



CAT MINESTAR DETECT PROXIMITY AWARENESS — THE POWER TO PREDICT & PREVENT AN ACCIDENT

Timely, accurate communication is key to running a productive mine. It's also essential when it comes to keeping people safe. The Detect Proximity Awareness system helps make it a reality by delivering fast and reliable information-sharing between machines and alerting operators of imminent proximity incidents.

SEE POTENTIAL COLLISIONS

PREDICT COLLISIONS

Uses GNSS positioning and high-speed machine-to-machine communication to give operators **360° situational awareness**.



MITIGATE COLLISIONS BEFORE THEY HAPPEN

ALERT OPERATORS FASTER

Reduces the latency of warnings and eliminates the need for a robust site-wide network by using peer-to-peer communications.



REDUCE RISKY BEHAVIORS

Provides office capability to create avoidance and speed zones to reduce risky operating behaviors.



MANAGE TRAFFIC SAFETY

USE INCIDENT DATA TO TEACH

Records incidents onboard and sends to the office when in network range and provides incident playback and analysis that allow incidents and near misses to become teaching opportunities.



GAIN INSIGHTS TO IMPROVE PRODUCTIVITY

Integrates with Cat® MineStar™ Fleet to provide detailed reports that tie productivity and incident data together, uncovering previously invisible insights that can be used to make productivity-boosting changes.

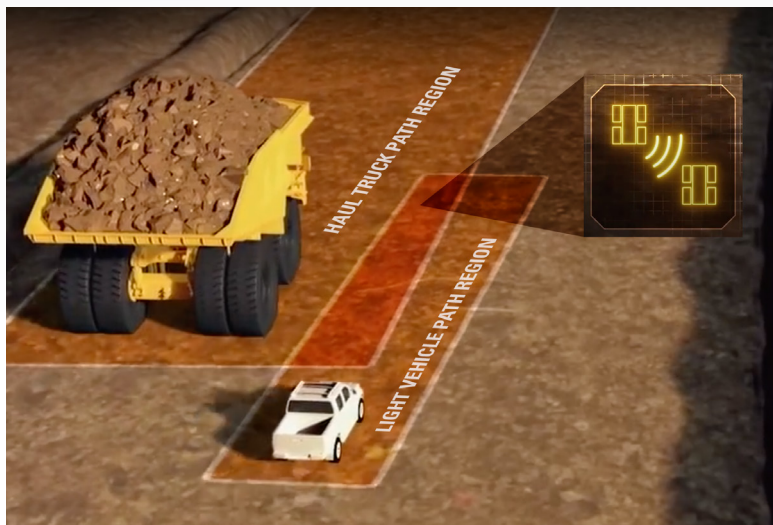
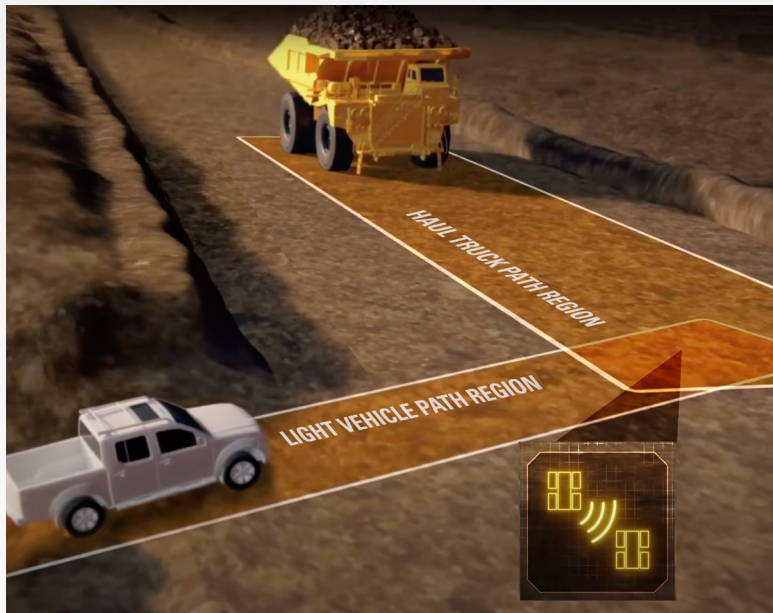
GET THE FUNCTIONALITY YOU NEED

Gives you the ability to customize office applications such as:

- **Recording capabilities**
- **Geo-fencing**
- **Mine mapping**
- **Hazard identification**
- **Alarm generation**
- **Incident investigation**
- **Training and more**



On mine sites where light vehicles and haul trucks interact, installing Proximity Awareness will help operators of both machines see and avoid collisions. When the **path regions intersect**, the system alerts both operators that there is another vehicle in their path.



PROXIMITY AWARENESS SYSTEM HARDWARE



Proximity Awareness



GIVE OPERATORS THE POWER TO SEE THE FUTURE

Visit cat.com/detectproximityawareness