



PREVENT UNINTENDED INTERACTIONS BETWEEN PEOPLE AND ASSETS **WITH DETECT FOR UNDERGROUND**



How much safer would your operation be if you have visibility to all workers underground? If you could alert operators to potential hazards before they become threat? If you could identify fatigued operators? With Cat® MineStar™ Detect for underground, you can.

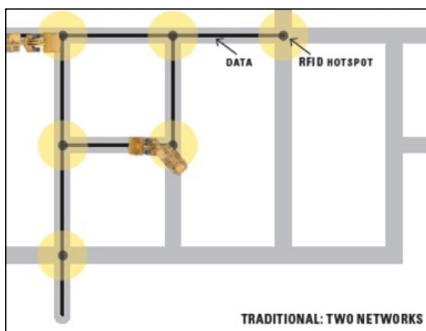
Detect addresses risks to people and assets by letting you “see” in the dark. Using a high-precision peer-to-peer proximity detection system coupled with a revolutionary communications and tracking network, Detect can prevent incidents and track people and machines—wherever they are underground—in real time and with no reliance on mine infrastructure.

- Provides site controllers a view of all miners and the locations of light and heavy vehicles via a Wi-Fi device.
- Provides operators continuous awareness of their surroundings to sub-meter accuracy, along with the location and status of all personnel and assets.
- Uses high-precision proximity detection to keep machine operators and on-foot personnel aware of each other and their positioning in real time.
- Alerts operators and personnel when machines or objects come into close proximity to aid in collision avoidance.
- Uses a non-intrusive, in-cab fatigue detection technology called the Driver Safety System to instantly alert operators the moment fatigue or distraction are identified.

GIVE OPERATORS SPATIAL AWARENESS:
FRONT & BACK,
DISTANCE & DIRECTION

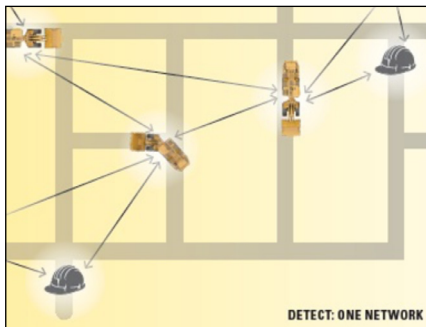
See potential hazards.
Mitigate collisions before they happen.
Manage traffic safety.

“You don’t want injuries. You don’t want vehicles running into each other. MineStar is going to make a big difference because you’ve got pre-warning and you can physically see where those people or that equipment is.”
—Graham Foster, LHD Operator, Newmont Goldcorp Tanami Operations



ONE NETWORK FOR THE COMPLETE UNDERGROUND ENVIRONMENT

Traditional systems rely on two networks, which are passive, costly and limited. Detect is one network, delivering a site-wide solution with high-bandwidth communications, precision tracking and a zonal tracking option.



TAKE TECHNOLOGY UNDERGROUND
Find out how you can see in the dark. Visit cat.com/detectforunderground

