

OHS



OCCUPATIONAL HEALTH & SAFETY



2025 SAFETY
INNOVATIONS
REPORT



Tracking Safety's Constant Evolution

One of the most gratifying things about covering the field of workplace health and safety is seeing firsthand how many smart, resourceful people are dedicated to protecting others. Every day, safety professionals, engineers, and innovators across industries are developing new ways to prevent injuries, improve conditions, and help ensure that workers go home safe at the end of the day.



The pace of product innovation in this space is nothing short of remarkable. Each year brings a wave of new technologies, materials, and design features that push the boundaries of what safety equipment and systems can do. From intelligent monitoring platforms and AI-powered analytics to advances in protective apparel and emergency response gear, today's products continue to raise the bar for performance and reliability.

That commitment to progress is what drives our annual *Occupational Health & Safety* New Product Awards program. This year, 30 products across 31 categories are being recognized for their ability to improve health, safety, and efficiency in the workplace. The 2025 entries demonstrated notable advancements in areas such as AI technology, EHS software and ergonomics, while also showing that innovation remains strong in core categories such as PPE, fall protection and industrial hygiene.

This companion digital edition takes a closer look at some of those winning innovations and the ideas behind them. Inside, you'll find features on standout products, insights into how they address critical safety challenges, and a roundup of additional offerings that further demonstrate the breadth of ingenuity in today's marketplace.

We hope you find this publication useful as you stay current with the rapid-fire pace of workplace health and safety innovation — and, perhaps, find a few solutions that inspire your own safety efforts. **OKS**

DAVID KOPF

Publisher & Executive Editor, *OH&S Magazine*



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Product Spotlights
 A roundup of additional safety innovations that were winners in the OH&S 2025 New Products of the Year awards program.

Forefront of AI-Powered Safety on Industrial Vehicles

VIA Tech Mobile360 wins *OH&S* New Product of the Year 2025 in 3 categories.

BY JASON LEE GILLIKIN, DIRECTOR OF BUSINESS DEVELOPMENT, VIA TECHNOLOGIES, INC.

Accidents involving heavy vehicles and equipment carry devastating human and financial costs. For safety managers, finding reliable solutions to mitigate these risks is crucial.

VIA Tech Mobile360 safety solution stands out as a new benchmark in vehicle safety, winning three 2025 *Occupational Health & Safety (OH&S)* New Product of the Year Awards in AI Technology, Construction Safety, and Transportation Safety. These accolades confirm its credibility as a trusted, best-in-class vehicle safety solution.

Intelligent Award-Winning Protection

At its core, VIA Tech Mobile360 is an intelligent, easily integrated solution for heavy, compact, and on-road vehicles. It is trusted across demanding industries including construction, mining, transport, and waste management.

VIA Tech Mobile360 employs advanced Sensor Fusion technology, combining video from cameras with radar sensor data. Its AI-powered cameras and radars detect people, vehicles, and objects in all weather and lighting conditions, giving operators a complete, clear view of their surroundings, eliminating blind spots.

Unlike basic camera systems that trigger constant distractions, VIA Tech Mobile360 issues context-aware alerts only when a hazard truly requires the driver's attention. This intelligent approach reduces alarm fatigue and builds operator confidence. Being software-defined with all components owned by VIA Technologies, it offers the flexibility to adjust vehicle and fleet settings anytime. The system supports both multi camera-radar setups for 360° coverage and single camera-radar setups to eliminate specific blind spots.

Beyond vehicle safety, VIA Tech Mobile360's cloud platform vCare™ transforms safety data into business intelligence. Trips and alerts are logged with actionable insights, allowing managers to:

- **Analyze incidents:** Retrieve video footage of near-misses and collisions for training and liability review.
- **Monitor fleet health:** View dashboards showing operational status across the fleet.
- **Identify risky hotspots:** Use analytics to locate and mitigate high-risk areas.
- **Improve over time:** Receive wireless updates to enhance AI performance.

Engineered for Construction Safety

In demanding environments of construction sites, VIA Tech Mobile360 provides critical visibility and protection for equipment such as excavators, forklifts, loaders, and dump trucks.

- **Complete 360° Visibility:** VIA Tech Mobile360 creates a seamless, top-down "bird's-eye" view around the vehicle, showing the operator the most immediate hazard on-screen.

