

# GLEC AI DTG

World-Class AI Transformation Platform

World's leading integrated solution for transforming old freight  
trucks into advanced AI vehicles  
AI-based safety enhancement and international standard  
carbon measurement and reduction system

# AI Transformation (AX) for Old Freight Trucks

Upgrade existing freight trucks to smart vehicles with cutting-edge AI technology

Simultaneously achieve driver safety and environmental protection



## AI-Based Driver and Cargo Safety Enhancement

Detect driver fatigue, drowsiness, and distraction through real-time AI inference and provide immediate alerts. Continuously monitor cargo status to prevent accidents and ensure safe transportation.

## AI-Based International Standard Carbon Measurement and Reduction

Precise carbon emission measurement system complying with ISO-14083 international standards. Monitor real-time carbon emissions and maximize fuel efficiency through AI optimization to effectively reduce carbon emissions.

# GLEC AI DTG

Next-generation AI digital tachograph that monitors and optimizes driver safety and vehicle efficiency in real-time



## AI Transformation(AX) for Old Freight Trucks



## Real-time AI Inference System

Immediate risk detection and response possible with high-precision sensors and edge AI computing.  
Real-time analysis of driver status, road conditions, and cargo status to prevent accidents and ensure safe operation.

## LTE Connectivity & Cloud Integration

Transmit real-time data to the cloud through cost-effective LTE network and provide insights through big data analysis.  
Real-time integration with vehicle control center enables immediate response and optimization.

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# GLEC AI Dashboard

Integrated AI dashboard system that visualizes and analyzes vehicle operation data in real-time to provide optimal transportation efficiency

The screenshot displays the GLEC AI Dashboard interface. On the left, a sidebar menu lists 'Real-time Dashboard', 'Data Collection', 'Real-time Monitor', 'AI Data Analysis', 'AI Inference Engine', 'Analysis Reports', 'Pattern Analysis', 'Predictive Analysis', and 'System Settings'. The main area is divided into several sections: 'Real-time DTG DATA' showing vehicle speed (90 km/h), engine rpm (2426 rpm), fuel efficiency (7.5 km/L), and CO2 emissions; a 3D model of a truck with various view options (Wireframe, Polygon, Solid); 'AI URGENCY ANALYSIS' showing normal driving status with confidence 98.2%; and two 'Voice AI' modules. The top module shows a 3D truck model and a message from 'Voice AI' stating 'Hello! I'm the GLEC DTG AI assistant. How can I help you?'. The bottom module shows a message from 'Voice AI' stating 'Hello! I'm the GLEC DTG AI assistant. How can I help you?' and a 'Standby' status indicator.

## Real-time Data Visualization

Intuitive interface allows drivers and managers to grasp all information at a glance.

Monitor and analyze all data including vehicle location, route, fuel consumption, carbon emissions in real-time.

## AI Voice Conversational Agent

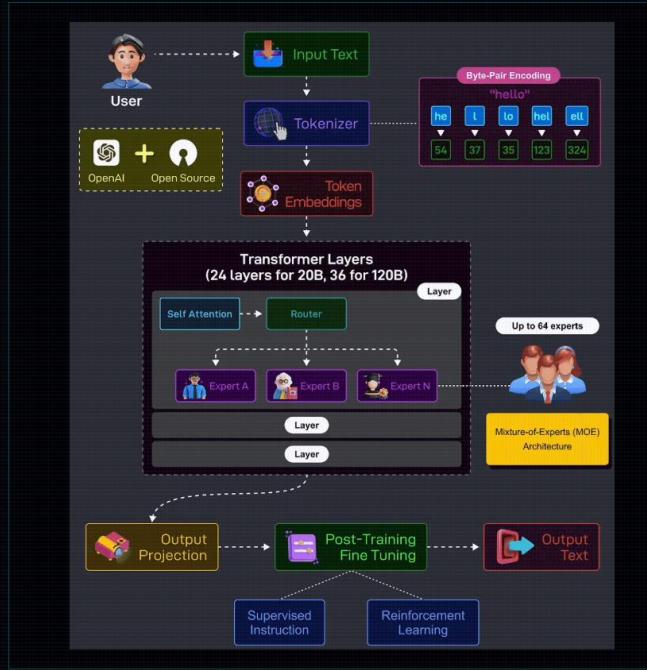
Real-time AI voice recognition and conversation system provides immediate emergency safety alerts to drivers.

Voice warnings during hazardous situations reduce accident rates by over 20%, supporting safe driving through natural conversations with drivers.

# Cutting-Edge AI & API Technology

GLEC AI - 20B LLM Real-time Inference Engine

AI SAFETY



## 20B Parameter LLM

4-bit quantization for real-time inference with embedded weights from accident-prone area datasets (weather, time, location patterns)

## Real-time Data Integration

CAN Protocol data, GPS tracking, live traffic incidents, and congestion information processed as real-time embedding weights

## Vehicle Context Protocol (VCP)

Proprietary data integration standard for analog truck sensors, enabling extended embedding weights from legacy vehicle systems

## Urgency-based Inference

Context-aware AI that prioritizes safety and carbon reduction with differential sensitivity, delivered through real-time voice agent

40%

ACCIDENT REDUCTION

20B

PARAMETERS

<100ms

RESPONSE TIME

# Cutting-Edge AI & API Technology

GLEC API - ISO-14083 Carbon Measurement Platform

CARBON NEUTRAL



## ISO-14083 Standard

Complete API implementation of international freight carbon emission measurement standard for global compliance

## Real-time Quantification

Instant carbon footprint calculation enabling eco-driving awareness and behavior modification for drivers

## Supply Chain Reporting

Enterprise-grade carbon emission reporting for regulatory compliance and sustainability initiatives

## Carbon Credit Infrastructure

Core platform for transport carbon credit issuance, enabling monetization of emission reductions

## Seamless DTG Integration

GLEC API works in perfect harmony with GLEC DTG hardware, creating a comprehensive ecosystem for sustainable logistics transformation. Real-time data from vehicles flows through our API, providing actionable insights for both drivers and fleet managers.

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# READY TO TRANSFORM YOUR FLEET?

Join the AI innovation in transportation. Experience world-class safety, efficiency, and environmental benefits with GLEC AI DTG solutions. Contact us today to start your digital transformation journey.



## Meet Us at CES 2026

### Experience the Future of AI Transportation

Join GLEC at the world's most influential tech event. Discover our innovative AI DTG solutions and see how we're transforming the transportation industry with cutting-edge artificial intelligence.

#### Dates

January 6-9, 2026

#### Location

Las Vegas, Nevada

#### Venue

Eureka Hall

#### Booth

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