TOTEM

eagleOwl

**TRAFFIC
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TRAFFIC SAFETY SYSTEM

ALLIANCE
TRAFFIC SYSTEMS

Developing Cities Smarter Than Ever

TRAFFIC SAFETY SYSTEM

The development of modern cities through safe and smart road networks which form the cornerstone of building smart cities. With the availability of innovative ideas and the right investment of the latest technologies, we provide a sophisticated, safe and intelligent society.

TRAFFIC SAFETY SYSTEM

It is a multi-functional safety system designed to be used on highways. The system is divided into three subsystems (Enforcement, Security & Alerting).

1. ENFORCEMENT SYSTEM

is the violation part which uses a doppler sensor that detects the vehicles over 8 lanes simultaneously with a high resolution camera to get a clear day and night image. The functions of the enforcement system are following:

▶ Detect the vehicles over the speed limit
▶ Detect the vehicles moving without safe distance
▶ Detect the vehicles using the emergency lane
▶ Detect the trucks if they didn't use there reserved lane

2. SECURITY SYSTEM

Consists of two ANPR cameras with onboard OCR engine with a full library for MENA & Europe regions to detect any vehicle passing the radar in real time over 8 lanes during day and night.

3. ALERTING SYSTEM

Consists of three kinds of alerts (Visibility Alert, Noise Alert & Road Condition).

• Visibility Alert: a specialized sensor working on forward scattering principle detects the road visibility up to 3000m and provides the data in real time
• Hazard Alert: hazard lights in three colours (Amber, Red & Blue) installed on the side of a radar cabinet can be controlled remotely and activate depending on the road condition, in case of emergency or incident on the road
• Messaging Alert: a full matrix LED screen can be managed remotely to display alerting messages for the drivers in case any incident happens on the road.