SAMI-AEC Masseh

Strengthening Border & Industrial Security with Optimized Vehicle Undercarriage Detection

Saudi Arabia is well-positioned to take advantage of the Fourth Industrial Revolution. Consequently, the physical security needs of the Kingdom's industries are evolving, driving demand for smart security solutions. This necessitates enhanced security measures for the Kingdom's critical sectors such as oil refineries, government facilities, and religious sites. SAMI-AEC Masseh, a state-of-the-art Under Vehicle Scanning System (UVSS), bolsters deterrence by unveiling hidden threats in vehicle undercarriage, thus safeguarding personnel and assets and supporting the Kingdom's industrial advancement.

Addressing Physical Security Challenges Across Saudi Arabia's Key Industries

Sector	Challenges	SAMI-AEC Masseh
Government & Military Installations	Preventing espionage and unauthorized access	Detects hidden threats, unauthorized modifications, and concealed compartments
Border Security	Curtailing smuggling and unauthorized entry	Identifies smuggled goods and unauthorized entry attempts through integrated vehicle registration system (VRS) and chassis scanning
Critical Infrastructure (Oil & Gas)	Shielding against sabotage and threats to energy security	Ensures the integrity of vehicle access, detecting explosives or hazardous materials

Ensuring Uncompromising Security with a Comprehensive Surveillance Process

AI analyzes images

3D visualization generated

Results displayed on arabic dashboard

Vehicle approaches intelligent checkpoint

Multifaceted verification via integration with other systems

High-resolution cameras capture undercarriage

License plate & facial recognition activated

Boosting Security and Threat Detection: Key Benefits of SAMI-AEC Masseh

Enhanced inspection coverage

Day and night capability

Comprehensive undercarriage imaging

Integrated License Plate Recognition (LPR/ANPR)

Simple installation and maintenance

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