



GLEC Meeting Proposal 2025

**Freight transportation decision-making automated
by AI through an Edge AI tachograph and a Fleet AI platform**

GLEC Inc.



GOOD NEWS

GLEC AI Tachograph CES Innovation Awards 2026

Honore in Logistic AI

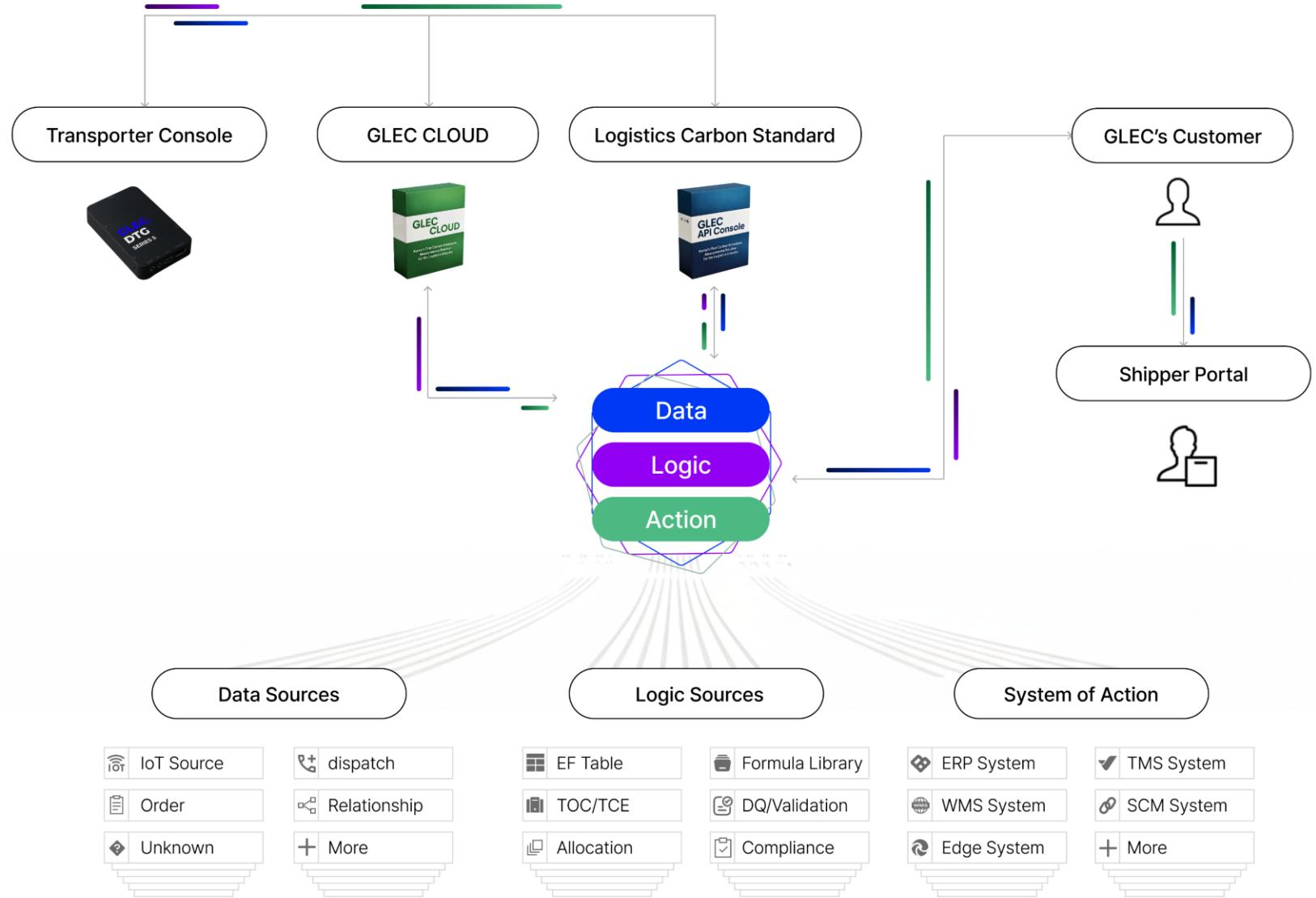
★ GLEC.



GLEC Inc.

We are a company that possesses logistics carbon emissions engine technology based on ISO-14083, covering everything from software to hardware (IoT carbon/drive recorders).

ONTOLOGY SDK



DATA
LOGIC
ACTION
↳
DECISION

01. Problem: Urgency of the AX for Freight Trucks

Due to the inability to collect data from 99.9% of freight trucks, massive losses are being left unattended.

Currently, losses caused by unmanaged freight truck operations are not being prevented.

Operation

Empty-run rate: United States 27% / Korea 40% / United Kingdom 28%

Safety

Freight truck accident rate: 3.7% / (503,000 Case)

Fatality rate in freight truck accidents: 1.05% / (5,279 Case)

Carbon

Periodic carbon emissions measurement performed by less than 10% of freight trucks



Loss of USD 1,752 per freight truck per year

- Opportunity cost from improving empty-run inefficiency (Average annual driving distance: 100,000 km)
- If the empty-run rate improves from 27% → 22% (5% reduction), this reduces 5,000 km. 5,000 km ÷ 3L (fuel efficiency) = USD 1,555 per year

Massive losses per single freight truck accident

- Re-dispatch cost (U.S. long-haul baseline) : → USD 2,715
- Insurance premium increase: USD 1,765–USD 3,530
- Shipper compensation: → USD 40,748–USD 271,655 (If exceeding insurance limits, borne by company)
- Fatal accident losses: USD 882,422–USD 8,824,221 (Compensation to bereaved families, legal liability, administrative penalties, indirect costs)

Carbon-related losses: USD 564 per freight truck per year

- Well-to-Wheel emissions = $89.3 \times 1 \text{ truck} \times 90\% = 80.4 \text{ tCO}_2/\text{year}$
- U.S. carbon credit market price (avg. USD 4.8/tCO₂) = USD 340 per truck/year
- U.S. EPA Social Cost of Carbon (USD 190/tCO₂) = USD 13,580 per truck/year (social loss)

Logistics companies need AX technology for freight trucks that can “prevent losses”.

