiently

- **Keep your system:** wireless locks can integrate seamlessly with any EAC system
- **Keep your credentials:** wireless locks work with all common high security RFID technologies
- **One communication hub for 16 new doors:** cost-efficient online integration with real-time access control
- **Or even without hub:** offline integration – transfer of access rights via card updater

Electronic access control system

Communication hub connects up to 16 online doors to the EAC system

Wired security entrance door

Online integration

Online integration

Offline integration

Reuse locks when moving to a new building

Walls can't be moved – wireless locks can

When you move offices or reconfigure doors, you will need to replace and reinstall wired doors completely. Wireless door locks can typically be reused without impacting reliability. Move them to wherever is convenient within your new office layout, or equip new doors altogether.

Add flexibility to your EAC system and save money

Wireless locks can be swapped when you are reorganizing spaces or your security needs change. There is no need to invest in new devices.

Average saving of
30%
security costs for office expansion or relocation

Wireless access control supports your efforts to reduce your environmental footprint and cut costs

Sustainability advantages

Energy efficiency is one key pillar of green buildings

Less material
Wire-free installation and keyless operation use less material that is not easily recyclable, like mixed-material cabling

Reusable locks
Because you can reuse your wireless locks, overall waste during renovation, expansion or relocation may be reduced

Save energy
Lower energy use during locks' operation helps you reduce carbon emissions per door, when compared with wired locks

Less fuel
Fewer trips for installers to/from your property may lower fuel consumption and reduce CO_2 emissions

Aperio® – A trusted wireless access control solution

Take control of your costs

Wire-free door locks with Aperio technology are installed without cables, run on standard batteries and can move from door to door as needs change in your workplace. With Aperio, you can extend access control to many more doors without breaking the bank.

Why choose Aperio?

- Electronic access control for more doors, at lower cost
- Keyless door entry that saves your employees' time
- A range of easy-to-install locks for any door or opening
- Seamless integration with systems from over 100 manufacturers worldwide

Aperio in action

Centre Hospitalier Universitaire de Grenoble, France
Hospital managers wanted an access control system they could maintain in-house, to control costs effectively and to enable instant turnaround when maintenance works were needed.

Aperio cylinder and escutcheon maintenance is straightforward: a new lithium-ion battery every 2 years is all that is usually required. In addition, because escutcheons and cylinders are so easy install, moving or adding new Aperio® components has been taught to in-house staff.

Plexal, flexible workspace, London
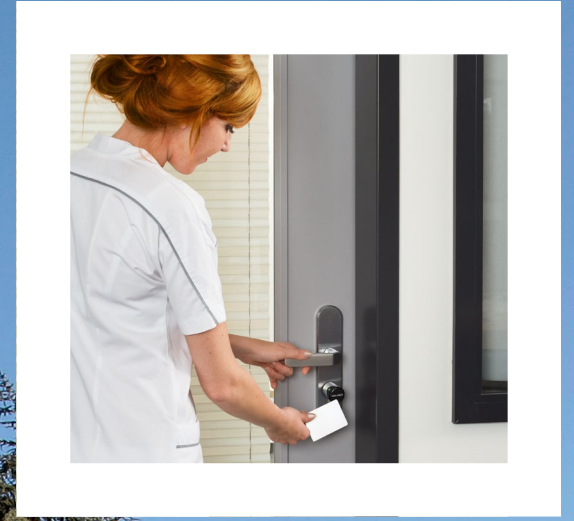Stewart Johnson,
Director at NetNodes:
"With no wiring required, it was quick and easy to install Aperio with minimal disruption."

Lund University, Sweden
Magnus Svensson,
Infrastructure Manager:
"Installation was problem-free. Aperio has proven to be very cost effective."

More case studies

Centre Hospitalier Universitaire de Grenoble, France

Find out more about
Aperio Wireless Access Control

aperio®

We hope you find this Aperio solution guide 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 to:
· Boost security and improve workflow efficiency
· Reduce capital expenditure and operational costs
· Discover new return on investment opportunities

Put me in contact 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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