One Albert Quay

One Albert Quay, designed to Gold LEED standard, is the most significant new office development in Cork City Centre in many years. It sets new standards in terms of design, scale and efficiency for both national and global companies.

In 2016, One Albert Quay became the new global headquarters for Tyco. Tyco, will employ over 500 people there working in sourcing, procurement, research, development, information technology, compliance, HR and finance.

Billed as Ireland's smartest building, Tyco Security Products provides the best in class security solution. CEM Systems' AC2000 security management solution is the access control system for the building, supported by emerald intelligent access terminals and sPass readers to control key doors, lifts, car parking access and much more. American Dynamics victor provides a unified video management solution for the One Albert Quay building, supported by a range of VideoEdge and Illustra cameras.

CASE SUMMARY

Location:
Cork, Ireland

Systems Installed:
AC2000 security management system
American Dynamics victor – with AC2000 integration

Hardware Installed:
emerald, intelligent access terminals
sPass readers
American Dynamics VideoEdge NVRs – Fixed and PTZ
American Dynamics Illustra

Innovative Access Control.

In this truly showcase building all critical systems from lighting, heating, power, access control, video, fire detection, fire suppression and more are all connected through the Tyco On platform. Tyco On is a Smart Services analytics platform that is uniquely designed to connect discrete systems integrate multiple data sources, and reveal insights that enable you to make better, actionable decisions to improve performance.

Problem

From the build right through to operation, One Albert Quay and Tyco needed a solution that would ensure the highest levels of security on the site. In addition to managing the security aspects of their global headquarters, Tyco wanted the One Albert Quay building to be a showroom for Tyco technology.

Solution

From the construction phase of One Albert Quay through to the development and opening of this smart building, CEM Systems provided a range of security technologies that go beyond access control to ensure the highest levels of security, safety and convenience for all employees.

AC2000 is deployed as access control for the whole One Albert Quay building, used by all tenants including Tyco. AC2000 is a powerful access control and security management system. Successfully installed at some of the largest facilities around the world, AC2000 provides a highly stable, proven solution for installations where security is of paramount importance.

emerald, intelligent access terminal
emerald terminals are installed throughout the Tyco offices and in the main lobby of One Albert Quay, ensuring access to the building for only authorised employees and visitors.

emerald is an edge terminal that provides the highest levels of access control. A reader and controller in one device with a range of features including a built-in VoIP intercom, 4.3" LCD touch screen and a range of door modes and Remote Applications, emerald goes beyond access control to help improve operational efficiency. emerald Remote Applications enables additional functionality to be available directly at the door; features such as Time & Attendance, Room Booking, Advertising Display, Personalised Messages, Entry Checklist and many more.

Biometric Security

emerald TS300f is deployed at secure R&D areas in One Albert Quay, adding an additional layer of biometric security in these areas. emerald TS300f is a controller, advanced IP card reader and single biometric solution all in one that meets the requirements for three-stage identity authentication; card, PIN and biometric security, with all the features and functionality of the emerald terminal.

Smart Safety System

During the construction phase of One Albert Quay, the Entry Checklist feature on CEM Systems' emerald terminal provided additional onsite security and promoted Environmental Health and Safety policies. emerald Entry Checklist provides an additional layer of verification at an entry or exit point, by ensuring that card holders respond to a series of up to five questions before the door will open.

At the One Albert Quay site, Entry Checklist was used to ensure that all construction workers had correct permits and training before entering the site.

Smart Lift System

The smart lift system at One Albert Quay is centrally controlled with AC2000 access control and emerald terminals, and integrated with Schindler Lifts. When an employee or visitor swipes their access control card on the emerald terminal, this buttonless lift system uses automatic location choice depending on the users' access control privileges. The smart lift system then automatically brings the card holder to the floor they are working. This is a fast and efficient system, with zero latency between systems and enables energy harvesting.

Smart Room Booking System

The emerald intelligent access terminal and AC2000 Room Booking application is also used to book meeting rooms throughout the Tyco headquarters. This is a smart, quick and convenient way to ensure the maximisation of meeting rooms space and room allocation. The AC2000 Room Booking application is integrated with Microsoft Outlook®, enabling users to easily create and edit meeting room bookings through their Outlook calendar or directly at the door on the

emerald terminal. Room bookings are automatically verified through Microsoft Outlook, and the status of the meeting room is clearly visible through the colour-coded emerald screen.

More Smart Integration

Incorporated into the AC2000 system, the Bike Counting system enables the capture of information on how many bicycles enter and leave the building on a daily basis as part of Tyco Smart Building initiative.

Integrated with car park barrier, automated gate and intercom, AC2000 also provides full access control at the One Albert Quay carpark.

AC2000 is fully integrated with a range of wireless locks installed throughout the One Albert Quay building, providing cost-effective access control on all doors and server room racks.

The Cashless Restaurant system is fully integrated with AC2000. This means that an employees' AC2000 access card acts as their wallet, and that no cash is needed on site. This encourages people to use their access card and reduces any security risks of cash on site.

AC2000 is also fully integrated with American Dynamics victor, allowing access control alarms to be sent to the victor unified video solution, where they can be associated with video actions. Additionally the AC2000 victor interface allows control of AC2000 devices from within the victor unified client, support access control features such as remote door lock/unlock and remote short door open.

Future Proof

One Albert Quay and the Tyco Headquarters have a truly innovative and future proof security platform from CEM Systems that provides resilient access control, improves user experience and enhances operations.

CEM SYSTEMS
From Tyco Security Products

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