

# EXPAND YOUR VIEWS ON MACHINE SAFETY SYSTEMS.

When you want to find new ways to help send your team home safely every day, Cat® Detect gives you five effective systems to choose from. Applicable to any machine, Cat Detect offers cameras radars and satellite capabilities to enhance site safety and improve operational efficiency. Coupled with Cat Safety consultations, Cat Detect works to keep your team aware and out of harm's way.

## CAT DETECT SYSTEMS

**VISION** — Includes multiple cameras configurable for machines from any manufacturer. The in-cab display can show up to four cameras, with manual or automatic rotation.

**OBJECT DETECTION** — Adds radar capabilities to mobile surface equipment. Automatically detects hazards such as other equipment or vehicles within critical zones around the machine. Can be added as an aftermarket solution and is available for any brand of equipment.

**PERSONNEL** — For underground longwall applications, the system uses RFID tags to locate and identify workers along the face. Protections include shield advancement prevention, while allowing equipment to keep working in the presence of cleared maintenance technicians.

**DRIVER SAFETY SYSTEM** — An in-cab camera system measures operator eye movements to spot distraction events and determine the onset of fatigue. Used with an operator training and awareness program, it is a powerful tool for mitigating the root causes of many site accidents.

**PROXIMITY AWARENESS** — Proximity Awareness adds GNSS capabilities for surface operations. It allows Detect to display the locations of other equipment beyond the reach of its radars and allows preprogrammed information—such as avoidance zones, haul road maps and more—to be displayed in the cab.

**Machine-to-machine communication** eliminates data gaps and the need for site-wide radio coverage. The system stores data on the onboard display and sends it to the office whenever they come within range of hot spots located around the site.

**Capture & Playback** records incidents for playback, analysis and training opportunities. Enhance reporting helps identify the best operators by comparing incidents to productivity.

## CAT DETECT GIVES YOU INSIGHTS TO:

IMPROVE	ALERT	EQUIP	CONTROL	BOOST	COMMUNICATE
operator awareness and visibility across your fleet.	operators to hidden hazards, including fatigue and distraction.	virtually any machine on your site, regardless of manufacturer.	costs by reducing accidents, machine damage and lost-time injuries.	productivity with improved operator confidence and machine availability.	aftermarket data without an expensive broadband network.

For more information, go to [www.cat.com/minestar](http://www.cat.com/minestar) or contact your local dealer.