

"TRUE SAFE", AI Safe Driving Solution



TRUE SAFE

A service that helps reduce traffic accidents by using AI to analyze driving and accident data, visualize accident risk of drivers, and promote safe driving.

Background or Challenges

The number of serious accidents involving commercial vehicles has not declined. Among these, trucks account for the highest number of fatalities and serious injuries, which is a critical issue that the industry must address.

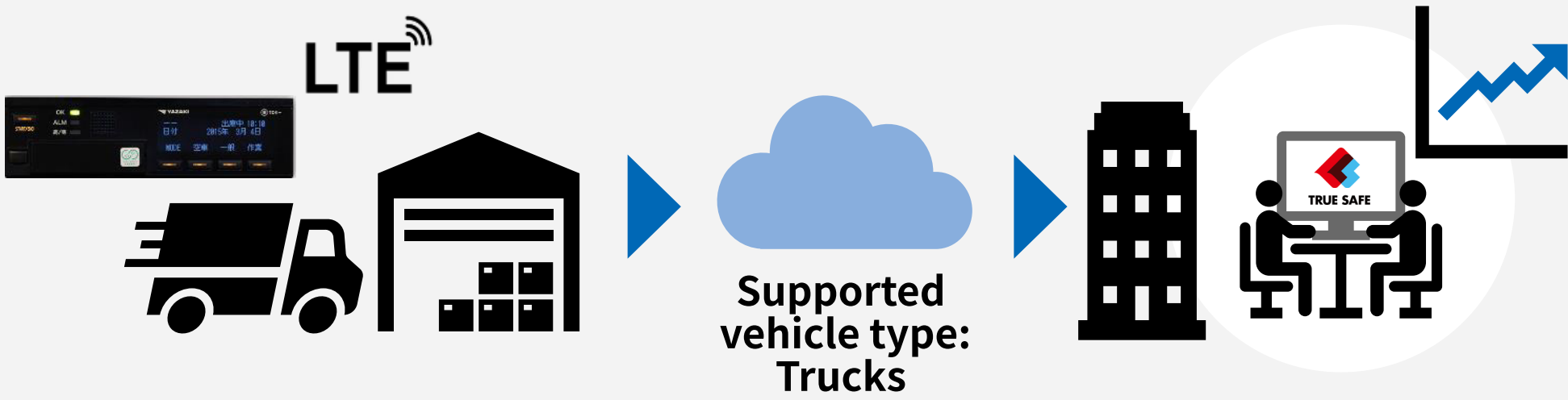
(*) Source: Annual report on accidents for commercial transport vehicles

Solutions to Challenges

- 1 Utilization of "Driving data" and "Accident data"**
Visualizes accident risks during driving by analyzing over 3 million driving data collected from Yazaki's digital tachographs and accident data from transport companies using AI.
- 2 Risk scoring of driving performance and management of driving instruction history**
Judges analysis results for each driving scene with scores to clarify which drivers need driving instruction, and also manages their driving instruction history.
- 3 Specific safe driving instruction utilizing maps and video data**
Provides more accurate driving advice from operation managers by displaying locations where high-risk driving occurred using map and digital tachograph data.

Overview

A solution for safety managers to guide drivers to avoid dangerous driving based on scores extracted from the analysis of actual driving data



Dangerous scenes extracted

Intersection accidents	Using a mobile phone while driving	Reversing vehicle accidents	Incomplete stop	Rear-end collisions
Analysis point • Whether the speed is reduced when approaching the intersection • Whether there is a stop time before the pedestrian crosswalk	Analysis point • Whether the driver is holding or using a mobile phone	Analysis point • Whether there is a stop time before reversing • Whether reversing speed is appropriate	Analysis point • Whether there is a complete stop for more than 1 second	Analysis point • Whether the following distance is proper • Whether the driving speed is appropriate