Case of U.S. Mid-sized 3PL Company D



× Owns 1,000
freight trucks

Operational losses:
USD 35 million per year

Safety and carbon-related losses:
USD 12 million per year

**Need to prevent USD 47 million in
annual losses**

Case of export-focused carrier H



× Operates
200 trucks

Operational losses:
USD 7 million per year

Safety and carbon-related losses:
USD 3 million per year

**Need to prevent USD 10 million in
annual losses**

Our customers need AX technology for freight trucks that can provide “premium services”.

In the digital transformation of the taxi industry (Korea's No.1 taxi platform: Kakao Taxi),
the economic moat of demand was the key factor driving technology adoption.

AS-IS

Traditional transportation competitiveness
= Freight rate price competition



Transportation bidding
competitiveness



Damage from low freight rates is
passed on to drivers

TO-BE

Green Label carbon & safety-tracked
transportation service



Transportation bidding
competitiveness



Black Label low-carbon &
safety transportation service

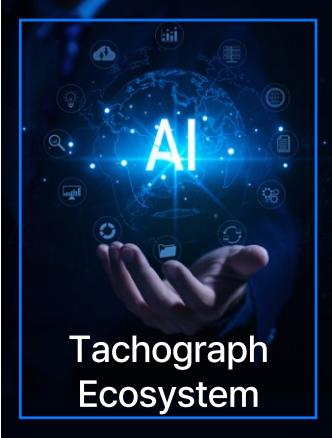


Transportation bidding
competitiveness



02. Growth potential of the tachograph ecosystem and market

AI Tachograph: Upgrading 320 million analog freight trucks worldwide to a new AI-based operating system



1st Generation	Digital Tachograph (communication / non-communication)	Mandatory installation for driving record keeping	  
2nd Generation	Smart Tachograph (intelligent)	Transmission of driving records for government-mandated reporting	  
3rd Generation	Carbon Tachograph (carbon-measurement type)	Used for measuring/reporting carbon emissions of freight trucks	
4th Generation	AI Tachograph	New operating system for freight truck operations	

— Difference between AI Telematics and AI Tachograph

AI Telematics	AI Tachograph
Edge AI embedded inside dashcams (telematics)	Edge AI embedded inside the tachograph
Optionally installed to improve driver safety	Improves operational, safety, and carbon efficiency through AI while complying with mandatory installation
Limitations in collecting data from other sensor devices	Integrated collection and analysis of data from other sensor devices

— Global market outlook for telematics

Year	Value (Billion \$)
2024	58.4
2030(E)	123.6

Unit: Billion \$

*Resource: Grand View Research: Commercial Vehicle Telematics Market Size Report, 2030

05. Corporate Identity

Leading the freight transport industry trend with next-generation tachographs equipped with the latest regulatory compliance and AI technology

Independent development of tachograph technology

World's first dual-CPU Edge AI DTG

- Dual CPU architecture (STM32 + Qualcomm)
- Full compliance with the ISO-14083 international standard
- Real-time AI decision-making within 1 second



Korea's No.1 freight truck data processing capability

3 years of accumulated pilot data

Pilot Fleet	Daily average	Accumulated period	International certification	Data quality
500 trucks	34 million records	3 years	SFC certification	ISO-14083

Possession of outstanding logistics-specialized **Vertical AI**

Integrated AI across the three core domains of Operations · Safety · Carbon

- Fleet AI: Integrated decision-making using 20+ variables, 15% reduction in empty-run rate
- Safety AI: Integration of 10+ sensors, accident prediction, 20% reduction in accident rate
- Carbon AI: International-standard freight truck carbon measurement, logistics carbon verification support

Enterprise Fleet AI Platform Service 1st

Decision-making automation through Fleet LLM agentic workflows

- Replaces manpower for consolidated-load decision-making to improve operational efficiency
- Continuous AI upgrades
- Secures transport competitiveness through premium transportation services



GLEC Inc.

A company leading the logistics industry's carbon-neutral transition (GX) and AI transition (AX) through the integration of tachographs, Edge AI, and AI platforms

Profitability

Established an operating leverage structure through upfront investments in R&D and server infrastructure

Accumulated internal+external investment over the past 3 years
USD 1.02M

Operating R&D expenses
USD 0.68M

Server CAPEX
USD 0.14M

Stability

500-truck pilot completed / Deployment underway with major logistics enterprises



Scalability

- Dual CPU architecture → General-purpose Edge telematics hardware
- Fleet LLM → Applicable to other industries
- ISO-14083 engine → Global standard



06. Next-generation tachograph (driving recorder) & Fleet AI platform

Green Label transport · Black Label transport

We provide transportation company customers with premium transport service infrastructure that allows them to receive higher freight rates. Customers secure competitiveness in transportation bidding and transportation order acquisition while simultaneously reducing safety risks, carbon emissions, and costs.

AI Tachograph (AX)

Integrated safety and efficiency management leads to lower accident rates and higher profits.

Provision of Black Label transport service infrastructure

Integration with other freight truck sensor devices (weight sensors, dashcams, temperature sensors, etc.)

