



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

ASSA ABLOY

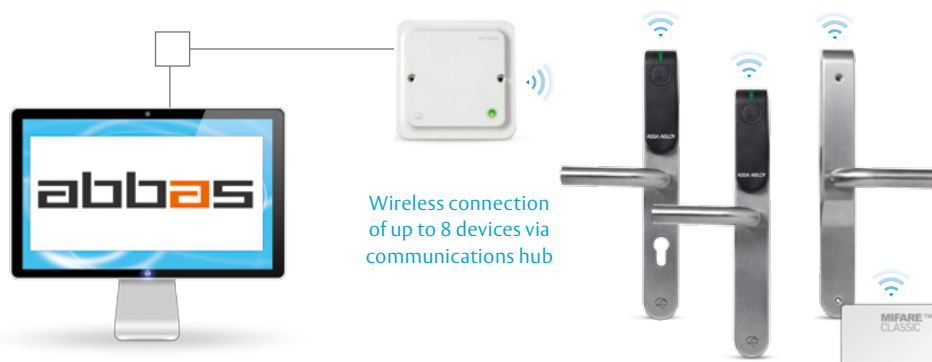
The global leader in
door opening solutions

The Biomedical Center has turned to ASSA ABLOY and Abbas to secure its research and teaching facility



"Our new institute focused on research and development was searching for an access control system solution, which would underpin our philosophy focused on future and modern technologies. At the same time we did not want to lower our requirements for very high security. Aperio® from ASSA ABLOY provided modern solution and high level of security for a reasonable price."

Roman Paveza, Head of Centre of Information Technologies



Company

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 100 Aperio® E100 and
E100 Premium escutcheons
RFID technology: MIFARE

Challenge

The Faculty of Medicine – part of Charles University, Pilsen – carries out specialist biomedical 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.

- 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

ASSA ABLOY partnered with Abbas to install Aperio® wireless lock technology. The facility's new doors are fitted with 100 Aperio® E100 and E100 Premium escutcheons, as well as EL160 electric strikes from ASSA ABLOY. The wireless doors are connected via 1-to-8 Hubs, which allow up to 8 different devices 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 MIFARE RFID technology. The facilities manager can update room access authorisations online and in real time. 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® without wiring doors.