



Creating a safer environment for education

Proven in schools, colleges and universities worldwide, our integrated systems deliver secure, intelligent and reliable access control solutions

Monitoring and Management at your fingertips

Define which areas staff, students and visitors can access

Seamless Integration with Capita SIMS

No need to enter student information into two systems

MIFARE Smart Cards

Use cards for multiple applications - library, cashless vending, access control

Save Energy

Switch off lights and other facilities when the room is empty

Solutions

TDSi provides a number of products that allow educational establishments to enhance their security systems to realise a wealth of operational benefits.

Intuitive Control and Reporting

TDSi provides fully-featured access management solutions that form the building blocks for medium to large-scale integrated security systems. Particularly suitable for applications in the education sector, these systems can be used to control tens of thousands of users through thousands of doors at multiple sites.

EXgarde access management PC software can be used to seamlessly integrate the many aspects of the security and building management system (CCTV, fire, intruder etc). Using a single database its application modules can be set up, administered and managed from either single or multiple workstations.

- Intuitive Microsoft Windows based Software
- Fully configurable Home Page allows direct access to the exact information that you need
- Client and Server architecture allows multiple workstations to operate from a single database
- Fully interactive site plans provide visual representation and control of the site
- Alarm management provides prioritised alarm handling with alarm response instructions



Integration with School Information Management Systems

EXgarde's integration pack provides the ability to integrate seamlessly with existing systems. It can provide and receive event and personnel information from third party security and information management systems – including Capita's SIMS and Gladstone's On-Record education systems – ensuring data across applications is consistent and up to date, reducing the risk of data inaccuracies as well as the cost of entering the same data into multiple databases.

- Directly links the school information management and access control systems
- Creates the access control account automatically when creating the student record on the information management system
- Saves time and increases throughput
- Reduces the possibility of data errors through mis-typed information

Smart Credentials Provide More than Just Access Control

TDSi uses MIFARE® smartcard technology to deliver a number of card and reader options to suit the specific requirements of different applications. TDSi MIFARE® readers are available in reader and reader plus keypad formats where dual verification may be required.

Whilst delivering high levels of security to educational establishments, the use of MIFARE® technology may be extended to incorporate additional functionality – for example cashless vending and library services.

- Increase the site security using the proven MIFARE® smart card technology
- Use the card for multiple applications – access control, cashless vending, canteen and library to name a few
- Full range of card readers and combined reader and keypads available, all suitable for mounting both inside and out
- Configure the readers to use custom keys for ultimate security
- Use the programming station to programme your own cards

Successes

Portsmouth University

The University of Portsmouth is one of the UK's most respected modern universities and home to around 3,000 staff and 19,000 students. As part of a major redevelopment programme, the University recently decided to upgrade its complete access control system to a 'Master and Slave' arrangement, connected via TCP/IP to a central server and with three separate client workstations. However with around 400 readers to replace and over 22,000 card holders to migrate, the change took place over a planned period, meaning that the legacy and replacement systems are required to work in parallel.

To meet both the University's ongoing operational and security needs, as well as the requirement for seamless migration, TDSi's smartcard technology was selected, with the company's MIFARE readers and cards, EX series network controllers and EXgarde software management system specified. This solution effectively accommodated both legacy and new systems, with cards incorporating both Magstripe and MIFARE technologies issued to staff and students, allowing the University to manage the transition to the new system in manageable phases.



Sheffield Schools



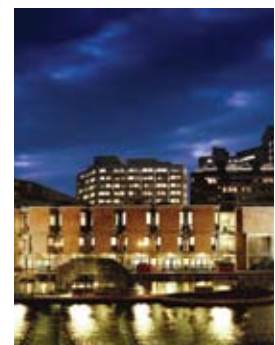
Three brand new schools in Sheffield - Silverdale, Newfield and Talbot - all of which opened in 2009, are benefitting from TDSi technology. Working closely with facilities management company Vinci Facilities, TDSi installed a complete access control system which included MIFARE® readers, MICROgarde 1 and 2 controllers and EXgarde management software. With staff and pupils at each school using the access control cards, the additional functionality of MIFARE® is also being progressively rolled out to provide cashless catering and library card services.