Provision of low-carbon + high-safety + high-quality premium transport



CES Innovation Award winner



GLEC solution ecosystem

Carbon Tachograph (GX)

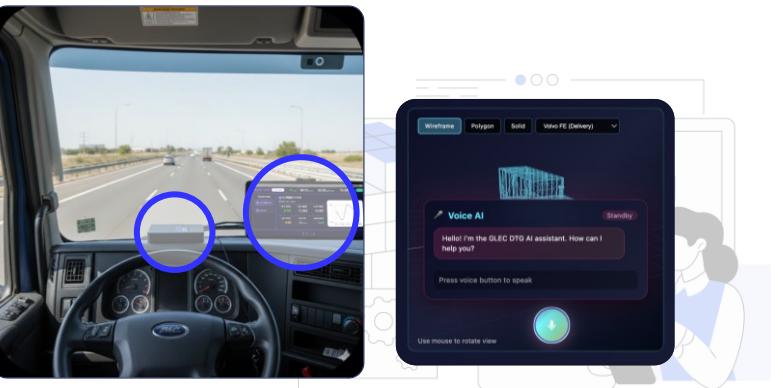


Provision of **Green Label transport service infrastructure** through ISO-14083-based freight truck carbon measurement Solution supporting mandatory Scope 3 reporting for shipper companies automatic measurement and reporting of carbon emissions per transport job Strengthening ESG bidding competitiveness through Green Label transport

ISO-14083 international certification



Freight truck AX·GX platform/APIs

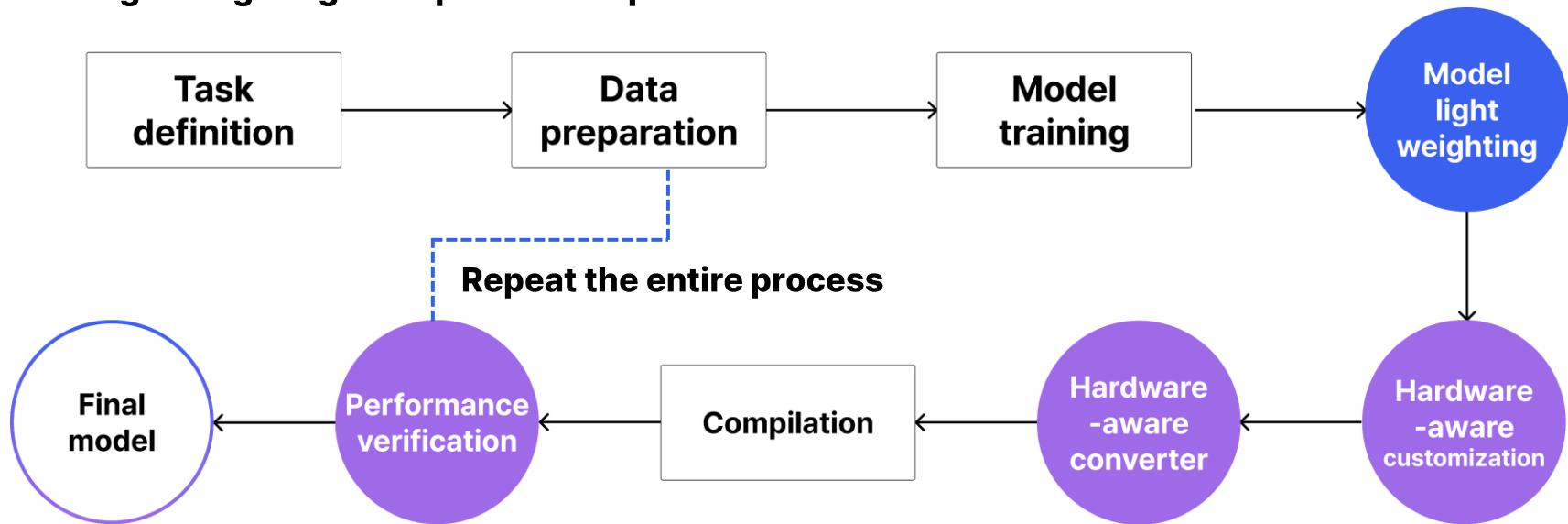


Next-generation AI vehicle control platform based on tachograph API integration and logistics LLM 80% automation of AI-based vehicle control decision-making (operations · safety · carbon) API integration available with existing TMS/WMS/ERP systems

07. GLEC core technological capability

Edge AI and logistics-specialized simultaneous model lightweighting (quantization/pruning) technology and optimization training (LoRA/knowledge distillation) technology

