

RADIO AND VIDEO INTEGRATION

Radio Alert automatically notifies users when an incident is detected

- >> Receive Avigilon™ Unity Video alarms and alerts on your MOTOTRBO™ radios.
- >> Alarms triggered by the video management software are automatically pushed to the radios as text messages and/or text-to-voice alerts.
- >> Incident alarm triggers include video analytics, access control, number plate recognition and external software events.
- >> Users can acknowledge an alarm directly from their radio.
- >> Speeds up response times to enable better outcomes.



AVIGILON UNITY VIDEO
Video management software triggers an alert



MOTOTRBO
Text message received with alert details and user can acknowledge receipt

Manufacturing



Hospitality



Oil and Gas



Construction



Mining



Transportation & Logistics



Scenario 1

A large open-cast mine is surrounded by security fencing to prevent trespassers entering the site, with high definition cameras monitoring the perimeter. Avigilon Unity Video software analyses the footage in real time and detects a small group of people approach the outside of the fence. Avigilon Unity Unusual Motion Detection triggers an alert to control room operators and simultaneously sends a Radio Alert message to the mine security guards' MOTOTRBO radios with details of where the suspicious activity is taking place. The guards are already on route when the control room operator contacts them with further information via their radios, and the guards are able to arrive at the correct area of the fence in time to prevent a breach.

Further solution enhancement:

Thermal cameras can detect the potential intruders, even in the dark or in areas with smoke or foliage, and Motorola Solutions body-worn cameras worn by the security guards record their close-up perspective of the incident to provide additional evidence if needed.

Scenario 2

An oil refinery distribution depot uses Avigilon Unity License Plate Recognition to monitor fuel tankers arriving and departing the facility, and MOTOTRBO two-way radios to help staff communicate across the entire site. Vehicles that previously failed to meet safety or roadworthiness standards are recorded on a watchlist: if any of these vehicles enters the facility, a Radio Alert message is automatically sent to the shift supervisor's radio. The supervisor then meets the vehicle to ensure required maintenance has been carried out before the vehicle reaches a loading bay.

Further solution enhancement:

The supervisor moves around the entire location, often on their own. MOTOTRBO Lone Worker and Fall Alert (Man Down) help protect the supervisor's wellbeing by monitoring their movement and automatically raising the alert if they become incapacitated.

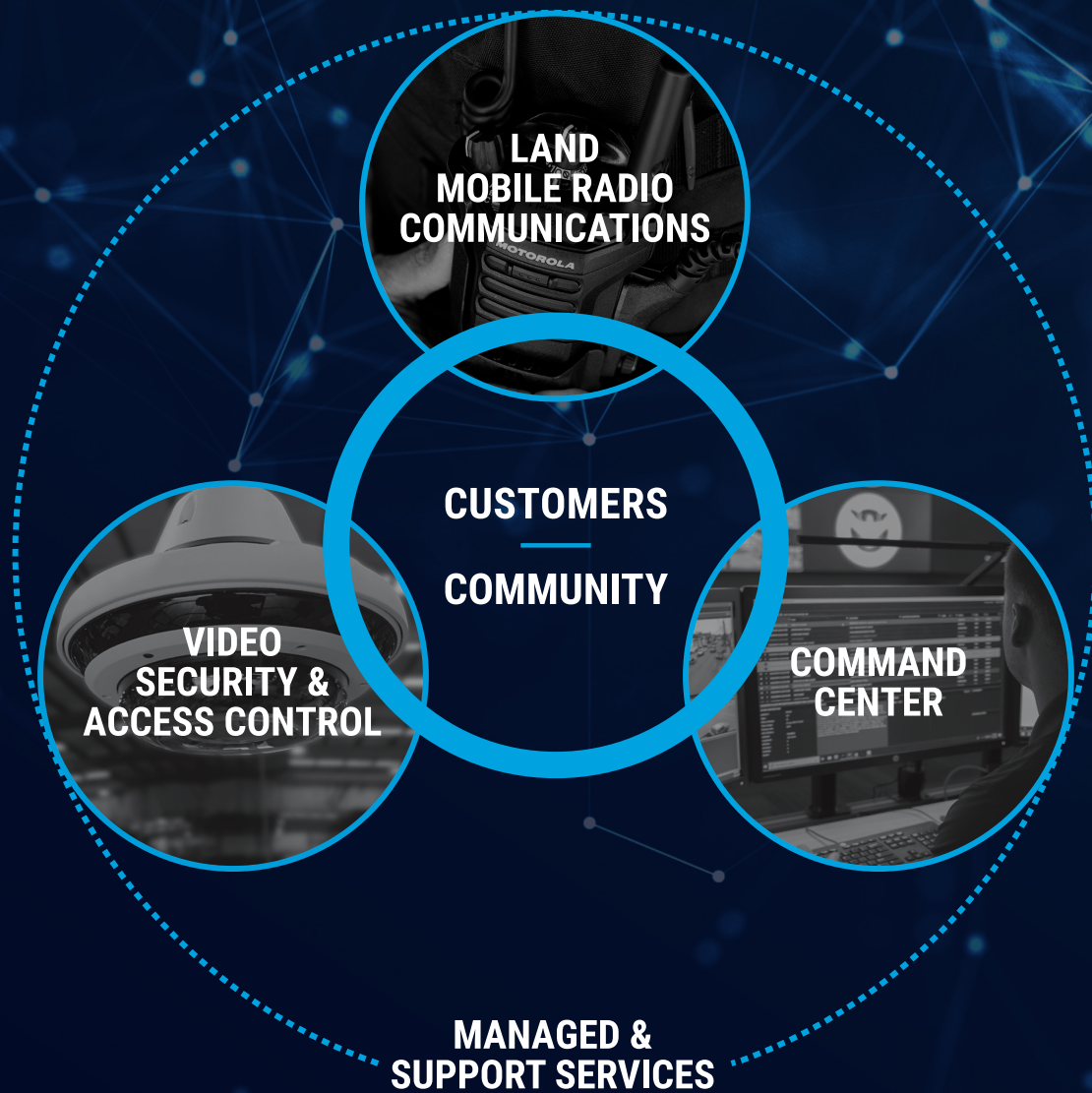
Scenario 3

The driver of a tower crane on a construction site is guided by an assistant using MOTOTRBO radios to communicate instantly. Other workers on the site often gather in areas within the service area of the crane but hidden from view of the driver and their assistant: workers entering or leaving these areas may cause a potential health and safety risk during a lift. Avigilon cameras monitor the site and Avigilon Unity Video software analyses the captured footage in real time, automatically generating a Radio Alert to notify the driver and assistant if workers are gathering in the area. The driver immediately pauses the lift and the assistant goes to the area to safely move the workers away.

Further solution enhancement:

MOTOTRBO location geofencing can alert the workers when they enter the restricted areas, and control room software will record the incident, maintaining an audit trail for staff training or disciplinary proceedings for repeat offenders.





When an incident happens, teams need to focus on the job at hand, not on their equipment. The Motorola Solutions technology ecosystem combines our products, automating operations to boost worker safety, effectiveness and productivity.



Two-way radios provide mission-critical group communications, helping workers instantly connect at the push of a button.



Control Room Software provides centralised monitoring and co-ordination of dispersed teams of workers.



Video security captures, records and analyses events for enhanced detection, response and outcomes.

To see more solutions, visit www.motorolasolutions.com



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