

Driver Drowsiness Detection System — Drivescore —

Drive Score

(JP Pat. App. No. 2016-177222)

A driver safety solution that monitors the driver's brain waves for signs of drowsiness.

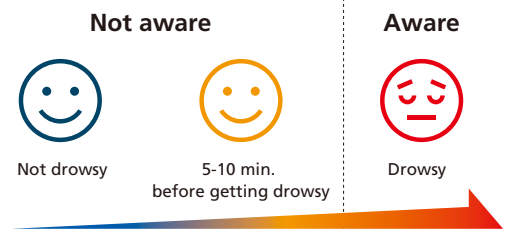


*Screenshots may undergo changes.

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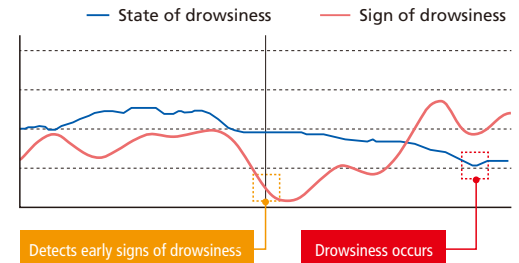
Detects early signs of driver drowsiness

Drivescore is a system that monitors the driver's brain waves for signs of drowsiness to help maintain safe driving. It does not just detect drowsy driving; it detects early signs of drowsiness 5 to 10 minutes before the driver actually feels drowsy, and alerts the driver. Chaos theory is applied for optimal state prediction and early detection of signs of drowsiness.



Monitors the driver to support safe driving

The driver's state of drowsiness can be monitored in near real time from a control site. If the driver ignores the drowsiness detection alert and continues driving, fleet managers can warn the driver. The route driven and drowsiness detection points are recorded for later viewing and future operation planning.

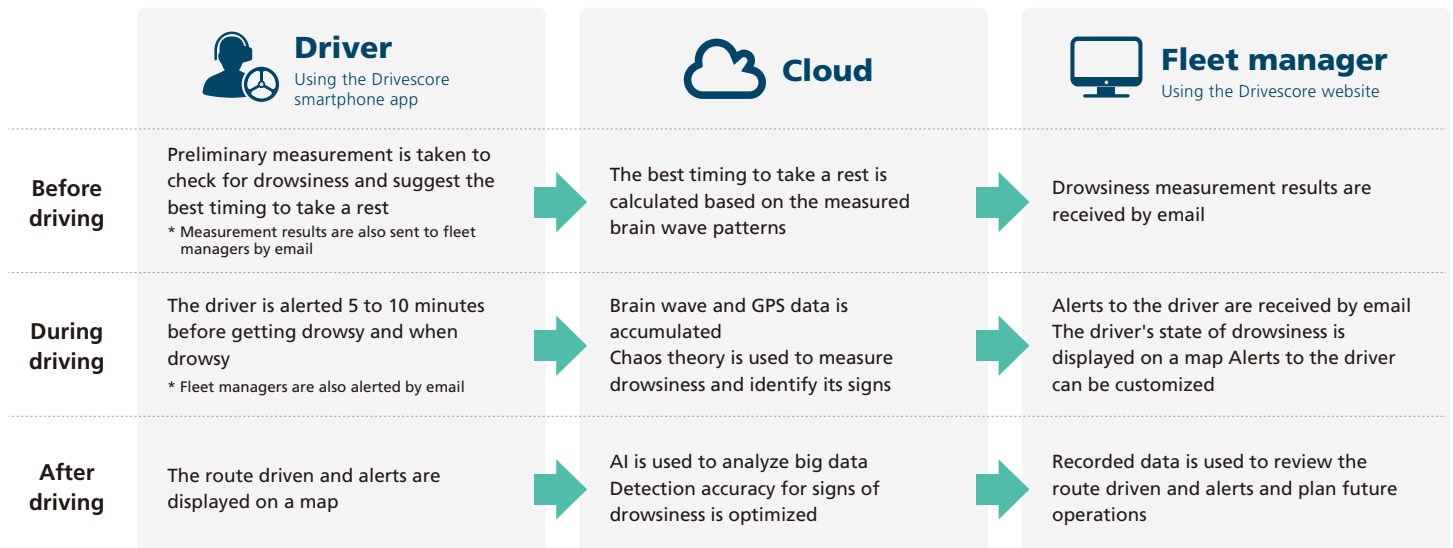


AI improves detection accuracy

Records of the driver's brain waves and driving data are stored on a cloud, and artificial intelligence analyzes big data to identify patterns of drowsiness detection. This enables prediction that takes various conditions such as driving routes and hours into consideration, while improving detection accuracy to accommodate individual differences as well.



Drivescore Service Flow



System Operation Requirements

Brain wave sensor

- NeuroSky MindWave Mobile (Model: MW003)

Smartphone app

- Android 5.0+ • iPhone/iPad iOS 9+
- * Android and iOS devices must support Bluetooth to connect with the brain wave sensor.

Website

The Drivescore website is compatible with the latest versions of all major browsers. It has been tested with the following browser versions.

- Internet Explorer 11.0 • Safari 10.0 • Firefox 49.0 • Chrome 52.0

Inquiry

DriveScore

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