University of Portsmouth

The Project

Type of Site:
Assorted university campus buildings, including student accommodation.

Number of users: doors:
Over 400 secure access points.

Solution required:
MIFARE card readers and integration with wireless locking systems. Disabled access (DDA Compliant) height readers for wheelchair users access.

Products used:
Over 400 TDSi MIFARE readers and SimonsVoss SmartIntego wireless locks.

The University of Portsmouth has an excellent reputation for quality teaching and sustained, high levels of student satisfaction. Boasting 29 teaching departments, the university prides its self on its strong history of results, dedicated careers and recruitment services and impressive graduate employment track record.

For many years, TDSi and its Platinum partner Network Security and Alarms Ltd have worked in close partnership with the university to implement access control systems at its campuses across the city. With the commissioning of a number of new sites, including student accommodation, the university once again turned to Network Security and Alarms Ltd and TDSi to ensure all of its security systems meet the needs of the users and facilities alike.

TDSi
ACCESS EVERYWHERE

Network
security and fire specialists

The Requirements

Having previously worked closely with Network Security and Alarms Ltd and having invested in TDSi's access control systems across its sites, the University of Portsmouth wanted it's new student accommodation to be included in its centrally administered security systems.
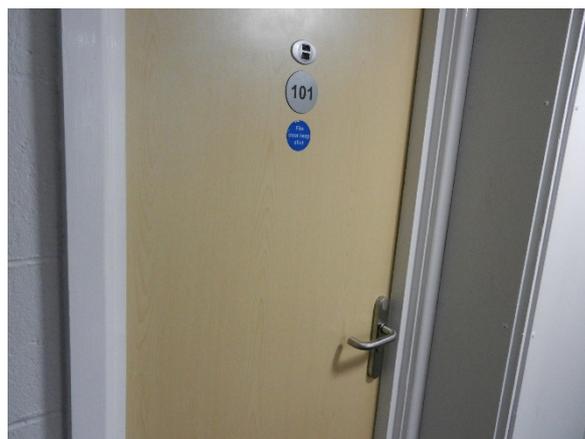
The required specifications called for the continued use of MIFARE technology, which is already used throughout the university due to its versatility. As well as secure access, MIFARE cards are perfect for student identification for other uses such as cashless vending in cafeteria and library facilities etc. The technology also offers a competitive price point and ease of administration/operation by the university security teams.

The latest addition to the university required secure access for student accommodation at the Harry Law Halls and the Bateson Halls sites, which comprise of 283 rooms and 54 individual flats, with additional locks on the shared kitchens. The university required full integration with wireless locks to do this, for ease of use and a minimum of disruption during the installation process and ongoing servicing.

The Solution

Because of the ongoing success of previous installations and inherent integration capabilities, Network Security and Alarms Ltd specified SimonsVoss SmartIntego and the latest integration upgrades to TDSi: s EXgarde security management software. Graham Giles, Director of Network Security and Alarms Ltd commented, "Not only was this the perfect fit with the rest of the security systems, it also presented fully dependable reliability, value for money and (fundamentally) powerful integration capabilities."

Graham Giles added, "SimonsVoss SmartIntego is the perfect wireless locking system for this project. With its flexible installation capabilities, SmartIntego can be seamlessly incorporated into existing building security technology control systems. With auto-configuration there is minimum disruption when the systems are integrated and the radio frequencies it uses ensure a wide, interference-free range for the highest levels of performance and reliability."

SimonsVoss SmartIntego wireless locking system offers a number of benefits. It is the perfect way to integrate electronic instead of mechanical access control into existing buildings systems, based upon flexible interfaces, high performance protocols and open system design. Equally it allows the use of existing IT infrastructure and features simple cable-free and snap-in installation which does not depend on an external power supply or need holes to be drilled : which

is ideal for rental property or on fire doors, where this is prohibited). SmartIntego is also impressive in its operations, featuring a 5-year battery life : covering up to 80,000 activations: and offers low costs for administration and training by using existing software and being highly intuitive to use.

