

CASE STUDY

Leveraging the Power of Technology

CHALLENGE

According to the National Insurance Crime Bureau (NICB), catalytic converter thefts continue to surge nationwide. In 2022, The United States experienced more than 64,000 thefts of this valuable part, with the State of Texas ranking second. Given the large coverage requirements at each Wrench A-Part site, the company researched Thermal Radar as a cost-effective solution to protect their assets.

SOLUTION

Wrench A-Part partnered with Cam Sec Plus, a security integrator based in Southern Texas, to install a single Thermal Radar system near the center of a large site, as an initial deployment.

Thermal Radar is a patented solution that provides continuous 360° rotation of a single thermal sensor for threat detection and perimeter protection. Capable of covering large areas every few seconds, Thermal Radar uses edge-based analytics for threat detection. On each detection, Thermal Radar directs an attached pan-tilt-zoom (PTZ) camera on target for visual verification and simultaneously sends alarms to an integrated video management system (VMS).

Cam Sec Plus also installed LED lighting and a loudspeaker for added deterrent capabilities. Thermal Radar automatically activates these two security features upon detection of threats.

RESULT

The wide-area protection capabilities of Thermal Radar resulted in the detection of an intruder who had entered the Wrench A-Part site during business hours but hid until the business was closed. Upon emerging from his hiding spot late that evening, Thermal Radar made the heat-based detection of the individual, directed the PTZ on target, sent an alert to the VMS, and activated the lights and loudspeaker. The on-site manager reviewed the alarm and then notified the police. The manager monitored the VMS while Thermal Radar continually tracked the intruder, who was apprehended upon the arrival of law enforcement authorities.

AT A GLANCE

Overview

Learn how a used auto parts company leveraged the power of a single 360° Thermal Radar system to apprehend an intruder within their large auto parts vehicle yard.



Company

Wrench A-Part and Snyder's currently operate 9 large auto part sites across Texas. These state-of-the-art locations provide customers with a professionally maintained and clean atmosphere to acquire vehicle parts. With thousands of vehicles at each site, the theft of parts, especially catalytic converters is a significant security concern.



“Thermal Radar’s ability to continuously monitor a large area while deployed as a technology sentry allowed Wrench A-Part to avoid a loss and ensure accountability of the offender.”

Gawain Gudry

VP Business Development