GLEC AI lightweighting and optimization process



GLEC core technological capability

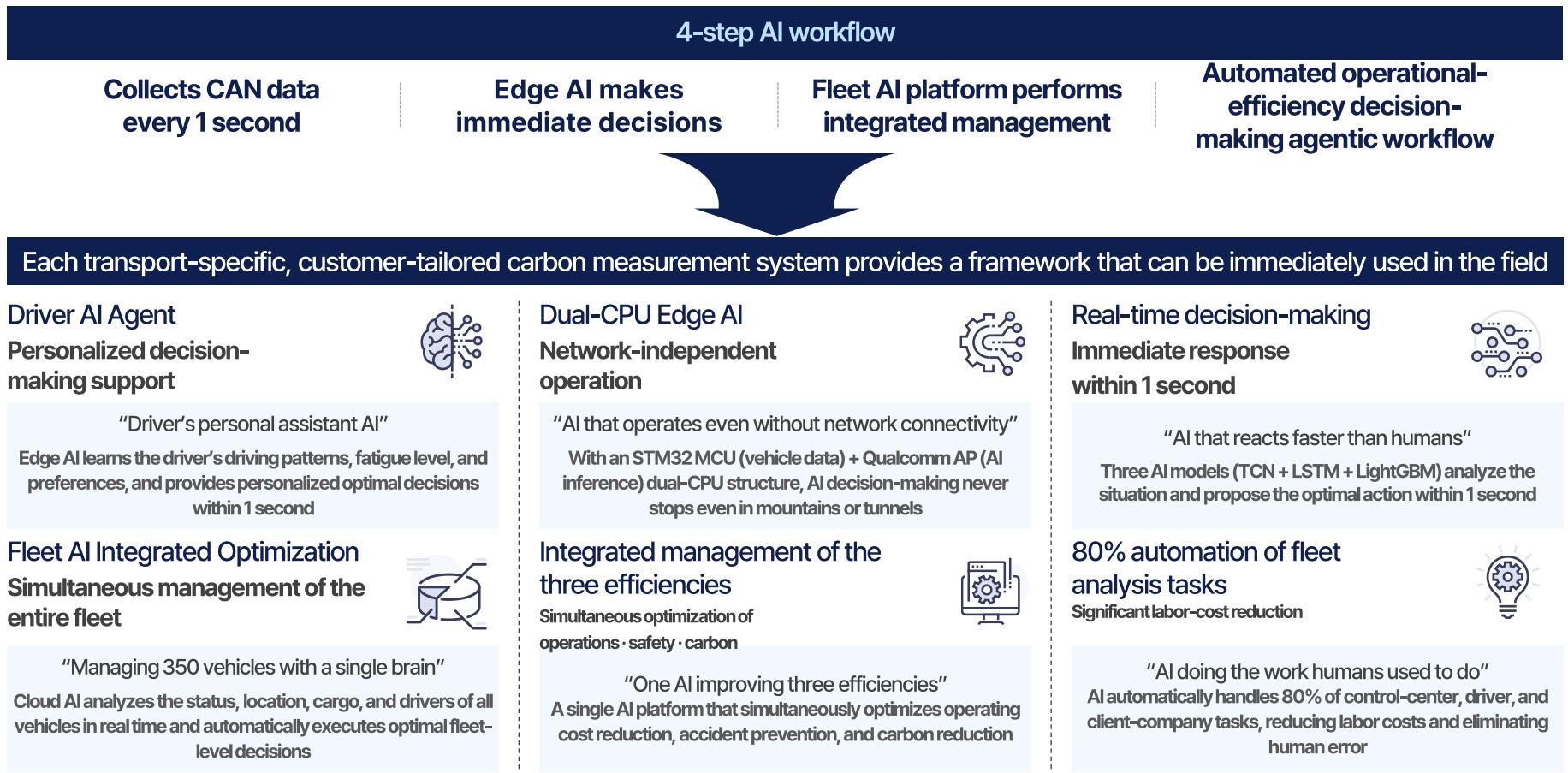
Light weighting Minimizing AI model size and computation while preserving accuracy

Optimization Efficient training using minimal GPU resources while preserving accuracy

08. Differentiated Edge AI and Fleet AI technology

The Edge AI embedded in the tachograph acts as the driver's AI agent, and the Fleet AI platform optimizes the entire fleet to simultaneously improve operational, safety, and carbon efficiency

- With a dual AI architecture of Edge AI (vehicle) + Fleet AI (cloud), full automation of decision-making in operations, safety, and carbon tasks is achieved.



[Edge AI – Real-time decision-making at the vehicle level]

(1) Dual-CPU architecture: STM32 MCU (control) + Qualcomm AP (AI inference), (2) Three AI models: TCN (prediction) + LSTM-AE (anomaly detection) + LightGBM (classification),

(3) Response speed: 0.1–0.5 seconds (16–80 times faster compared to competitors' 5–10 seconds), (4) Independent operation: Edge AI operates autonomously even when the network is disconnected

09. GLEC Carbon Digital Tachograph Introduction

The Carbon Tachograph (CTG) measures and reports the carbon emissions of freight trucks.

The beginning of Green Label transport service, providing exclusive transport order competitiveness for transportation service customers



Carbon measurement engine built-in

- ISO-14083-based freight truck carbon measurement
- Provides a comparable carbon-emission efficiency index



KC Certification, KTL Certification, Electromagnetic Compatibility Certification



Legal tachograph compliance

- Automatic transmission of driving records to the Korea Transportation Safety Authority (E-TAS)
- Tachograph certification completed, mandatory compliance upon installation

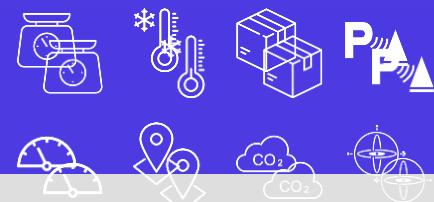
Easy carbon report transmission

- Automatic generation of freight truck carbon reports
- Simple report delivery to transportation service customers

