

# Making Roadways and Jobsites Safer

**PreView**<sup>®</sup>  
RADAR SYSTEMS

## Protect Your People, Investments, and the Public

When you work in and around vehicles and equipment, safety should be everyone's top priority. However, more and more incidents are taking place on our roadways and worksites. Drivers need to be equipped with the right tools to help them operate safely. They need to know what can't be seen.

Once an incident happens, you can't go back. With the PreView<sup>®</sup> 79 GHz Radar ADAS solutions, you're protecting people, property, and your bottom line, with the most advanced side and rear object detection solutions on the planet.

## Why RADAR Stands Above the Rest

- RADAR sensors are not affected by vibrations of large vehicles and equipment
  - Ultrasonic sensors can be affected by the vibrations of heavy equipment
- RADAR sensors are capable of and designed to work in the rain, snow, sleet, hail, fog, mud, and dust
  - Camera Vision Systems, Ultrasonic sensors, and LiDAR sensors can be affected by environmental conditions
- RADAR sensors are designed to work in low light conditions such as at night or on cloudy days
- RADAR sensors can detect fast-moving objects and are used for such advanced driver-assistance system (ADAS) tasks
- RADAR uses high speed radio waves with a wide angle field of view to accurately detect stationary or moving objects up to about 100 feet away
  - Ultrasonic sensors can only detect objects that are up to about 8-10 feet away



# Mitigate Incidents in Urban Environments with Vulnerable Road User Awareness

Responding to worldwide demands to protect vulnerable road users, the PreView® Side Turn Assist 79 GHz side detection radar is the new benchmark for side collision mitigation technology. Representing an evolution of advanced technology, this system provides long range Vulnerable Road User (VRU) awareness and blind spot lane change assist.

The PreView® 79 GHz Side Turn Assist Radar is the most accurate and reliable urban turning assistance solution available worldwide.

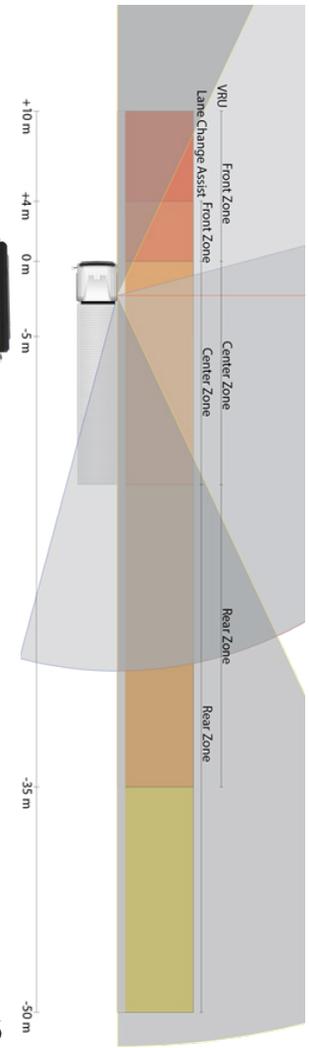
## PreView® Side Turn Assist Radar

### Urban Vulnerable Road User (VRU) Awareness

- Developed for urban areas to protect road users in blind spots
- Visual and audible alerts on moving cars, motorcycles, and bicycles
- Ignores stationary objects such as parked cars, street signs, etc.

### Lane Change Assist

- Designed to assist with lane change maneuvers
- Visual and audible alerts on moving cars, motorcycles, and bicycles overtaking the vehicle
- Ignores stationary guardrails, street signs, etc.



# Maximize Safety and Reduce Struck-By Incidents

The PreView® Sentry 79 is a 79 GHz Front and Rear Detection Radar, and is the industry's most flexible, accurate, and powerful active blind spot monitoring solution available. The sensor has a fully configurable detection zone, with the ability to detect objects from the face of the radar up to 50 meters (160 feet). The width of the detection zone is adjustable to fit almost any vehicle type to keep operators and jobsites safer. Sentry is an ideal solution for backing and short range forward requirements.



## PreView® Sentry79 Front and Rear Radar

### Front and Rear Blind Zone Detection:

- Programmable range and width
- Accurately detects and tracks up to 64 people or objects simultaneously
- Detects objects to the face of the radar
- Environmentally hardened/robust