

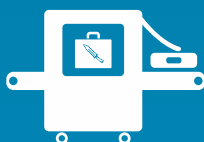
VEHANT TECHNOLOGIES' KRITISCAN® DUAL-VIEW X-RAY BAGGAGE SCANNER DEPLOYMENT AT LPG BOTTLING PLANT IN INDIA

Client: LPG Bottling Plant of a renowned oil and gas corporation in India

Solution	KritiScan® 6040DV
Bag Scanning Capacity per day	5000
Bags Scanned at client's site per day	1500 (approximately)

Introduction

A leading oil and gas corporation of India operates a state-of-the-art Liquefied Petroleum Gas (LPG) bottling lab facility at Tikri location. Ensuring the safety and security of its operations is paramount, specially at the entry and exit points to prevent accidents, unauthorized access, and potential security threats. The company sought an advanced security solution to enhance the screening of incoming and outgoing workforce and their belongings, while maintaining operational efficiency and regulatory compliance. Vehant Technologies, a pioneer in offering AI based security and surveillance solutions, was chosen to provide a cutting-edge solution.



Problem Statement

The customer intended to enhance the security measures to mitigate the potential security threats at the plant's entry-exit points.

Safety

LPG is highly flammable, and its mishandling or tampering can lead to catastrophic accidents, including fires and explosions. Security checks by scanning the belongings of people passing through the checkpoints as well as any objects was a challenge. The client had to ensure that no unauthorized or potentially dangerous items are brought onto the premises, reducing the risk of accidents.

Preventing Sabotage

LPG bottling plants may be potential targets for sabotage, including acts of terrorism or vandalism. Security checks were needed to prevent the introduction of harmful substances or explosives.

Preventing Theft

LPG is valuable, and theft could occur with insufficient security. Security checks were a necessity to deter theft and protect valuable assets.

Besides, compliance with stringent security regulations and industry standards was also required for the infrastructure as critical as that of the bottling plant for Liquefied Petroleum Gas. The safety and security of the workforce would contribute to the overall security of the premise. Quick and clear inspection of the belongings of the workforce while entering and exiting the plant's infrastructure was a challenge for Vehant's client.

Solution

Vehant Technologies deployed its state-of-the-art KritiScan® 6040 Dual-View X-Ray Baggage Scanner at the client's site. The advanced AI based baggage scanning system offered a comprehensive solution to address the challenges effectively.

Dual-View Imaging

The Dual-View technology provides two views of scanned objects from different angles. It thus offered a more detailed and accurate inspection of baggage at the checkpoint in the lab.

Enhanced Threat Detection

The scanner's advanced imaging capabilities allowed for the precise identification of potential security threats, such as concealed contraband, weapons, and hazardous materials.

AI Technology Integration

The AI-driven system automated the threat recognition, swiftly identifying potential security risks while false alarms were significantly minimized. The impact has been twofold- it accelerated the screening process, reduced human error, and significantly enhanced the lab's infrastructure security, making it more resilient against evolving threats. The machine powered by Intel® Core processors i7 has fast processing speed and provides high data visualization with high-quality images.

Operational Efficiency

The system streamlined security checks, and ensured minimal impact on the facility's operational efficiency while maintaining the highest level of security.

Regulatory Compliance: The scanner provided the client with a reliable tool for compliance, as it aligns with the stringent security regulations and standards for critical infrastructure.

Reduced Downtime: The efficiency of the Dual-View X-Ray Scanner significantly reduced the time and effort required for a security personnel at the monitoring station, minimizing operational downtime.

Customized Integration: The solution was seamlessly integrated into the existing security infrastructure, ensuring a smooth transition and minimal disruption during installation.

Results

The deployment of Vehant Technologies' KritiScan® Dual-View X-Ray Baggage Scanner at an oil and gas corporation at Tikri location has yielded significant benefits:

Enhanced Security

The client now enjoys an elevated level of security and threat detection, providing peace of mind for personnel, assets, and the surrounding community within the critical infrastructure.

Operational Continuity

The scanner has optimized security checks, allowing the personnel to maintain operational continuity, meet delivery schedules, and reduce delays.

Regulatory Adherence

The client is fully compliant with security regulations and industry standards, reinforcing its commitment to safety and security.

Conclusion

The deployment of Vehant Technologies' KritiScan® 6040 Dual-View X-Ray Baggage Scanner at the oil and gas company's bottling plant in Tikri has proven to be a pivotal step in enhancing security, operational efficiency, and regulatory compliance. The seamless AI integration ensured a more intelligent and efficient security apparatus for Vehant's client. The impact can be seen as the client's stakeholders and partners recognize their dedication to security, strengthening trust and relationships.



KritiScan® 6040 X-Ray Baggage Scanner features Intel Core™ i7 processor, Intel Distribution of OpenVINO™ toolkit and Intel Media SDK.



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