		Name			Door Number	ACU	Fire Door	Outer A...	Inner Ar...	Battery St...	Quality Of Ser...
☐	▯	Door 1			000200	SimonsVoss		Public	Sales	Battery Full	>95%
☐	▯	Door 2			000300	SimonsVoss		Public	Lab	Battery Full	>95%
☐	▯	Door 3			000800	SimonsVoss		Public	Lift Lobby	Battery Full	>95%
☐	▯	Door 4			000900	SimonsVoss		Public	Public	Battery Full	>95%
☐	▯	Door 5			000A00	SimonsVoss		Public	Warrenty	Battery Full	>95%
☐	▯	Door 6			000B00	SimonsVoss		Public	Public	Battery Full	>95%
☐	▯	Door 7			7	SimonsVoss		Public	Public	Unknown	Unknown / <80
☐	▯	Door 8			8	SimonsVoss		Public	Public	Unknown	Unknown / <80
☐	▯	Door 9			9	SimonsVoss		Public	Public	Unknown	Unknown / <80

Toolbar: ▭ Save ✎ Properties ⓘ Events ⚑ Door states 🕑 Schedule ▥ Columns ☑ Check All ☐ Uncheck All

TDSi's powerful EXgarde software oversees all the networked secure access points at 68 sites across the city and includes integration for the CCTV systems, providing the university: s security teams with a complete overview of any security situation. The team can monitor any situation from one central point on their secure device of choice (be that a PC or suitable mobile device). Along with security applications, EXgarde also delivers seamless integration with a range of proprietary and bespoke systems including the university's Schools Information Management System (SIMS), student databases, staff payroll, HR and Time and Attendance.

Network Security and Alarms Ltd has already completed the first stages of fitting the new systems within the Harry Halls facility, with a total of 350 secured doors to be installed and networked with SmartIntego locks. Both Harry Halls and Bateson Halls will be using the same security system, but crucially both are treated as separate entities from the other campus areas by the TDSi EXgarde system. This is to ensure the accommodation administrators for each site only have access to the areas they oversee.

Results

Network Security and Alarms Ltd has already got the Harry Halls installation well underway and a large percentage of the secure access points are already being used by authorised students. By using their personal MIFARE identity: access cards, students are experiencing the benefits of being able to access their accommodation blocks, living quarters and shared facilities easily and with the peace of mind their property is secured. With direct links
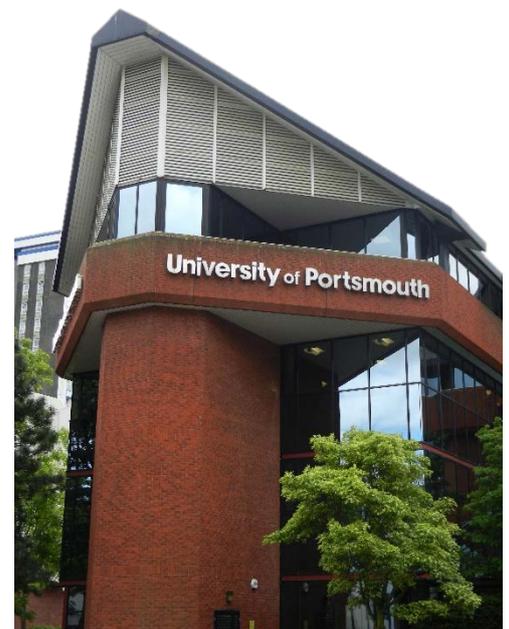
between the SimonsVoss SmartIntego locks and TDSi EXgarde systems, the University's operations team can easily and uniformly modify or limit access depending on the needs/authority of the user(s) concerned.

Equally, the university authorities are able to monitor the access to these secure areas and to identify any potential problems or issues. The security and administration teams can also specify access restrictions (for example to common-rooms, teaching facilities or areas with valuable equipment when not being legitimately used) at certain times or days, to ensure security risks are minimised. The SimonsVoss SmartIntego locks log which users have gained access to a particular place at specific times and lost identity media is instantly blocked (which also means unauthorised key copying is unlikely to be successful).

Additionally, the university's security and administration teams can enable new authorised users quickly and efficiently as well as restricting access to students who have left the establishment – either permanently or for certain periods of time (for example over a term-break). TDSi's systems allow authorised administrators to change security settings, either manually or by set rules, to suit the needs of the university and authorised users of facilities.

Chris Beaman, the Security Manager at the University of Portsmouth commented, "Network Security and Alarms Ltd is a highly trusted security partner and continues to offer engineering excellence and a commitment to deliver these projects on schedule and on budget. This installation ensures our student accommodation sites are well protected and also included in our established security regime. At the same time, the students and staff that use these facilities can do so seamlessly using their existing MIFARE identity cards."

"TDSi's existing systems work directly with the SimonsVoss wireless locks to provide the ideal solution in terms of ease of use, stringent security, value for money and minimal disruption for installation and servicing. Network Security and Alarms Ltd and TDSi has again demonstrated a professional and knowledgeable approach to integrated security using the best products and we look forward to our continued working relationship together in the future."