

## PREDICTIVE SAFETY SOLUTIONS

The first step in creating a robust safety culture at your organization is achieving a deep understanding of the risks and hazards that your employees face every day. To that end, DORN supplies technology-based predictive safety solutions that aim to help you create effective safety and fatigue management plans.

Using a combination of software tools, hardware devices, and wearable technology, DORN can help you collect a wealth of data on your workforce. Start by measuring the employee's alertness levels before, during, and after a shift, creating a fatigue profile at the individual level that identifies dangerous drops in alertness levels throughout the day that can then predict the specific times during the day when a particular worker is at the greatest risk for fatigue. Next, you can measure the exertion levels required of your employees in each individual role across your operations, tracking the employee's daily work regimen so that you can develop a comprehensive safety program that tackles injury risks before they become costly.

### Benefits of Predictive Safety Solutions

Tackling the costliest problems in the workplace—musculoskeletal disorders, chronic pain, fatigue—requires a data-based approach and holistic management. DORN's predictive safety solutions help you develop a roadmap toward effective worker safety and wellness plans by providing you with a complete picture of your workplace, from the individual level scaled up to the entire workforce, either by department or the organization as a whole. Clients who have adopted predictive safety techniques have enjoyed the following effects:

- Complete fatigue risk profiles for individuals and groups of workers
- The ability to spot fatigue in the moment or predict when it will occur, informing effective improvements to scheduling, work design, and the work site environment
- Lower injury rates when paired with on-site coaching and improved education for workers
- Lower costs from injury claims, missed time from fatigue, and lost productivity

### Predictive Safety

Predictive, data-based solutions have been deployed at sites around the world to great cost-saving effect. Enterprises that benefit from these programs include:

- Mining operations
- Heavy manufacturing and industry
- Shipping, air freight, and transportation

### PRISM

PRISM is a fully integrated fatigue data system designed to provide real-time information on worker alertness and performance levels. Using data collected from the job site, PRISM can identify common times during shifts when fatigue may be present, and highlights workers who are at increased risk of fatigue based on their performance and scheduling history.

### AlertMeter

An easy-to-use graphical interface that tests workers' awareness and fatigue levels before and during a shift, AlertMeter can be used to predict the riskiest times of a shift for fatigue and will notify managers when an employee is demonstrating risk factors for fatigue that can lead to injury or reduced productivity.



## About DORN Companies

For nearly 20 years, DORN has led the cutting edge of workplace safety solutions, offering holistic, proactive strategies to help organizations in all sectors reduce injuries, cut costs, and boost productivity. With a whole-person approach to safety that evaluates Body, Behavior, and Environment, DORN deploys custom-built solutions based on trusted science and the expertise of a nationwide team of workplace safety specialists. Whether through ergonomic assessments, PainFree treatments, biomechanics programs, technology solutions or coaching and training, DORN solutions significantly enhance organizational efficiency and employee effectiveness while improving the overall culture of the organization. With an annual ROI of nearly 600% and a reach of over 100,000 employees, we have saved employers over \$100 million in workers' compensation and healthcare claims and costs.

## Empowerment through Education & Engagement

**Contact us to learn more:**

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