SmartCone and Samsung Launch RoadDefender™ to Enhance Real-Time Safety for Roadside Workers

Real-time detection, edge intelligence, and Samsung wearable alerts combine to help roadside crews respond faster to approaching hazards

ALBUQUERQUE, N.M. - May 12, 2026 - *PRLog* -- SmartCone Technologies Inc. and Samsung today announced the launch of RoadDefender™, a real-time roadside worker protection system that delivers immediate alerts to crews in active traffic environments.

Roadside construction remains one of the most hazardous work environments, with workers exposed to fast-moving and unpredictable traffic. Traditional safety methods—such as cones, signage, and flagging—rely on driver awareness and worker reaction time, which can leave only seconds to respond to a vehicle breach.

RoadDefender addresses this gap with a connected, real-time alert system that detects approaching vehicles and instantly communicates risk directly to workers.

Real-Time Detection and Alerting

RoadDefender operates through a Sense–Decide–Alert loop:

- **Sense:** Long-range radar and AI-driven video analytics detect approaching vehicles
- **Decide:** Edge processing evaluates risk in real time
- **Alert:** Workers receive immediate alerts via Samsung Galaxy Watch devices

The system has demonstrated long-range detection and alert delivery in milliseconds—significantly faster than traditional visual warning methods.

Built for Live Work Zones

Designed for active roadside operations, RoadDefender integrates into existing traffic control setups without complex infrastructure. The system includes ruggedized roadside units, visual beacon alerts, and real-time connectivity with wearable devices, enabling fast deployment in live environments.

Samsung Wearable Integration

Through collaboration with Samsung, alerts are delivered directly to workers using Galaxy wearable devices. Haptic, visual, and audible cues ensure warnings are received immediately, even in high-noise, high-distraction conditions.

Early Deployment and Validation

RoadDefender has been deployed in live work zones, with Ranger Construction serving as an early access partner.

"RoadDefender isn't just technology—it's a lifeline for our roadside crews," said Mark Ligon of Ranger Construction. "The timely warnings have made our job sites safer and more efficient."

Availability and Recognition

RoadDefender is currently being deployed across select construction and roadway projects through SmartCone and its partners. The system is listed on the Florida Department of Transportation (FDOT) Approved Products List (APL) and has been recognized through the FDOT SWIFTT innovation program.

About SmartCone
SmartCone Technologies Inc. develops connected safety solutions that combine sensing, edge processing, and wearable technology to improve protection in high-risk environments.

About Samsung
Samsung is a global technology leader delivering innovative mobile, wearable, and connected device solutions for enterprise and frontline applications.

About Ranger Construction
Ranger Construction Company is a heavy highway contractor specializing in infrastructure projects in active traffic environments.

Contact
SmartCone Technologies Inc.
***@1585innovations.com

--- End ---

Source	SmartCone Technologies Inc.
City/Town	Albuquerque
State/Province	New Mexico
Country	United States
Industry	Information technology
Tags	Roadsafety, #artificialintelligence, AISafety, EdgeAI, ConnectedWorkers, WorkerSafety,

ConstructionSafety, SmartInfrastructure, ComputerVision, AIFuture
Link https://prlog.org/13145319

Scan this QR Code with your SmartPhone to-
* Read this news online
* Contact author
* Bookmark or share online