LEARN MORE:

Discover how VIA Tech Mobile360's multi award-winning AI-powered safety protects fleets and help achieve zero-incident goals by exploring our best-in-class certified technology. **Book Your Consultation Now**



- **Dependable in All Conditions:** AI-powered cameras and radars deliver reliable hazard detection even in dark, dusty, or low-visibility situations.

- **Built to Last:** Its rugged components are designed to withstand vibration, debris, and high-pressure washdowns, ensuring long-term reliability in harsh environments.

Proven Safety for Transportation Fleets

For on-road fleets, including buses, semis, and specialized trucks like waste and dump trucks, VIA Tech Mobile360 enhances the operator's situational awareness and protects vulnerable road users like pedestrians and cyclists.

- **Smart Contextual Alerts:** VIA Tech Mobile360 avoids desensitizing operators by activating warnings only when vehicle movement and surrounding activity pose a genuine risk.

- **Vehicle-Specific Safety:** Features like a Power Take-Off (PTO) indicator for waste trucks and a Truck Bed Position indicator for dump trucks help prevent common operational accidents.

- **Exterior Alarms:** Configurable exterior lights and sirens automatically notify nearby workers and pedestrians when a vehicle is backing up or maneuvering.

A Commitment to Safety and Credibility

The triple OH&S award recognition demonstrates that VIA Tech's Mobile360 Safety Solution is not only innovative but also validated by industry standards. It holds ISO 26262 (Functional Safety) and ASIL-D (Automotive Safety Integrity Level) certifications, along with IATF 16949 for automotive quality management.

By combining fleet intelligence, operational awareness, and proven AI performance, VIA Tech Mobile360 empowers organizations to pursue zero-incident safety goals. The 2025 OH&S New Product of the Year Awards affirm that the VIA Tech Mobile360 is more than a product; it's a comprehensive, future-ready solution redefining safety for construction, transportation, and industrial fleets worldwide. **OKS**

Jason Lee Gillikin, Director of Business Development, brings 7+ years in safety tech, with degrees in Chemistry and Physics, an M.S. in Computer Science, and NYSE engineering experience.



MOBILE360
SAFETY SOLUTION



WINNING CATEGORIES:

- AI Technology
- Construction Safety
- Transportation Safety



VEHICLE DETECTION



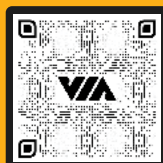
PEDESTRIAN DETECTION



OBJECT DETECTION

FOREFRONT OF AI-POWERED SAFETY ON INDUSTRIAL VEHICLES

- **Deliver real-time alerts** on critical threats.
- **AI Cameras + Radars** detect all threats in all conditions.
- **Context-Aware filtering** stops nuisance alarms.
- Highlights the single greatest threat.
- **Warn ground crews** directly in the danger zone.



Your worksite can be safe and more productive.
Learn More at viatech.ai

Adaptable Safety for Mixed Fleets in Demanding Industries

Vehicle Applications: Waste Trucks, Dump Trucks, Haul Trucks, Loaders, Skid Steers, Forklifts, and more.

Industry Proven: Waste & Recycling, Ready-Mix/Concrete, Mining, Aggregates, Construction, and more.



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FOREFRONT OF AI-POWERED SAFETY ON INDUSTRIAL VEHICLES

VIA Tech Mobile360 is an intelligent safety solution for industrial vehicles, using AI-powered Sensor Fusion (cameras and radar) to eliminate blind spots and detect hazards in all conditions. It provides context-aware alerts, reducing distractions. The flexible, software-defined system offers 360° or targeted coverage, while the vCare™ cloud platform turns safety data into actionable business intelligence for fleet management.

www.viatech.ai



FOREFRONT OF AI-POWERED SAFETY ON CONSTRUCTION VEHICLES

VIA Tech Mobile360 is an intelligent safety solution for industrial vehicles, using AI-powered Sensor Fusion (cameras and radar) to eliminate blind spots and detect hazards in all conditions. It provides context-aware alerts, reducing distractions. The flexible, software-defined system offers 360° or targeted coverage, while the vCare™ cloud platform turns safety data into actionable business intelligence for fleet management.

www.viatech.ai



FOREFRONT OF AI-POWERED SAFETY ON TRANSPORTATION

VIA Tech Mobile360 is an intelligent safety solution for transportation safety, using AI-powered Sensor Fusion (cameras and radar) to eliminate blind spots and detect hazards in all conditions. It provides context-aware alerts, reducing distractions. The flexible, software-defined system offers 360° or targeted coverage, while the vCare™ cloud platform turns safety data into actionable business intelligence for fleet management.

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