



Dubai Ministry of Civil Defense



The UAE Ministry of Interior, Department of Civil Defense maintains sensitive and highly confidential documents relating to the government's security and personnel. Documents are stored in five file rooms and are frequently required by Ministry officials for performing work functions.

Problem

Chain-of-custody and file tracking needed improvement, including the ability to determine the exact location of all documents at all times. There were no security mechanisms implemented to prevent documents from leaving the building undetected. The UAE's Civil Defense sought a solution to track and secure physical files and to provide seamless electronic document management.

RFID Document Tracking & Security System



Solution

Selected Virtual Doxx Corporation to implement SmartTraxx for document accountability, security and digitization. RFID detection zones track files and prevent unauthorized files from leaving the building. Includes features for attaching electronic documents to the SmartTraxx database for document viewing, revision, email or print.

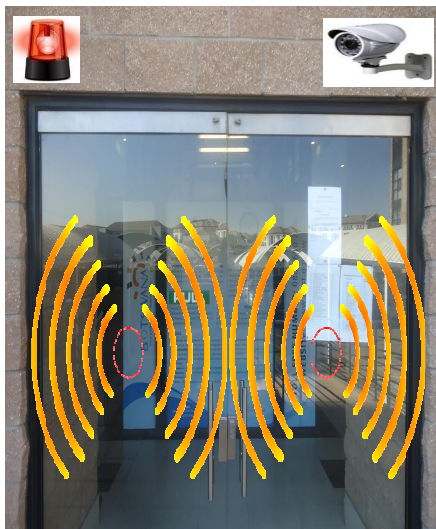
Virtual Doxx and Civil Defense in Dubai

Electronic Documents



Physical File Tracking and Electronic Document Management

Doorway Security Zones



Hallway Detection Zones



Portable Scanner



Implementation

Virtual Doxx SmartTraxx was implemented turn-key including software, hardware, RFID tags and training, including the following capabilities:

- Enterprise-class database software was implemented with Arabic GUI (graphical user interface)
- Two entrance/exits are equipped with RFID antennas that trigger network-connected alarms and flashing lights with text and email messaging to alert security personnel if a file is detected at an entrance/exit
- Two file rooms each are equipped with motion sensors and RFID antennas at the file room doorways to track files going IN or OUT, the person moving the files and time/date
- The doorway to archived files is equipped with motion sensors and RFID antennas to track the archive boxes and folders in the archive boxes IN or OUT of the archives storage
- The headquarters facility is two floors and 6 RFID detection zones were installed on each floor, 12 detection zones total, for real-time tracking of files moving around the facility
- 8 high-traffic work areas have USB-connected RFID detectors installed for real-time tracking of files in key work areas
- A portable RFID scanner was implemented to periodically inventory and find files
- SmartTraxx electronic document module was implemented with document scanner to scan documents and attach documents to the SmartTraxx file tracking database for view, email and print

Technology

- Local Windows Server with Windows OS and MySQL database
- Workstation computers include XP, Win 7 and Win 8 with Java 6 and Java 7 and a range of browsers