Axxon Intellect Enterprise in the core of comprehensive security solution for Serengeti Golf & Wildlife Estate

Intellect

THE CORE OF CUSTOMIZED
COMPREHENSIVE SOLUTIONS

Client

Serengeti Golf & Wildlife Estate is a 10-minute drive from OR Tambo International Airport (ORT). With the importance of global trade and logistics playing an increasing role in the choice of location both for tourism and for the place of primary residence, the significance of the international airport and Serengeti's proximity to it cannot be over-emphasized.

There is an ever-increasing need for a secure environment that can provide peace of mind when you are either away or asleep, which means that security is of utmost importance.

Challenge

The area is situated close to the highway, which makes it a prime spot for intruders to access and have a quick getaway. The perimeter fencing serves as a deterrent, but 24/7 security is vital. Guards patrolling the perimeter fencing can only be in one area at any given time. Video surveillance including thermal imagers is therefore needed in all the areas surrounding the estate.

Entrances at the main gate and the Clubhouse areas should also be watched by both guards and cameras for access control and security, with panoramic cameras for general security and LPR & biometric combo solution for access control. Residents' biometric credentials should be matched to LPR to allow easy access for authorized persons and stop any unregistered user from leaving with resident vehicles.

Existing cameras need to be noted.

Solution

To address the major concern of unwanted access around the perimeter and to also allow ease of access for residents, the client installed Axxon Intellect PSIM software including the Auto Intellect system with on-server LPR from CARMEN. Understanding the needs of the client and the need for an open platform PSIM product due to the existing hardware, Axxon Intellect provides a platform to allow easy integration with current cameras and new High Definition PTZ's and box cameras. Intellect supports on-camera analytics and sends alarms from cameras and thermal imagers to a third-party online occurrence book.

Auto Intellect provides the client with ease of access for residents at gates. Each vehicle the resident owns is registered with the biometrics on the Access Control System integrated into Axxon Intellect. This is used to match the LPR data and fingerprint and open the gates, or deny access if the license plate number is not registered to the person driving.

Intellect is installed on over 5 Servers with 220 cameras on site monitoring the entire estate.

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Results

Installing the Axxon Intellect solution permitted the client to use existing camera hardware and integrate newer equipment. Thanks to thermal analytics integration, Axxon Intellect secures the perimeter, allowing for less physical guarding. Access control integration, in combination with LPR technology, allows easy access for residents and total security for residents' vehicles.

Software	Axxon Intellect Enterprise PSIM platform
	ACFA Intellect (Access Control, Fire and Intrusion Alarm module)
	Auto Intellect (LPR system with CARMEN engine)
Hardware	**Servers:** Dell R720XD, CAPSULE DR1630
	Encoders: Axis
	Optical cameras: Samsung, Panasonic
	Thermal cameras: Bosch VOT with edge analytics (IVA)
	Access Control: Impro