



Saudi Arabia Royal Guard



Armory Management & Security Weapons, Gear, Ammo Tracking



Weapons, Gear, Ammo Registry
 Personnel Validation
 Track Issues and Returns
 Prevent Unauthorized Removals
 Rapid Armory Inventories
 Document Weapon Repairs

Weapon Tracking and Security System

Challenge

The Saudi Arabia Royal Guard Regiment's primary mission is protecting the House of Saud, with direct communications with the King of Saudi Arabia. With growing tensions and threats in the Middle East, the Saudi Royal Guard sought to enhance the accountability, custody and security of its weapons across an extensive number of mobile and stationary armories.

Solution

The Saudi Royal Guard (SRG) selected Virtual Doxx Corporation's ARMS Armory Management System to establish a computerized registry of weapons, gear and ammunition, with emphasis on tracking issues and returns and preventing the unauthorized removal of weapons from armories.

System Components

- Installed J2EE ARMS database management system on Windows server and SQL-SVR database
- Configured ARMS software to SRG's exacting data, workflow, accountability and reporting requirements
- Installed modern weapon racks to optimize the capacity of weapons, gear and ammo within armories
- Implemented touch screen monitor for PIN # entry and photo-display on armory monitor to validate personnel
- Installed RFID shelf antenna at armory issue/return window to passively track weapons, gear and ammo
- Installed RFID portal at armory exit linked to alarms and flashing lights to prevent unauthorized weapon removals from armory
- Implemented portable RFID scanner for rapid armory inventories and to FIND needed / missing items

Personnel Validation, Weapon Accountability and Armory Security

Armory Security Portal

- Armory exits are equipped with stand-up portals and/or freestanding hardware including reader(s), antennas and motion sensors to automatically track personnel and weapons entering or existing the armory
- Each weapon exiting the armory is detected by the RFID antennas at the exit and the location and weapon tag(s) detected is immediately adjudicated by the ARMS database and applicable business rules
- An IP-connected alarm / flashing light device is installed within the armory which is automatically triggered if an unauthorized removal of weapon(s) occurs
- Each security breach also creates an alert within ARMS software and triggers email / SMS text alerts to designated personnel
- The breach is also stored as an audit trail record, including location, weapon(s) and time/date, which can be adjudicated against matching video camera time / date footage



Mobile Armory with Weapon Racks

- Outfitted container with specialized weapon racks for high density storage of weapons, gear and ammunition
- Installed RFID Issue / Return window
- Implemented RFID detection and security zone at the container/armory exit
- Armory container is pulled by truck cab to establish 18-wheel mobile armory that can be driven to security points as needed and when land-based armories are not in proximity of areas requiring security



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