10. GLEC AI Digital Tachograph Introduction

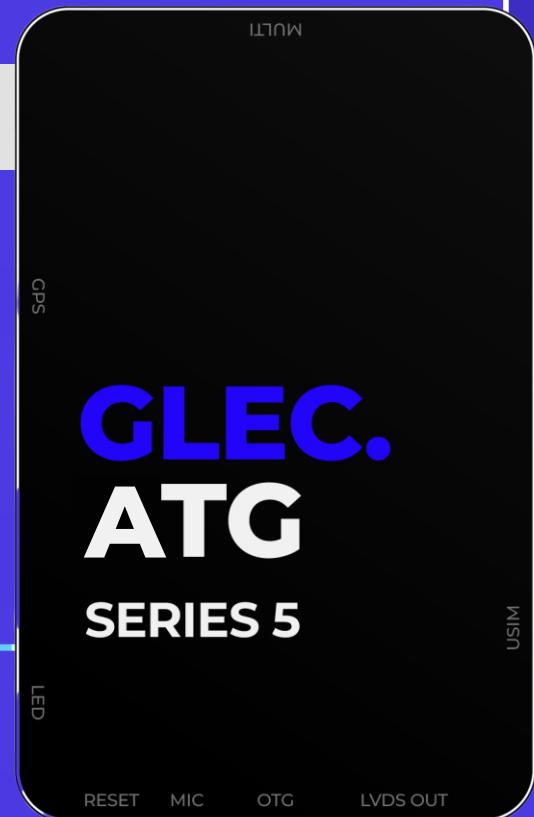
The AI Tachograph (ATG) collects and infers all data from freight trucks simultaneously

Beginning of Black Label transport service, providing large-scale transport bidding competitiveness for transportation service customers



Freight truck digital twin

- High-performance inference and guidance for transport operational efficiency
- High-performance inference and guidance for safety & carbon efficiency



Edge AI voice interaction

- Built-in STT-TTS enables voice conversations with AI
- Covers safety alerts, carbon alerts, and driving schedule management



Integration with other sensor devices

- Built-in multi-port support for external sensor integration
- Bluetooth integration for external sensor devices

11. GLEC ATG H/W

ATG H/W (Edge AI Device)

 Dual CPU
Qualcomm Quad-core

 Connector
OBD II
(Global Standard)

 Display
LVDS : HD

 OS
Android 13

 CAN
High Speed CAN Protocol



12. GLEC SW : API Console, GLEC Cloud

GLEC SW converts freight trucks into an AI-integrated computational system.

Data processing performance within 0.5 seconds, 99% accuracy (KOLAS test results)

AI-based safety optimization

- AI-based safety analysis scoring for each vehicle
- Commercialization of high-safety vehicle fleets as Black Label



AI-based operational optimization

- AI-based dispatch optimization linked with dispatch software
- AI-based brokerage optimization linked with brokerage software

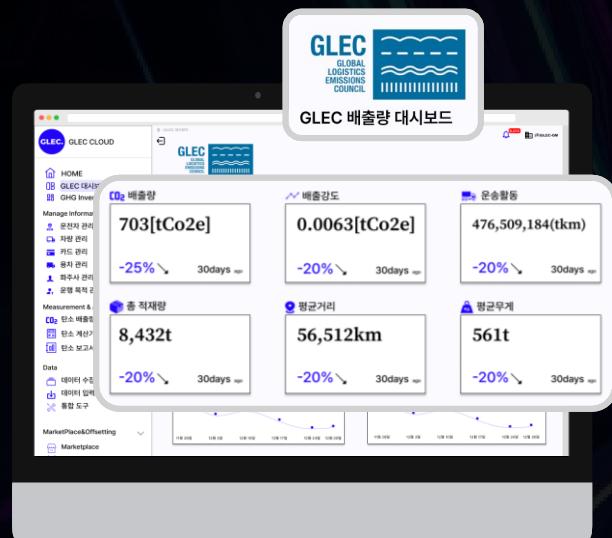
AI-based carbon optimization

- AI-based carbon analysis scoring for each vehicle
- Commercialization of low-carbon vehicle fleets as Black Label

With GLEC AX monitoring, freight trucks' real-time safety and carbon emissions can be efficiently monitored

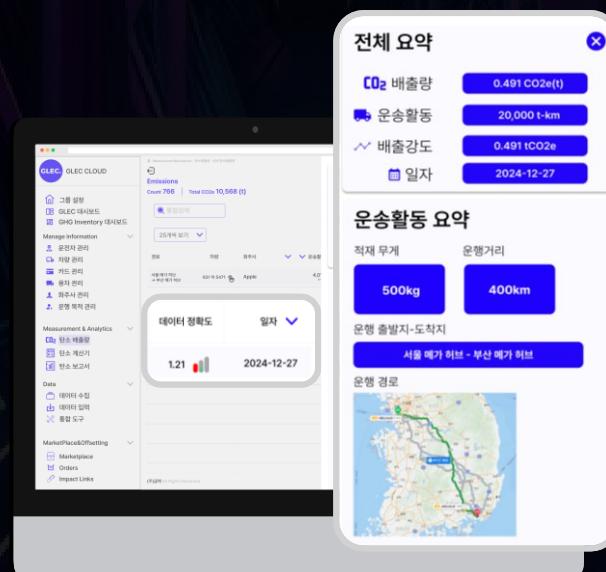
Automatic monitoring of international-standard transport emissions

World-class transport carbon-neutral infrastructure



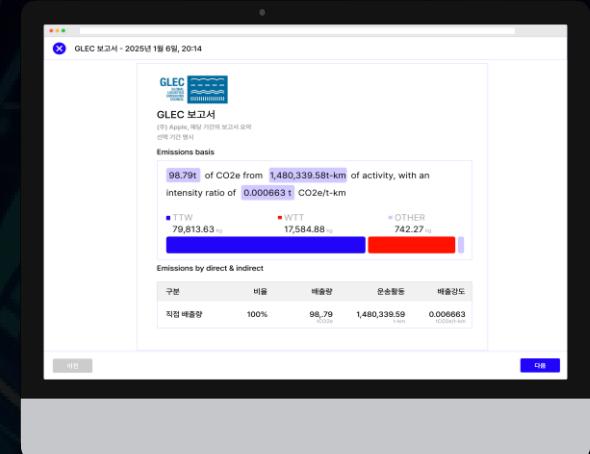
Detailed analysis by transport mode and transport segment

