Central Bank of Nigeria

CEM Systems and CEM Approved Reseller, Pentagon worked closely with the Central Bank of Nigeria (CBN) to provide a highly secure and fully integrated access control and security management solution that could be rolled out to offices across Nigeria, and could also be scaled to meet the current and future needs of the Bank.

CEM's AC2000 access control and security management system is used along with CEM hardware including S610e intelligent card readers and S610f fingerprint readers. CEM S3030 portable readers also provide CBN with both biometric and mobile security to enhance security at sensitive areas throughout the bank.

CASE SUMMARY

Location:
Various, Nigeria

Systems Installed:
AC2000 access control system
AC2000 AED (Alarm Event Display)
AC2000 VIPPS (Visual Image and Pass Production System)
AC2000 WEB Visitor Management
AC2000 Failover
Integration with Bosch video system

Hardware Installed:
CEM S610e intelligent card readers
CEM S610f fingerprint readers
S3030 portable card readers

Card Holders:
10,000+ card holders

Introduction

The Central Bank of Nigeria (CBN) is charged by the Federal Republic of Nigeria with the overall control and administration of the monetary and financial sector policies of the Federal Government. CBN objectives include ensuring monetary and price stability, issuing legal tender currency, maintaining external reserves to safeguard the international value of the legal tender currency while acting as a banker for the Federal Government and promoting a sound financial system in Nigeria.

Solution

Undertaking the responsibility of securing CBN offices across Nigeria meant ensuring a highly reliable and flexible solution was installed.

"CEM's AC2000 was chosen because it is a powerful and fully integrated security management system, offering access control, alarm processing, photo badging, power management and integration to third party systems. CEM are also able to provide fully integrated biometric solutions such as the S610f fingerprint reader meaning CBN can efficiently increase security levels at required areas".

Edward Van Trotsenburg
Export Manager, Pentagon.

Hardware

The S610f is a fully integrated fingerprint card reader. Featuring a controller, advanced IP card reader and single biometric solution all in one device, the S610f meets requirements for three stage identity authentication including card, PIN and biometric verification.

This three stage verification can be activated if the bank believes there is a security threat and wants to heighten security within the building. To increase efficiency and speed through the door when there is low risk, security personnel can change to card only rather than card, pin and biometric.

Pentagon also deployed a number of S610e multi technology, intelligent IP card readers which give full off-line validation and decision making at the point of entry, even when host communication is not available. The S610e also features a keypad and backlit LCD which provides meaningful messages to cardholders for example Wrong Time Zone, Lost/Stolen Card and Access Granted.

Additional hardware also includes the S3030 Portable reader that can be used for ID card validation at temporary entrances which have no power, and can be used as a mobile device for random checks within predefined zones. The display of cardholder details on the reader such as Name, Date of Birth, Job Title and also cardholder photograph, allows for visual verification of cardholders.

Software Integration

CEM AC2000 provides an advanced level of integration using industry standard interfaces to link to third party systems including video, intrusion, perimeter detection and much more. CBN required the AC2000 system to integrate with Bosch video interface in order to control video and access via one solution. If an alarm event contains associated video footage, a CBN security guard can access the footage within the AC2000 AED (Alarm Event Display) which will enable a real time DVR viewer.

AC2000 VIPPS (Visual Imaging & Pass Production System) allows CBN administrators to produce professional and customized, permanent or temporary ID passes for staff and visitors.

CBN also utlize CEM's AC2000 WEB Visitor Management application which provides a powerful web based tool to control and monitor visitor access from any location. This is a cost effective and efficient way for multiple users within a facility to manage visitors without having dedicated access control software installed.

To meet the requirement for minimal downtime on site, CEM's AC2000 Failover was selected to create a secondary server that can take over from the main server in the event of system failure. The switch between the two servers is automatic and results in zero data loss, with notification of the event being sent to system users and administrators immediately.

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