



# PRISM

## Managing Fatigue Throughout the Shift

A complete system for predicting and managing fatigue.

Predictive Safety's PRISM fatigue management system provides prediction and tracking to help individuals and their supervisors get in front of fatigue. Using a proprietary predictive algorithm and automated tracking system, it alerts them to upcoming fatigue and then helps them manage it in advance through an automated system.

Incident Rates  
**Average 35% Lower**  
Year-to-Year.

- 84%** Employees and supervisors who agree that fatigue monitoring improves job safety
- 35%** Reduction in incidents
- 38%** Reduction of hours worked with a high or severe fatigue status
- 3%** Improvement in worker attendance on night shifts

Source: *Kolomela Mine Study, 2013*

## Added Value Beyond Data Analysis

Unlike data management platforms that only provide the data, PRISM's closed-loop system takes the workers from notification through options for managing their fatigue levels, and tracking and reporting that includes a supervisor dashboard showing the fatigue status of the current workforce in real time.

PRISM includes initial fatigue assessments, compliance planning and documentation, training for supervisors and employees, and award-winning programs for families and schools with games, coloring books, and comic books on supporting good sleep hygiene in working family members.

Predictive Safety can integrate this system into other proprietary platforms as well as provide training and compliance design with specialists in the areas of technology, behavior, leadership, and occupational culture.





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## FAQ

How does PRISM communicate to workers on site?

To deliver alerts and track employee dispositions, PRISM utilizes existing communications systems including email, dispatch, text message or SMS, message boards, radio, or mobile phone.

How does PRISM collect its data?

PRISM can work with any time and attendance or security systems that store data in a database and that track workers' start and stop times.

**PRISM can collect and use key parameters from your operation's databases, such as:**

- Static indicators such as operation certification, age, job risk profile, and performance history
- Dynamic indicators such as vehicle speed and braking data, fuel consumption, and in-cab fatigue detection systems

**PRISM can easily interface with any SQL-based data system.**

How can PRISM bring positive culture change to work sites?

Based on surveys completed in our fatigue management program, workers cite improved morale and feeling safer because PRISM encourages self-management, and fatigue is taken seriously at their companies, often for the first time.

**Some survey results:**

- Workers and supervisors agreed that using a fatigue monitoring system increases awareness of job safety and performance—up 84%
- Supervisors and workers said that PRISM gives them the ability to manage their own fatigue levels at work—up 46%
- Workers thought that PRISM would help management understand workers better and improve working conditions—up 94%
- Workers felt better about their work environment when knowing that employees around them were monitored for alertness/fatigue—up 96%

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### Instant Risk Notifications

Workers log into a Proof-of-Safety (POS) unit through your company's proprietary OEM or through a personal device. Supervisors receive immediate alerts when workers' fatigue thresholds have been reached.



### Improved Employee Performance

The PRISM system provides targeted countermeasures based on fatigue level to improve alertness and productivity.



### Reduced Liability

Limit illness and absenteeism, medical and safety incidents, and costly insurance payouts while improving your workforce's quality of life.

Find out more at  
[www.predictivesafety.com/prism](http://www.predictivesafety.com/prism)



Predictive Safety