Identification of areas requiring safety improvement / carbon reduction along each transport route



Automatic generation of international-standard transport emissions reports

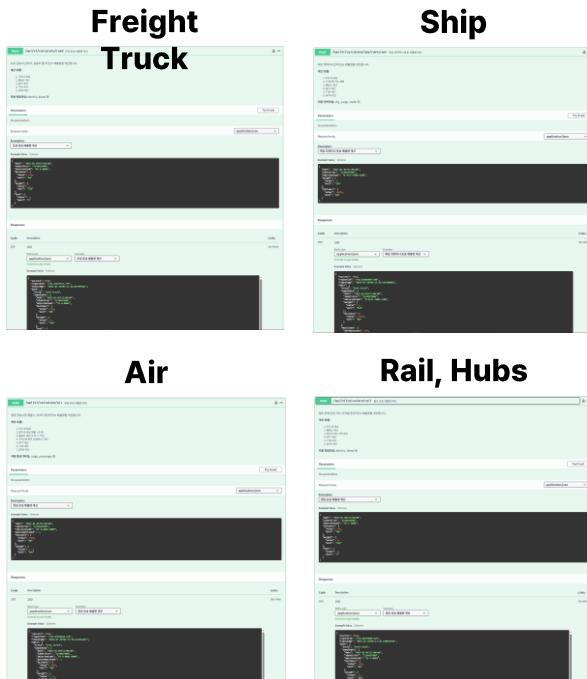
No more need for expensive consulting outsourcing—daily report generation for shipper customers (saving USD 135,833 annually in carbon-emissions consulting costs)



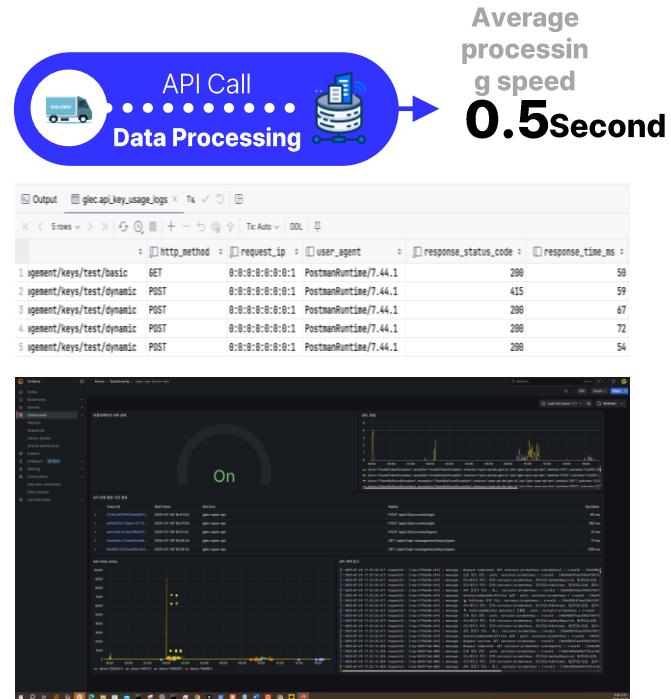
13. LSC API Capability

Logistics Carbon Standard: The only technology in Korea that fully complies 100% with all scopes and all processes of the ISO-14083 international standard for transport carbon emissions

Completion of development of 48 APIs covering all scopes and all processes



Deployment and automatic monitoring of GLEC APIs



Provision of GLEC API Console service for large enterprise customers

14. Customer Cases

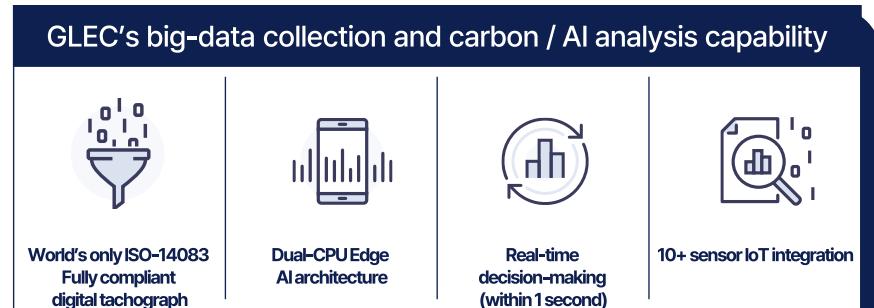
Based on a 500-vehicle fleet control pilot case, contracts are being pursued with logistics hub operators, and major logistics enterprises are incorporating the solution into their business plans and proceeding with adoption.