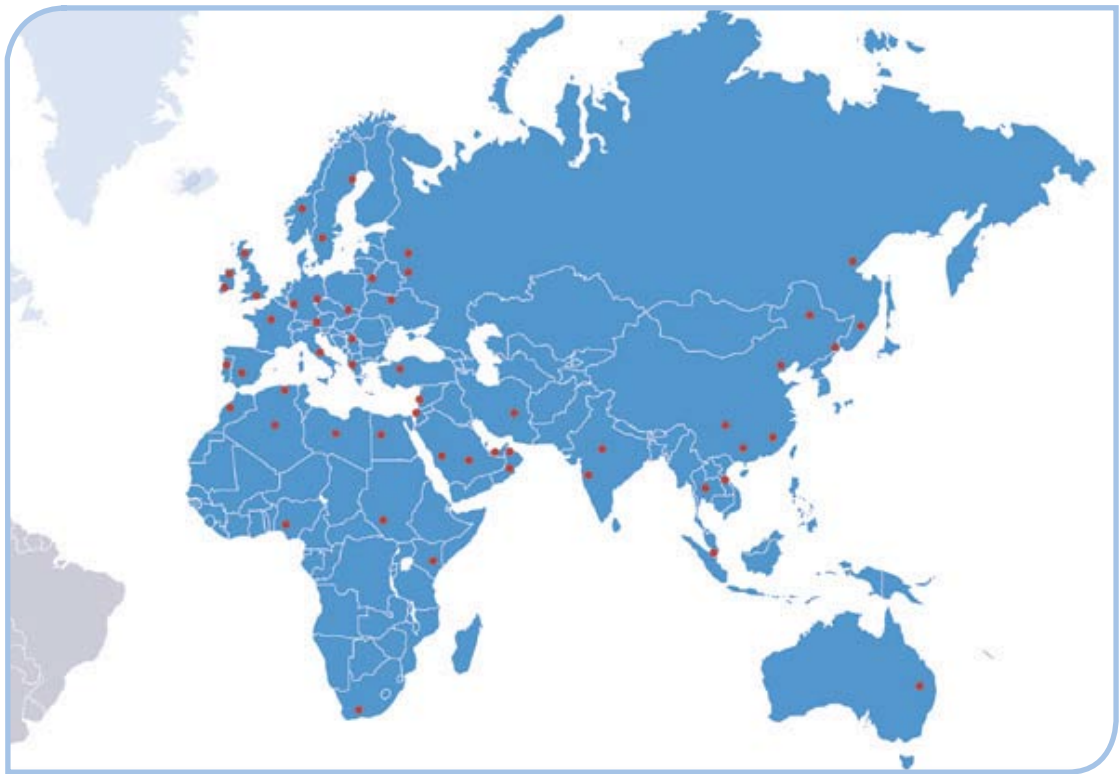
At Silverdale School, TDSi's Fusion software is also being used to integrate with the School Information Management System (SIMS) which holds pupils' information records. This allows single data entry for both systems, with for example information on free-school meals populating the MIFARE® cashless catering data. The system also allows groups to be established (for example sixth form pupils, staff, or science students) - each granted access rights to specific areas of the school within prescribed time frames.

Guildhall School of Music and Drama

Working with system installation specialists Frontline Security Solutions, TDSi equipment has been installed at the Guildhall School of Music and Drama in London, providing an upgrade to the TDSi access control system that was first implemented in 2005.

80 MIFARE® sector readers have now been installed, replacing the original Magstripe system. The sector cards are programmed in-house by the School, and are being used for access control as well as progressively for cashless vending, library services, photocopying and printing by the 2,000+ students and staff, delivering true smart card functionality. In addition, the latest release of EXgarde (Version 3) has also been installed, together with TDSi's CCTV/ DVR and Fusion integration modules. Fusion allows the access control database to link directly with the School's enrolment database, enabling live, dynamic data entry to be achieved directly with EXgarde and eliminating the need for duplicated data entry.





With over 20,000 installations across 30 countries, in excess of 1 million users benefit from TDSi's access control systems every day.

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TDSi has over 27 years **experience** developing, manufacturing and delivering innovative, reliable and cost effective **integrated** security solutions for applications across the world.

TDSi are continually researching and developing high performance solutions for the protection of your people, information and assets. We listen to and work closely with our clients to ensure that the solutions and products that we supply meet the demanding and specific needs for these applications.



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