

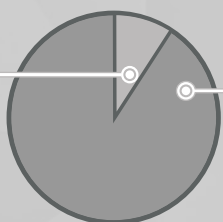
THE MOST COMMON CAUSES OF MINE SITE SAFETY INCIDENTS AND HOW TO ADDRESS THEM

What keeps you up at night? Working in the mining industry, safety issues can cause a lot of lost time, needless expense and sleepless nights.

Fortunately, technologies like Cat® Detect can help you rest easy. From Object Detection to the Cat Driver Safety System, Cat Detect offers a number of ways to address the four most common factors that cause mine site safety incidents.

FACT:

10% OF ALL SAFETY INCIDENTS ARE CAUSED BY UNSAFE SITE CONDITIONS



90% ARE CAUSED BY RISKY BEHAVIORS

LIMITED VISIBILITY

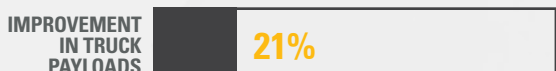
The more aware operators are of the people, vehicles and activities around their machines, the better able they will be to prevent incidents.



POOR OPERATOR SKILLS

One mine in the U.S. instituted a monitoring and simulator training program using Cat Detect and other Cat MineStar™ capabilities to monitor operator behaviors.

RESULTS:



HAZARDOUS SITE CONDITIONS

Detect Proximity Awareness lets you set up:



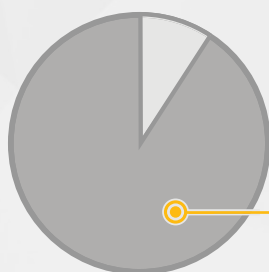
SPEED LIMIT ZONES



AVOIDANCE ZONES

Creating avoidance zones by machine class allows you to limit the types of vehicles that are allowed to enter an area, such as a drills-only zone in a blast area, reducing risks and the chances for human error.

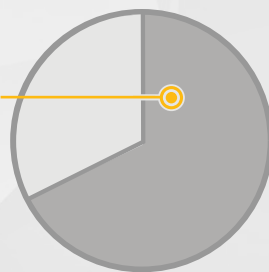
OPERATOR FATIGUE & DISTRACTION



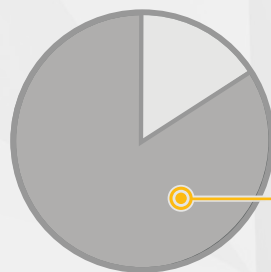
FATIGUE RESULTS IN OPERATORS WORKING AT AN EFFECTIVENESS OF 90%

Working at 70% effectiveness due to fatigue results in responses equivalent to having a blood alcohol content of .08 — legally drunk in the U.S.

60-70% OF ON-SITE ACCIDENTS ARE FATIGUE-RELATED



One mine in Africa estimated that the majority of on-site accidents are related to fatigue, resulting in \$2.4M in accident-related costs.



THE CAT DRIVER SAFETY SYSTEM REDUCES FATIGUE EVENTS BY 80%

The Cat Driver Safety System (DSS), when implemented with an effective fatigue management and awareness program, is proven to significantly reduce fatigue events.

IMPORTANT: TECHNOLOGY IS JUST ONE LINE OF DEFENSE

No technology can solve every safety problem. Cat Detect and other Cat MineStar technologies are intended to be the final layer of protection in a comprehensive safety program that includes sound policies, effective training, smart scheduling and solid cultural leadership.

GET THE WHOLE STORY

To find more ways that Cat Detect can help to keep your people and operations safe, [click here](#).

Want to learn more about how Cat Detect can help your people and equipment work more safely every day? [Click here](#).