Carbon Tachograph	AI Tachograph	Freight Truck AX·GX Platform / APIs
<p>Automatic carbon measurement/report generation / Provides Green Label transport capability</p>   <p>BODYFRIEND</p> <p>350 freight trucks controlled for Bodyfriend Voluntary carbon-emissions measurement and reporting</p> <p>150 freight trucks controlled for the brokerage company Pentacall Reporting logistics carbon emissions to shipper companies</p> <hr/> <p>Expected Effects</p> <ul style="list-style-type: none">Automatic measurement of carbon emissions per transport job based on the ISO-14083 international standardCalculation of Well-to-Wheel full-cycle carbon emissionsAutomatic generation of international-standard carbon reports supporting verification by VVBsSecuring bidding/order competitiveness through the provision of Green Label transport services	<p>Integrated freight truck sensor data, Edge AI inference and alerts</p>    <p>Expected increase in cargo safety through real-time driving agents 10%</p> <p>Expected reduction of operating costs through AI-based empty-run reduction 10%</p> <hr/> <p>Expected Effects</p> <ul style="list-style-type: none">Real-time collection of vehicle CAN data and Edge AI-based analyticsReal-time detection and alerts for dangerous driving such as speeding, sudden stops, and rapid accelerationIntegrated analysis of freight truck data to improve driver safety and fuel efficiency	<p>Next-generation Fleet analytics platform based on GX/AX</p>   <p>BODYFRIEND</p> <p>Tracking/prevention of unauthorized driving Fuel-cost reduction Monthly maximum reduction of carbon emissions 10%</p> <p>Provision of carbon reports Attracting Green Label shippers Increase in brokerage revenue 10%</p> <hr/> <p>Expected Effects</p> <ul style="list-style-type: none">Real-time integrated data management through the GLEC Cloud platformSystem integration for logistics companies through API Console linkageOperational optimization and decision-making support with an LLM-based AI engineOptimization of carbon, safety, and cost for the entire fleet through automated integrated Fleet analytics

15. Differentiated customer value: providing an exclusive economic moat

By providing low-carbon and high-safety certified transportation services through real-time carbon and AI analysis, we support freight carriers in escaping low-price competition and securing the premium market.

— Carbon / AI analysis capability advantage



Based on a fleet of 500 monitored vehicles, processes 34 million daily driving data points + 500,000 daily AI analysis data points, securing a 3 year technology development gap compared to competitors.

Major data collected by the GLEC tachograph

Driving data	Location data	Carbon data
CAN protocol-based Speed, distance, fuel, etc. 30.24 million records/day	GPS-based Real-time location and route 3.02 million records/day	ISO-14083-based Carbon emissions per transport job 500,000 records/day
Safety data	Load data	Vehicle data
Speeding, sudden stop, rapid acceleration, etc. Dangerous driving events 50,000 records/day	Cargo weight, load factor, etc. Transport efficiency data 8,750 records/day	Fuel efficiency, maintenance, tires, etc. Vehicle condition data 100,000 records/day

— Providing customers with an exclusive economic moat



- ✗ Unable to measure freight truck carbon emissions → Cannot report to clients
- ✗ Manual analysis → Delayed decision-making (5–10 seconds)
- ✗ Limited sensors → Low data reliability
- ✗ Simple recording → No operational improvement possible

Result

Low freight-rate competition

Shippers' pressure for lower freight rates
Continuous decline in margin rate
Income loss for freight truck drivers

GLEC Tachograph



Logistics companies secure the "operational infrastructure" for premium transport services

Green Label

Black Label

Providing "premium transport services" to transportation-service customers

High freight-rate economic moat

Higher freight rates and increased income even for end drivers

GLEC product lineup

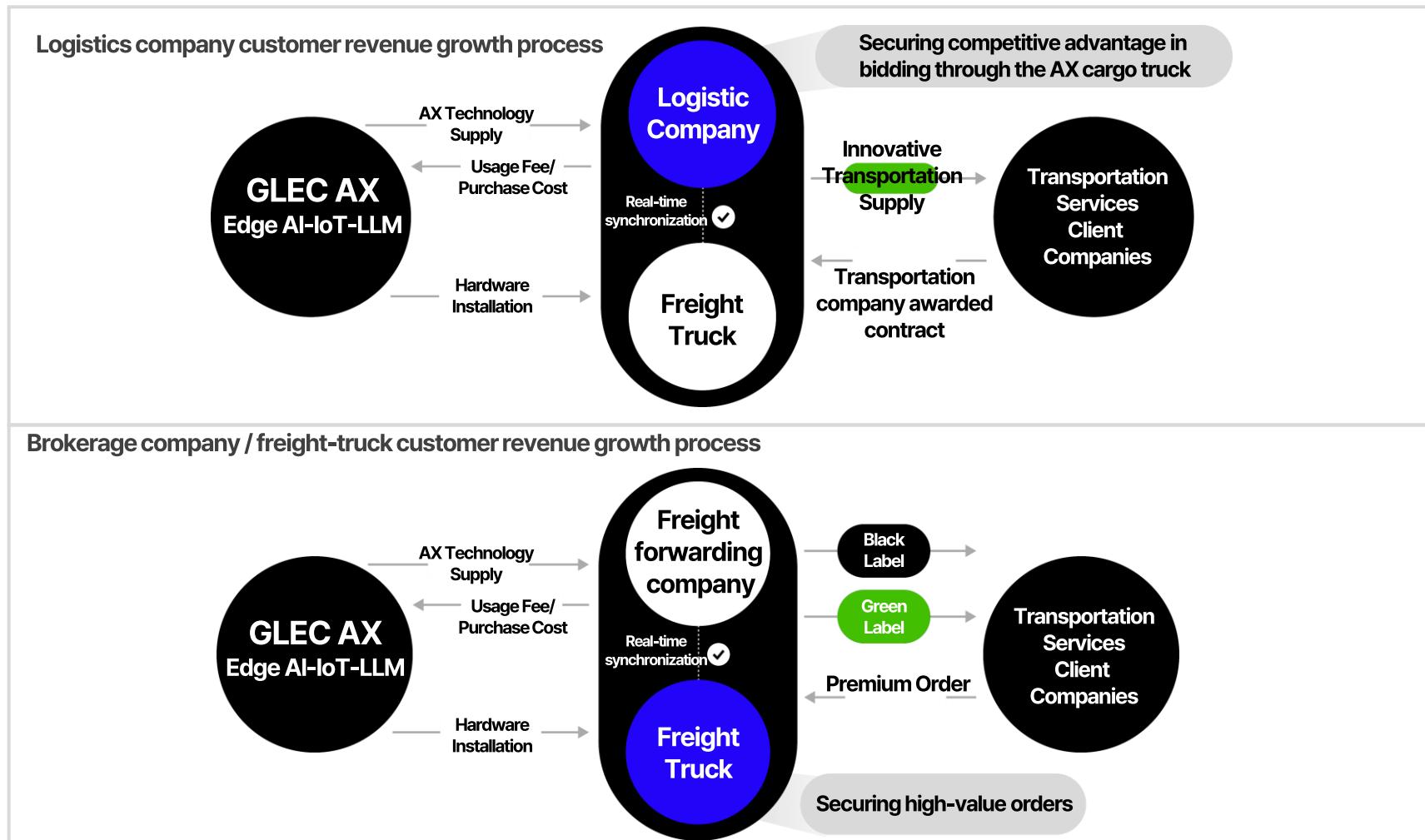
- GX: Green Label transport with real-time carbon data → ESG bidding advantage
- AX: Low-carbon + high-safety Black Label transport → Enables premium pricing

