

Application Note

Gating Solutions

GATING SOLUTION



OVERVIEW

Large industrial compound like harbours, electricity sites and waste dumps have strict requirements when it comes to whom can access the area, monitor the whereabouts of the vehicle when in the area and analyse and direct the traffic flow. TagMaster's RFID long distance readers and ANPR cameras are very suitable technologies to provide secure access and to monitor and analyse the whereabouts of vehicles in large industrial sites.

To ensure a successful operation of these sites it needs to:

1. Control secure access to the area
2. Monitor and control the whereabouts once the vehicles have entered the compound
3. Provide an efficient traffic flow through timely and correct allocation of the vehicles
4. Efficient time logging of the vehicles arriving, waiting and leaving the area

HOW WE HELP

Entry Access Control

With unmatched speed and accuracy, the TagMaster's ANPR cameras read all incoming and outbound traffic, for automatic identification of trucks, containers and trailers. At the same time all vehicles are identified with TagMaster superior RFID readers which will read vehicles coming and leaving the area within 14m range. The readers capture secure data from passing tags and authenticates that it is a valid TagMaster tag. This data is forwarded along with camera images of license plates to a software hosted on a local server.

Flow Allocation

With TagMaster's long distance readers, trucks whereabouts are being monitored and direction for trucks (lane, terminal, etc.) are allocated based on trucks being identified within the compound. This enables a secure and efficient flow of traffic within the compound.

Monitoring Traffic Flow

Efficient handling of resources is secured with the camera software which comes with numerous useful analysis tools. Statistics can show the busiest time periods during the day and support planning and staffing. The software can also report dwell times of incoming trucks, which can be used to optimise the efficiency of traffic and report waiting times.

PRODUCTS USED

XT-series of readers and passive ID-tag/cards

LR-series of readers and ID-tags

ANPR Cameras

JMS software