



## Latymer School

**With the very highest educational standards, Latymer School required a high security solution to control access to the school site and building. Having installed a state-of-the-art fibre optic network, the school required a complete IP access control solution to complement existing infrastructure.**

To meet this requirement Latymer School opted to install the industry renowned CEM AC2000 security management system.

A complete IP solution was provided with the AC2000 security system design including the innovative CEM DIU 220 (Power over Ethernet Door Interface Units), CEM IP intelligent MiFare card readers and smart cards. The system was successfully installed by ADT.

## CASE SUMMARY

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**Location:**

London, UK

**Systems Installed:**

AC2000 access control

**Hardware Installed:**

CEM DIU 220 (Power over Ethernet Door Interface Units)

EtherProx readers

## Introduction

Latymer School is a selective grammar school for boys and girls aged 11 to 18. Established in 1624, the school aims to provide a broad and stimulating educational experience with very high standards. Situated in Hammersmith, West London, UK, the prestigious school features many listed buildings and includes a 'Great Hall' and state of the art technology, science and specialist ICT rooms.

## Solution

### Advanced IP card readers

CEM EtherProx readers are the industry's smallest intelligent Ethernet card readers. With a keypad for optional PIN security, an LCD display to show reader outcome messages and an internal database for offline card validation, the readers uniquely offer intelligent decision-making at the door, even in the unforeseen event of communication being lost to the AC2000 host server.



The IP readers used by Latymer School feature MiFare smart card technology and ensure the highest possible level of security as they uniquely continue to operate at all times.

### **Complete IP solution**

Using CEM EtherProx card readers and the CEM DIU 220 (Door Interface Units) within the security system design offered Latymer School a complete IP solution.

The DIU 220 takes advantage of Power over Ethernet (PoE) technology and combines Ethernet communications and sufficient power to reliably support a complete door set, including an In/Out EtherProx reader and a standard 650mA maglock, over a single Cat 5 cable. This eliminated the expense of bringing mains power to the door and allowed Latymer School IT department to simply allocate an IP address for the Ethernet card readers.

Taking advantage of connectivity via Power over Ethernet allowed comms and power from the DIU 220 to connect directly to the central communications room. With the DIU 220 also allowing the use of the schools existing fibre optic network, this eradicated the requirement for unsightly cabling that would detract from the 'look and feel' of the schools prestigious listed buildings. Furthermore, with the DIU 220 installation classed as low voltage the school was also spared the expense of an electrical contractor.

Two key areas where the school benefits are the manager's office and the IT room. With the specialist ICT suite containing over 200 modern PC's, the access control functionality has the benefit of not only protecting staff and students but also vitally protecting the school from the rising threat of theft and vandalism.

### **Innovative security for innovative school**

The CEM AC2000 system using DIU 220 offered Latymer School an innovative solution. Having also opted for MiFare smart cards, the school has embraced the increasing trend towards a system with a 'one card' identity solution for both access control and school management such as cashless vending etc.

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