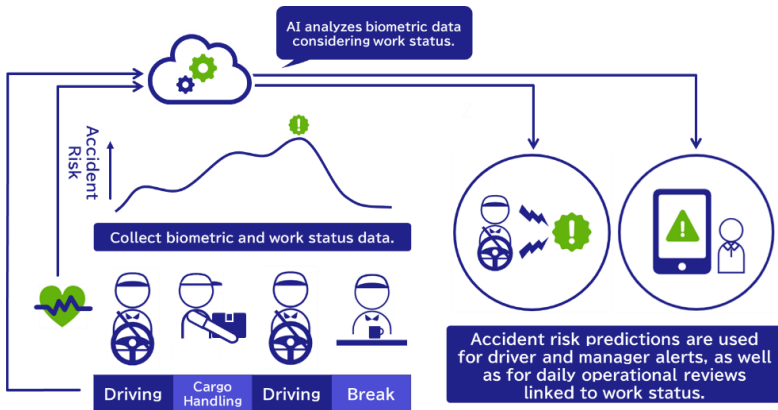


Patent acquired for Biometric Data Analysis Technology to Prevent Accidents — SSCV®-Safety Enables Early Detection and Alerts for Accident Risks —

LOGISTEED, Ltd. is pleased to announce the acquisition of a new patent for its safety operation management solution, SSCV®-Safety.

Patent Overview

Title	Operation Management Aid System and Operation Management Aid Method
Patent Number	Patent No. JP7741648
Registration Date	September 9, 2025
Patent Holder	LOGISTEED, Ltd.
Summary	Estimates accident risk based on the driver's work status (loading, unloading, waiting, resting, etc.).
Key Features	This invention improves accident risk prediction accuracy by analyzing drivers' work status—including non-driving activities—together with vital data, especially autonomic nervous system data. By correlating biometric data with work status, the technology enables incident risk prediction and high-precision monitoring tailored to the characteristics of various transport operators, such as buses, taxis, railways, and airlines. For irregular operations like long-haul trucks and overnight buses, accident risk can be analyzed considering such as break and rest periods. This technology is utilized in SSCV-Safety.
Overview Diagram	

About SSCV-Safety

SSCV-Safety is a solution that prevents accidents caused by inattentive driving by visualizing “fatigue” and “stress” that drivers themselves may not notice, through AI analysis of biometric data before, during, and after driving, as well as driving data obtained from drive recorders and vehicle behavior. Since 2016, LOGISTEED has built a system for analyzing driver health and driving data in collaboration with industry, government, and academia, and incorporated it into its safety management system, contributing to a reduction in accident rates and improved logistics safety.

News Release

Intellectual Capital Initiatives

LOGISTEED considers accident prevention and safety as a critical responsibility for a logistics company. The company's business divisions, DX development divisions and intellectual property divisions work closely to create new logistics services and promote patent applications. These efforts strengthen LOGISTEED's intellectual capital and IP strategy, aiming to enhance corporate value.

For SSCV-Safety, LOGISTEED has developed technologies for quantifying accident risk and visualizing operations based on driving data, resulting in 16 domestic and 14 overseas patent rights to date. Key patents include:

Category	Patent Details
Pre-operation Risk Prediction	Predicts daily driving risk based on biometric data collected during pre-operation roll call.
In-operation Notification	Notifies managers of major risks or incidents during driving operation; notifies drivers with different alert sounds depending on the nature of incidents (accidents, sudden braking, violations, fatigue, etc.).
Post-operation Review	Extracts short video clips from drive recorder footage during incidents such as accidents, sudden braking, violations, fatigue, etc., and creates a chronological list for each driver.
Driving Data	Displays vehicle driving data and incident locations on a map.
Driving Evaluation & Coaching	Assigns points based on driver behavior for eco/safe driving; generates tailored coaching and advice for each driver based on daily incident data.

References : External Recognition etc.

Patent acquisition for "Smart Safety Operation Management System" (Oct 1, 2020)Release

<https://www.logisteed.com/jp/news/20201001-2.html> (Japanese Language)

Patent acquisition for "SSCV®-Safety" (May 16, 2022)Release

<https://www.logisteed.com/en/news/20220516.html>

Awarded Gold Prize in "Safety Driving Award 2024"

- "SSCV®-Safety" Contributes to Reducing Traffic Accidents - (Nov 29, 2024)Release

<https://www.logisteed.com/en/news/news-release/202411292336/>

Awarded by the Minister of Land, Infrastructure, Transport and Tourism for initiatives utilizing SSCV®-Safety - Recognized for Contributions to Improving Driver Safety - (Dec 18, 2024)Release

<https://www.logisteed.com/en/news/news-release/202412182431/>

LOGISTEED Receives the Best Logistics Improvement Award - 98% Reduction in Near-Miss Incidents Through Driver Health and Operations Visibility -(Jun 26, 2025)Release

<https://www.logisteed.com/en/news/news-release/202506263376/>

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