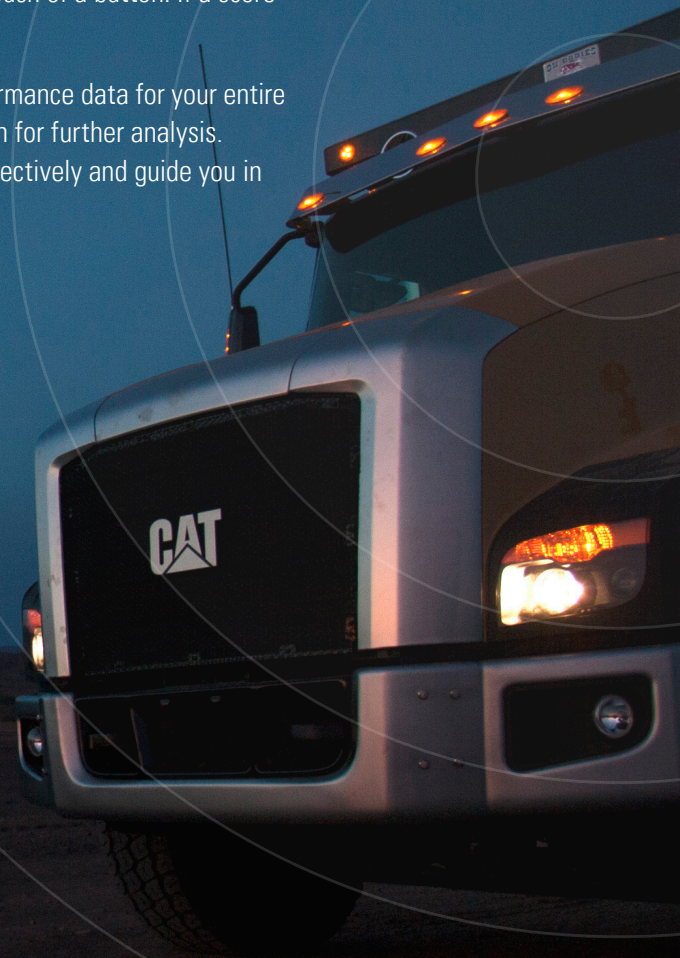


## CAT® SMARTBAND OPTIMIZE SHIFT SCHEDULES TO REDUCE RISK

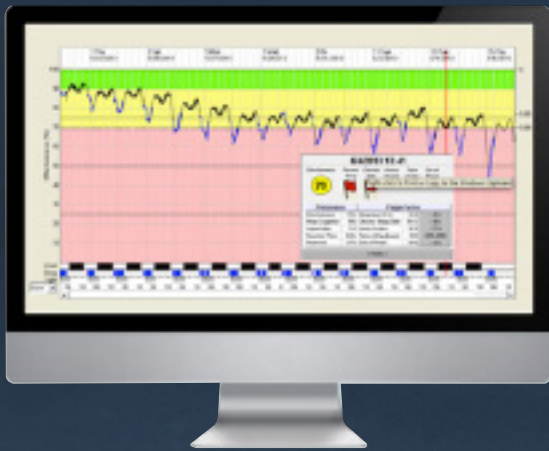
Consistent quality and quantity of sleep is critical to human health, safety and operational performance. The Cat Smartband, powered by Fatigue Science, can help you understand the connection between sleep, fatigue and accident risk on and off the job site.

This wrist-worn device automatically detects an employee's sleep and wake periods and converts data into an effectiveness score – viewable by the employee at any time with the push of a button. If a score is approaching 70% – the employee is considered to be fatigue impaired.

Using the Cat Smartband System, you can review aggregated sleep and performance data for your entire crew, filtering by specific groups and dates or exporting from a web application for further analysis. Caterpillar's fatigue risk consultants can help you integrate this technology effectively and guide you in leveraging the data to build a robust fatigue management system.







# The Power to Mitigate Risk and Manage Safety

Incorporate Smartband data into the Fatigue Avoidance Scheduling Tool (FAST) to understand fatigue risk and model and predict performance.

FAST can analyze work schedules, travel periods and accident reports to help managers schedule workers for increased safety and performance. Together with Smartband data that provides an objective view of employee fatigue patterns, you'll get a clear vision of your current state and the means to manage improvement.



## Get started with an On-Site Manager Workshop.

The Smartband is part of Caterpillar's comprehensive fatigue risk management solution, a process for achieving risk protection that delivers employees SAFELY HOME. EVERYONE. EVERY DAY.™

Learn more at [safety.cat.com/fatigue](https://safety.cat.com/fatigue)

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