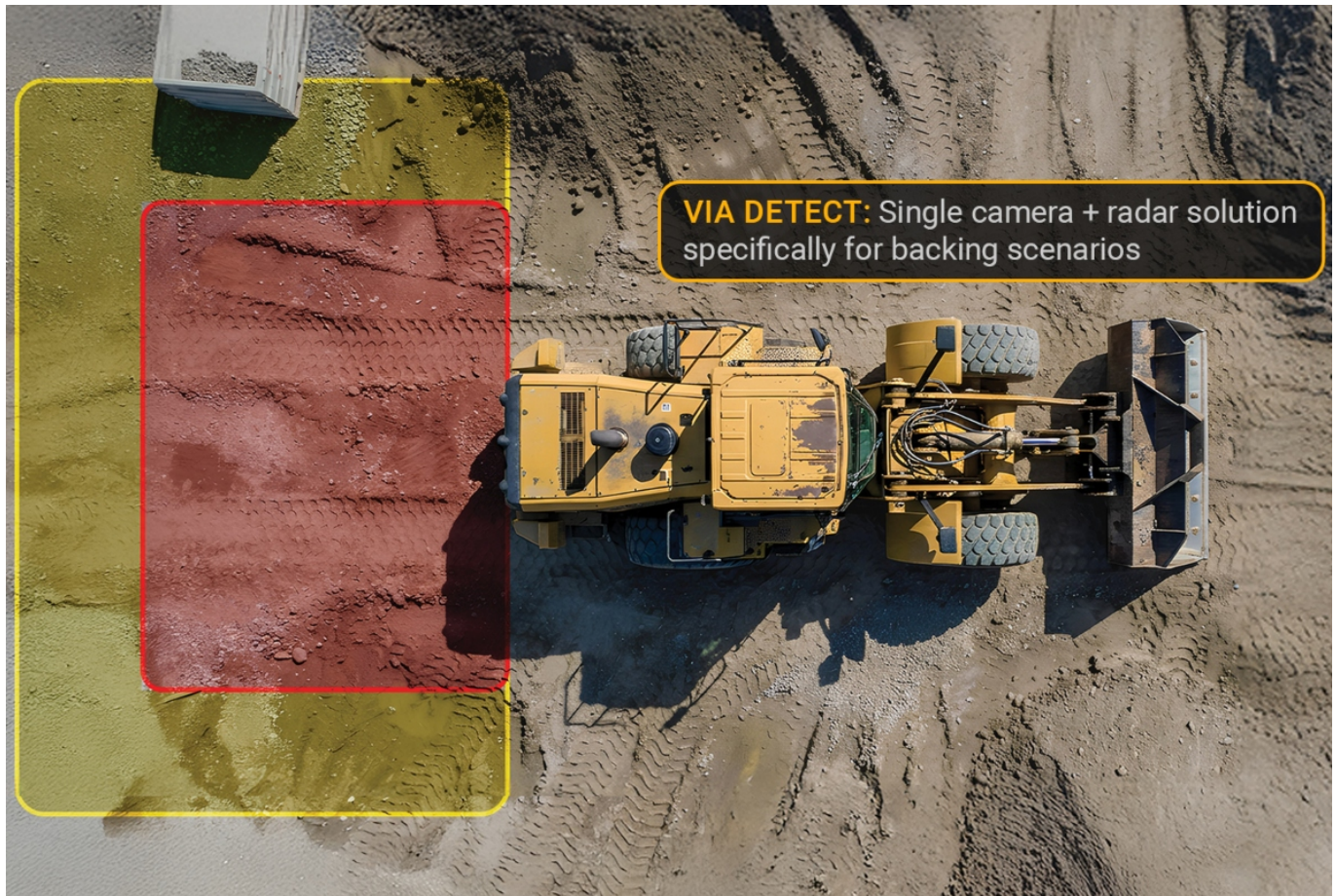




VIA Detect

IMAGE SOURCE: VIA Technologies

VIA Technologies unveils VIA® Detect at CONEXPO-CON/AGG 2026: The retrofit solution turning zero accidents into maximum efficiency

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- VIA Technologies launches VIA® Detect, an AI-powered retrofit safety system to prevent reversing accidents in heavy machinery.
- The system combines camera and radar technology with Time-To-Collision logic to provide precise, context-aware alerts only when necessary.

- **VIA® Detect enables fleet modernization by upgrading legacy equipment without the need for new asset purchases.**
- **The solution reduces downtime by eliminating backing incidents and minimizing nuisance alarms, enhancing overall job site efficiency.**

From the makers of the NIOSH Award-Winning Innovation Technology, the new VIA® Detect AI-Powered reversing solution eliminates the primary cause of job site downtime without nuisance alarms.

Today at CONEXPO-CON/AGG 2026, **VIA Technologies, Inc.** (Booth N12935) unveiled *VIA® Detect*. This rugged, retrofit-ready safety solution is designed to transform backing safety in the construction, mining, and aggregates industries.

Reversing incidents are a primary cause of injury and operational stoppages. *VIA® Detect* addresses this issue by combining advanced people detection with predictive *Time-To-Collision (TTC)* radar. The result is a system that acts as a digital spotter for operators to ensure safety protocols drive efficiency rather than slowing it down.

Modernizing fleets to bridge the skills gap

Designed for the harsh realities of heavy machinery, *VIA® Detect* allows fleet managers to upgrade legacy equipment with cutting-edge AI. Replacing passive backup cameras with active collision avoidance enables companies to provide inexperienced operators with the situational awareness of a veteran. This capability instantly modernizes fleets without the capital cost of purchasing new assets.

Smart technology with zero fatigue

Operators often tune out constant-alarm radar systems. *VIA® Detect* solves this by utilizing intelligent gear-direction logic. The system activates exclusively when the vehicle shifts into reverse to scan the path for people and obstacles. Visual and audible alerts trigger only in high-risk scenarios. This precision solves the industry-wide issue of alert fatigue and ensures every notification command immediate attention.



Key Benefits

IMAGE SOURCE: VIA Technologies

Key highlights:

- **Protect Uptime:** Eliminating backing accidents prevents costly investigations and repairs to keep projects on schedule.
- **Intelligent Sensor Fusion:** A single camera and radar configuration deliver precise differentiation between pedestrians, vehicles, and harmless obstacles.
- **Time-to-Collision (TTC) Logic:** Radar algorithms calculate trajectory and speed to alert only on imminent threats rather than parallel traffic.

- **Retrofit Ready:** Engineered for simple installation on loaders and compact equipment for rapid fleet-wide deployment.

A word from leadership

"Safety is the foundation of efficiency. When accidents are eliminated, downtime is eliminated." said Epan Wu, Corporate Vice President at VIA Technologies, Inc. "VIA® Detect brings award-winning AI technology to the most critical movement on the job site: reversing. It is built to be a rugged upgrade that protects ground crews and keeps the operation moving."

Experience VIA® Detect at CONEXPO-CON/AGG 2026

See the technology that transforms safety into a competitive advantage. Visit VIA Technologies at **Booth N12935 (North Hall)** between March 3-7, 2026 to experience a live demonstration of the VIA® Detect technology.

Source: VIA Technologies