



Sustainability  
ASSA ABLOY



Aperio® wireless locks  
help Scottish university  
achieve its sustainability goals

**ASSA ABLOY**  
Opening Solutions

Experience a safer  
and more open world

## Challenge

# Matching access control technology to a university with an award-winning track record in energy efficiency

**Project:** University of St Andrews  
([www.st-andrews.ac.uk](http://www.st-andrews.ac.uk))  
**Type:** Education/Student Accommodation  
**Location:** St Andrews, Scotland  
**Devices installed:**  
1600+ Aperio E100 Wireless Escutcheons  
**Access control system:** ARX  
**Year of installation:** 2017–21 (ongoing)



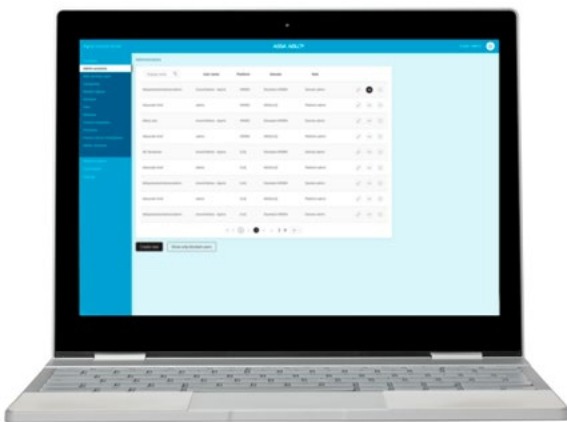
**Committed to sustainability:** the university has a dedicated Environment Team, its own biomass power plant and a socially responsible investment policy

Founded in the early 1400s, the University of St Andrews is globally renowned and was recently ranked as the UK's top university<sup>1</sup>. It occupies around 150 separate buildings in and around the town in Fife, Scotland. Home to the St Andrews Prize for the Environment, it has many teams and departments that have won awards for sustainability, energy efficiency and environmental action. The University's vision is to be net zero by 2035. St Andrews will take out all avoidable greenhouse gases it releases into the atmosphere and compensate for emissions that are unavoidable.

To replace multiple different standalone access control technologies which had been installed at student halls at different times over the years, university accommodation managers sought a more suitable solution.

Requirements for the university's new access control system included:

- An energy efficient access solution to match the university's sustainability ethos
- Electronic locks which would integrate fully with both the university's central system and their student ID card
- The ability to manage and control the entire system, including doors in multiple buildings, from a single point and in real time



*"Aperio interfaces with our central access control system, which gives us central management and control. We get 24/7 monitoring and reporting when required."*

Pauline Brown,  
Associate Chief Information Officer at University of St Andrews

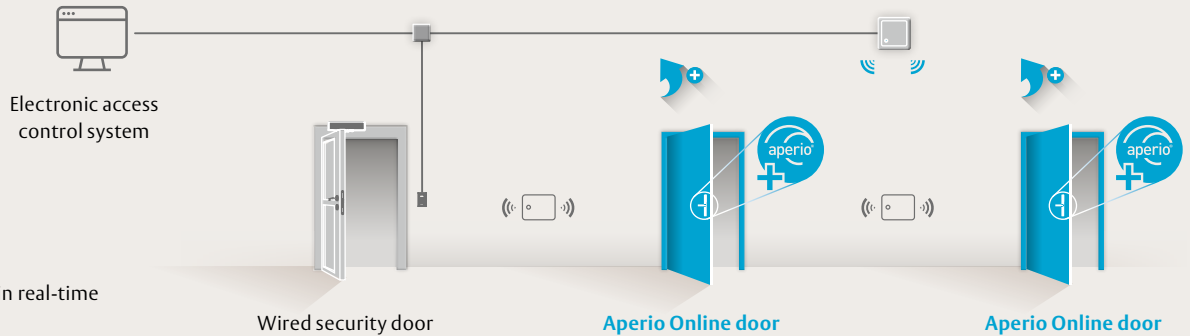


## Solution

# Aperio battery-powered locks save energy through installation, operation and beyond

70%

estimated reduction in energy use during operation, wireless vs. wired locks<sup>2</sup>



### Wireless online integration with Aperio locks:

Update access rights via Aperio communication hub in real-time



Learn more about Aperio for universities:



The university has installed Aperio wireless locks on around 1,693 student bedrooms. St Andrews takes its environmental footprint very seriously<sup>2</sup>: These battery-powered, wire-free electronic locks are a natural fit for their accommodation. The entire Halls of Residence estate will run Aperio. The locking devices offer significant energy efficiency benefits. Locks are wireless, so can be installed with little energy use and no need for a wired connection to mains electricity. They consume zero energy when idle and run on standard batteries, consuming little power in operation. Maintenance involves a change of battery every two years (approx.), nothing more. Through an entire life-cycle, Aperio combines energy efficiency with cost effectiveness.

Online central management has improved access for all building users. Student ID is now combined with a room entry credential, which saves issuing two cards. Staff and maintenance teams can have access rights issued or changed with a couple of clicks in the management system. The whole experience is streamlined.

- <sup>1)</sup> [www.bbc.co.uk/news/uk-scotland-edinburgh-east-fife-58596714](http://www.bbc.co.uk/news/uk-scotland-edinburgh-east-fife-58596714)
- <sup>2)</sup> <https://campaigns.assaabloyopeningsolutions.eu/aperio-cost-savings>
- <sup>3)</sup> see [www.st-andrews.ac.uk/sustainability](http://www.st-andrews.ac.uk/sustainability)

## How Aperio matches the University of St Andrews' sustainability ethos



### Install without drilling

Upgrading a door with an Aperio wireless cylinder or escutcheon is simple, with no drilling or door hardware alterations required. Installers do not have to make multiple return journeys.



### Cut energy consumption

Unlike traditional wired electronic locks, Aperio does not need a permanent, energy-hungry connection to mains electricity. A long-lasting standard battery powers all lock electronics.



### Environmentally conscious manufacturing

ASSA ABLOY is committed to reducing its environmental footprint and help mitigate climate change to meet the needs of future generations.



### ASSA ABLOY's commitment to sustainability

Learn more:





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

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.

## **ASSA ABLOY Opening Solutions Middle East**

### **UAE Office**

P.O Box 37765  
Jebel Ali Industrial Area 1  
Dubai, United Arab Emirates  
Tel.: +971 4 880 4888  
Fax.: +971 4 880 4884

### **Qatar Office**

P.O Box 32522  
Al Qadeem District, Regus Business Center  
1st Floor, Office 109  
Doha, Qatar  
Tel.: +974 4423 1264/65/66

### **Saudi Arabia Office**

P.O. Box 25960  
Abdulaziz Main Road,  
2nd Floor, Riyadh, Kingdom of Saudi Arabia  
Tel.: +966 1141 62075

### **Egypt Office**

P.O BOX 11341  
4A, Shafik Ghorbal St. Roxy  
Cairo, Egypt  
Tel.: +20 1234 75737  
Fax.: +20 2225 78481

[info.me.open@assaabloy.com](mailto:info.me.open@assaabloy.com)  
[www.assaabloy.com](http://www.assaabloy.com)