SAMI-AEC Masseh

Al-Powered Undercarriage Threat Detection for Efficient Security Screenings in Saudi Arabia

In today's interconnected environment, security has become a paramount concern for organizations. Effective vehicle screening is a critical part of any robust security strategy whether it's maintaining security at border crossings, protecting critical infrastructure, or ensuring safety at airports. However, traditional methods of vehicle undercarriage surveillance are becoming obsolete. Integrating Artificial Intelligence (AI) into the Under Vehicle Scanning System (UVSS) can address this disparity through advanced analytics capabilities.



of organizations are already using Al application security tools



Artificial Intelligence: Making Under Vehicle Inspection Efficient, Accurate, Reliable



42%

34%

Detect objects with ML techniques such as neural networks

Identify anomalies

or foreign objects

such as hidden

compartments



Create visualizations and detailed reports for further analysis and action Provide real-time alerts, promptly notifying security personnel of any suspicious findings



Compare captured images against the database for rapid identification of flagged vehicles



SAMI-AEC Masseh, an Under Vehicle Scanning System locally manufactured in Saudi Arabia, leverages AI-driven capabilities such as video analytics for comprehensive undercarriage threat detection



Advanced Analytics Analyzes data gathered from videos for precise threat detection and quick risk recognition

Fortifying Saudi Security with AI-Driven Undercarriage Surveillance



Intelligent Checkpoints Integrates seamlessly with third-party platforms, transforming UVSS deployments into centralized, intelligent control centers

Fast Inspections Performs rapid inspections, significantly reducing wait times at checkpoints and streamlining the process without compromising security



License Plate & Facial Recognition Incorporates advanced identification technologies to enhance the system's monitoring and access control capabilities

