Seamless ANPR Integration

Automatic Number Plate Recognition (ANPR) based Access Control System including Queue-Time Monitoring Module implemented at the Ras Laffan Port Expansion Project (RLPEP)

Traffic Tech (Gulf) has completed the installation of 20 lanes of ANPR based Access Control System including Queue-Time Monitoring Module on the two Main Gates of the Ras Laffan Port Expansion Project. The project, commissioned in November 2011, was executed by Traffic Tech through a subcontract agreement with the main contractor, Olive Group FZ LLC.

The unique feature of the system is its seamless integration with three other different systems installed at the same location, namely: Honeywell Prowatch, AS&E Screening System and Pelco CCTV System.

The system is integrated with a very popular choice of Security and Access Control Solutions. Integrated with the Honeywell ProWatch, the ANPR System avoids duplicate data entry for white and black listed vehicles and gets all the information from the corporate Prowatch System. It also provides relay contacts to the ProWatch access control devices to regulate access to the facility based on ANPR results.

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The ANPR System is also integrated to the AS&E Vehicle Screening System. It provides the screening system information of each vehicle tagged by the guards for screening. This process helps the screening system capture and store license plate information for each screened vehicle eliminating the need to have its own ANPR cameras.

Last but not least, the ANPR System is also integrated with the Pelco CCTV surveillance system. The integration was an economical approach as the video feed from the CCTV system is utilized by the ANPR system to capture overview images of each vehicle and saves them as part of the ANPR's transactions. This setup eliminates the need for additional overview cameras for the ANPR.

All of these integration help the end user make use of each system efficiently by synchronizing all three systems to share information and provide the user with a single platform to access all relevant details of each vehicle going in and out of the facility.

In addition to automatic number plate recognition, the system is also equipped with a Queue Monitoring Module. Additional ANPR Cameras, installed on the two main roads approaching the Security Gates, count the travel time of each vehicle from the gate's approach until the vehicle passes the queue.

Other than identifying license plate numbers, another distinct feature of the ANPR system is its capability to also identify plate categories and the plate's country of origin. This helps the end user distinguish the identity of vehicles coming from overseas and categorizes them by plate type (e.g. private, transport, diplomat and others).