

# GlobalLogic

A Hitachi Group Company

## AI-powered fleet management transformation: safer roads, lower costs

A leading telematics solutions provider serving thousands of organizations worldwide needed a scalable, AI-driven fleet management platform to enhance driver safety, operational efficiency, and data governance. GlobalLogic's expertise in IoT, cloud infrastructure, and data engineering transformed the client's telematics ecosystem, driving:

**80%**

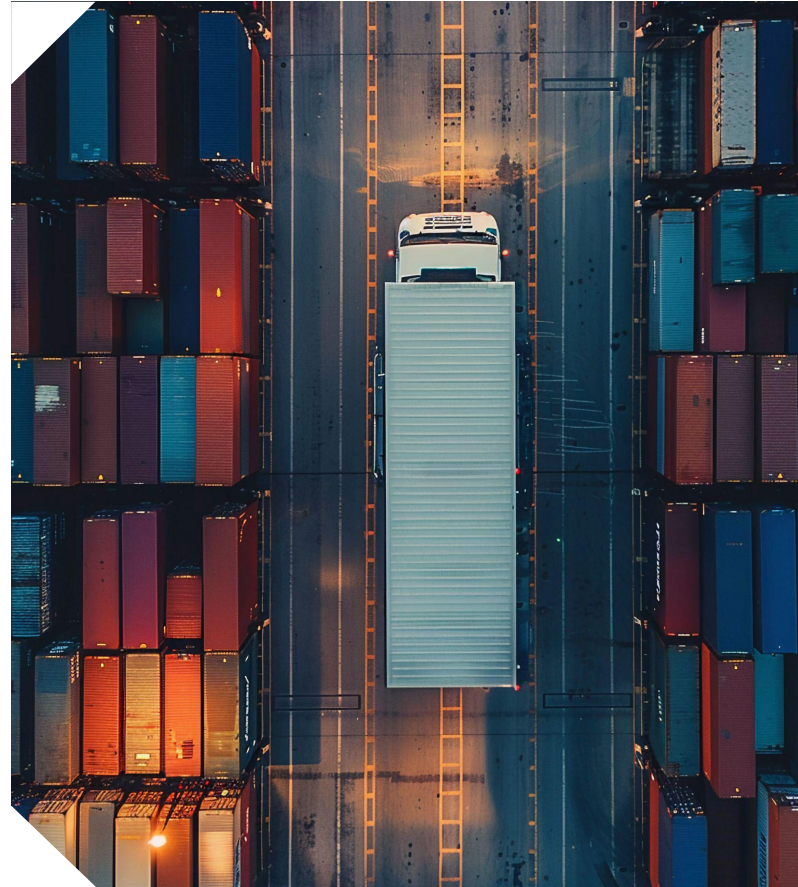
reduction in claim costs

**95%**

mAP accuracy for face detection

**\$1.7B**

in claims cost savings in 2023



# Opportunity

This leader in fleet telematics and video-based safety solutions, faced several challenges:

- **Fragmented and inconsistent data** from various sources hindered business insights and customer preference management.
- **Legacy on-premise systems** limited driver safety program efficacy and operational efficiency.
- **Data privacy and governance gaps** created compliance risks and inefficiencies in decision-making.

The company needed to modernize its IoT and cloud infrastructure while ensuring compliance with industry regulations like ISO 27001 and NIST 800-53.

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# Value Delivered

- Developed a **cloud-native big data platform** integrating diverse data sources for real-time insights.
- Implemented **AI-powered driver safety analytics**, detecting risky behaviors using dashcam feeds.
- Enabled automated data governance and anonymization, ensuring **95%+ accuracy in PII protection**.

# Impact

- **80% reduction in claims costs** with AI-driven driver coaching and behavior monitoring.
- **95%+ accuracy** in visual data protection with inference time below 100ms.
- Strengthened **data security & governance** for compliance and decision-making.
- Improved operational efficiency with predictive maintenance, **reducing fleet maintenance costs**.