



SEE, MITIGATE AND MANAGE OPERATOR FATIGUE & DISTRACTION



Fatigued and distracted machine operators are present on every mine site every day — and the consequences can be costly, even fatal. Cat® MineStar™ can help you identify fatigue and distraction — and address it — in real time.

We combine industry-leading technology with our expertise to:

- Assess your operation and identify the scope of the issue.
- Alert operators when fatigue or distraction are identified.
- Gather and analyze data to notify onsite personnel about drowsy or distracted operators.
- Reduce risky operator behaviors.
- Assist with change enablement training and shiftwork consulting.
- Offer resources such as training, operator coaching and educational support.

In-cab Detection Technology

Key to the solution is an OEM-agnostic non-intrusive, in-cab detection technology that instantly alerts operators the moment fatigue or distraction is identified. It works by monitoring eye-closure duration and head pose. If the system detects a fatigue or distraction event, the operator is immediately alerted through an in-vehicle seat vibration and audio alarm.

- Detects fatigue and distraction events while remaining non-contact and non-intrusive.
- Includes data feed to a monitoring center, where safety advisors analyze data and video and alert onsite personnel.
- Can be combined with change enablement offerings to build a complete fatigue and distraction management program.

Remote Monitoring Center

Data from the in-cab system is fed to the Remote Monitoring Center, where safety advisors work around the clock to analyze data and video to notify onsite personnel about drowsy or distracted driving. The monitoring center delivers standardized reports and offers customized analysis reporting at the site level. Fatigue experts work with site management to develop effective Fatigue Intervention Plans.

97%
REDUCTION

in most significant fatigue events

80%
REDUCTION

in average fatigue events

91%
REDUCTION

in distraction events

*on average per site deployment

THE DRIVER SAFETY SYSTEM INTERVENES AN AVERAGE OF 238 FATIGUE INCIDENTS EVERY DAY



SITE NOTIFIED WITHIN 2 MINUTES OF A FATIGUE OR DISTRACTION EVENT



For more information, go to cat.com/minestar or contact your local dealer.

