

## Market View: Cash-in-Transit Armored Vehicles

### *Addressing Safety, Security and Efficiency with One Solution*

#### **The Challenge**

Essentially 'safes-on-wheels', cash-in-transit armored vehicles are subject to a number of risks that can compromise not only the security of the safe contents but also the personal safety of the driver and crew. These risks are of significant importance to cash-in-transit armored vehicle companies for a variety of reasons ranging from human resource issues to insurance.

#### **Crew Safety and Security**

An obvious measure against risks to safety and security is to ensure that drivers and crew members receive extensive training so that they are prepared to handle potentially dangerous situations such as hold-ups, robberies, hostage takings, hijacking and more. Additionally, highly specific and standardized policies and procedures help to prevent these types of situations from occurring.

Visual Defence offers a complete solution that complements the high-level of driver and crew training and existing policies and procedures to bring safety and security to the next level. Visual Defence connects various security devices including cameras, motion sensors and panic buttons (on-board and remote) to an on-board Mobile Gateway System (MGS) which in turn transmits these events via a cellular network to a central command centre.

#### **Complementing Existing Operations**

The events that are transmitted to the central command centre are highly customizable so that they effectively complement existing policies and procedures. For example, a policy may state that the engine of the armored vehicle should never be shut off. To



complement and enhance this policy, Visual Defence can connect an ignition sensor to the MGS so that the central command centre is notified when the vehicle is shut off and can take appropriate action to ensure the safety of the on-board crew.

Additionally, algorithms based on geographical information can be programmed into the MGS. For example, if a vehicle has 45 scheduled stops, each stop, and the route to each stop, can be "geo-fenced" and programmed into the MGS. An algorithm is then built which will compare actual vehicle location information from a built-in GPS tracking device with the scheduled location. The central command centre is then notified of any discrepancies and can follow-up with driver and crew and/or can continue to track the location of the vehicle.

The functionality of the MGS is extensive. Sensors can be installed to detect a nearly endless list of events and situations including but not limited to, seat-belt sensors, seat sensors, roll-over detection sensors, aggressive-breaking sensors, speedometer sensors and rpm sensors. These sensors cover security threats as well as threats to safety resulting from events like accidents or speeding and can provide companies with necessary information to investigate and follow-up.

Visual Defence can also significantly reduce the risk of theft by organizing the vault into compartments. At each stop, only the compartment that corresponds with that particular stop's delivery is able to be opened. In the event of a hold-up, the thief would only be able to take the delivery for the particular stop, greatly reducing loss.

#### **Beyond Security**

The information obtained by the MGS and transmitted to a central command centre has uses beyond safety and security. Particularly, armored vehicle companies can use this information to continually improve operating efficiencies. Information from the MGS gives companies the ability to make scheduling and routing adjustments, monitor the health of their fleets, evaluate employee performance and update policies and procedures. These improvements are ultimately the driving factors resulting in an overall increased return-on-investment.

The MGS is a single customizable and integrated solution to address safety, security and efficiency. The MGS provides companies with the required information to enhance safety and security by reducing the risks frequently encountered by armored vehicles personnel while also using that information to drive operational efficiencies.