Port of Cork Company

The Port of Cork is the principal port on the south coast of Ireland, close to the major shipping lanes to Northern Europe with a cargo throughput of 9.8 M tonnes in 2004. It is Ireland's premier trading port to continental Europe with ultra-modern facilities handling all modes of traffic such as crude and refined oils, containers and ferry traffic. Employing over 100 full-time staff it is not only a generator of economic activity but is also a significant catalyst for economic development with total contributions on goods and services of €230 million to the Irish economy.

Over the past three years, the Port of Cork Company has been progressively improving safety and security throughout its sites. As part of this progressive strategy, the Port of Cork Commissioners decided to implement an advanced and fully integrated security management system. To meet this requirement, CEM Systems supplied its AC2000 SE (Standard Edition) system which was installed as part of a major contract awarded to ADT Fire & Security. The CEM AC2000 SE system is

CASE SUMMARY

Location:
   Cork, Ireland

System:
 CEM:
   AC2000 SE (Standard Edition)

supported by ADT's CCTV system and intercom network, offering a complete security management solution.

Safeguarding the workplace…

The AC2000 SE system has been safeguarding many high security facilities for many years. Ideal for ports, AC2000 SE provides great flexibility and stability with advanced access control and ID badging that enabled Port of Cork authorities to satisfy requirements under the International Ship and Port facility Security code (ISPS). "AC2000 SE proved an ideal system to enable our port facilities to increase security conditions in response to the ISPS code introduced in 2004," commented Captain Pat Murphy, Alt. Port Facility Security Officer at Port of Cork Company. "AC2000 SE is responsible for access control at six port sites, securing the many buildings and cargo areas across the vast harbour estate," Murphy continued.

Safety benchmark…

As a progressive company striving for best working practices, the Port of Cork Company is also using the AC2000 SE system to aid the compliance procedures for the International Port Safety and Environment Protection Management code (IPSEM). As a non-mandatory code covering the safety and environmental management of port terminal operations, the Port of Cork is proud to have recently received full compliance and certification status. As a port with unique needs, the integrated security system also offered the Port of Cork solutions to meet requirements such as remote monitoring, identity pass production along with the requirement for minimum disruption to port operations.

Monitoring remotely…

As a large port with facilities spread out over 15 kilometres, the Port of Cork clearly required remote monitoring. The AC2000 SE system provides the Port of Cork authorities with a central control point, with maximum coverage achieved across the facility using CEM InfoProx and EtherProx intelligent card readers. A pivotal component in securing the various areas of the port, the EtherProx reader uses an Ethernet connection to extend the access control system to remote buildings. It's an easy and cost effective alternative to running dedicated serial cables or installing intelligent control panels in the system design. This was particularly useful to the Port of Cork as the estate has sites that are more than 10 miles apart. With an onboard database, the CEM card readers provide intelligent decision-making at points of entry, ensuring that even if host communication is not available the reader will still provide access control storing over 150,000 cardholder details and transactions offline. Port operators can now monitor movements within the port's grounds remotely.

Pass production…

With over 1000 cardholders initially, the AC2000 VIPPS system provides Port of Cork with the facility to design and print professional security passes, incorporating personnel images, company logo, individual signatures as well as other associated information. Only authorised cardholders can access monitored buildings and checkpoints throughout the Port including Cork Custom House, the historic Port of Cork head office built in 1818.

Minimum disruption…

ADT carried out all engineering and electrical work prior to the installation of the CEM AC2000 SE system. Working in collaboration with CEM the project was therefore centrally controlled at all stages eradicating

complicated chains of communication. Using CEM's extensive knowledge and know-how the implementation of the AC2000 SE system was timely and with minimum disruption.

Future adaptability…

With the city of Cork being designated as the Primary Gateway to Ireland outside of Dublin and the Port of Cork having already experienced sustained growth, the port is poised for even further, rapid expansion of its activities. The AC2000 SE system has the capability to be adapted as the Port of Cork's needs evolve over time - whether these result from new legislation or future action by Port of Cork Commissioners.

"AC2000 SE proved an ideal system to enable our port facilities to increase security conditions in response to the ISPS code introduced in 2004. AC2000 SE is responsible for access control at six port sites."

Captain Pat Murphy
Alt. Port Facility Security Officer,
Port of Cork Company