Note 1: Based on full-year 2024 (Company C based on 2020)

Note 2: Companies A, B, and C are all listed companies operating AI-based big-data analytics businesses

15.2 Differentiated customer value: providing an exclusive economic moat

GLEC's solution provides exclusive "bidding competitiveness" and "order competitiveness" through freight-truck AX technology.



16. Certification

— GLEC Tachograph Performance Test Report: Passed 6 Performance Items

(주)글렉

KOSYAS Performance Verified

YAS Performance Verified

DTG Series 5

DTG Series 5

KPV-2025-A07

DTG SERIES 5

성능시험 결과보고서

KOSYAS

2025년 10월 30일

KOSYAS

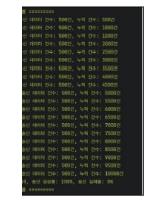
· 능 검증 시험 수행 용역'을
· 성공률', '국제표준 물류
· 지 정확도', 'OTA 펌웨어

TE 전송 속도를 확인
ast 앱으로 LTE 속도를

그림 1)이 구성되어 있



[며, 총 208] 전송되어
것들을 확인하였다.



[KOSYAS Proprietary]
5/40 페이지

[AS Proprietary]
1/40 페이지

7. 시험 결과표

[표 7] 시험 결과표

시험항목	상세내역	결과값	비고
단말기 통신속도	측정된 전송 속도에 대한 평균 전송 속도 계산 (Mbps)	34	Pass
데이터 전송 성공률	데이터 전송 성공률 계산 (%)	100	Pass
국제표준 물류 탄소배출량 산정 정확도	WTW 탄소배출량 산정 정확도 계산 (%)	100 100 100	Pass
배출량 절감 수지 정확도	WTW 탄소배출량 절감 수지 정확도 계산 (%)	99.92 100	Pass
운행 안전 감지 정확도	운행 안전 탐지 정확도 확인 (%)	100	Pass
OTA 펌웨어 업데이트	업데이트 성공률 확인 (%)	100	Pass

16. Certification

— GLEC Tachograph Electromagnetic Compatibility Test Report



발급번호 : KES-EM253347 / 초

방송통신기자재등(전자파적합성) 시험성적서

- 발급번호 : KES-EM253347
- 접수일 : 2025년 09월 17일
- 시험기간 : 2025년 09월 28일 ~ 2025년 10월 01일
- 신청인(상호명) : 주식회사 글렉 (GLEC Inc.)
- 사업자등록번호 : 459-86-02830
- 대표자 성명 : 김은우, 강덕호
- 주소 : 인천광역시 연수구 컨벤시아대로 204, 인스타 1동 3층 315호(송도동, 인천스티트업파크)
- 기자재 명칭 / 모델명 : 차량용 탄소배출 측정 운행기록장치 / GLEC DTG
- 제조자 / 제조국가 : 주식회사 큐디스 / 한국
- 시험결과 : 적합

방송통신기자재등 시험기관의 지정 및 관리에 관한 고시
제14조의 규정에 의하여 시험성적서를 발급합니다.

2025년 10월 15일

㈜케이이에스 대표이사 (인)

주소 : 경기도 안양시 동안구 시민대로 365번길 40, 3701호, 3503호, 3002호(관양동)
전화번호 : 031-425-6200
팩스번호 : 031-341-3638

※ 인증받은 방송통신기자재들은 반드시 “적합성평가표지”를 부착하여 유통하여야 합니다.
위반 시 과태료 처분 및 인증이 취소될 수 있습니다.

본 시험성적서의 시험결과는 신청인이 제출한 시료에 한합니다.

본 시험성적서는 진짜임에 따른 적합성평가 시험성적서이므로 “KOLAS 인정”과 관련이 없습니다.

KES-QP16-P01(00-23-01-01)

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문서번호 : KES-EM253347 / 초

본 시험성적서는 ㈜케이이에스의 서면 동의없이 무단 전재 및 복사할 수 없습니다.
이 시험성적서에 대한 문의여부는 당사 홈페이지(www.kes.co.kr)의 문의처의 페이지에서 확인하실 수 있습니다.

— KC Certificate

C2AC-C760-41AA-1468

방송통신기자재등의 적합등록증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	주식회사 글렉 (GLEC Inc.)
기자재명칭(제품명칭) Equipment Name	차량용 탄소배출 측정 운행기록장치
기기부호/추가 기기부호 Equipment code /Additional Equipment code	AUT11
기본모델명 Basic Model Number	GLEC DTG
파생모델명 Series Model Number	
등록번호 Registration No.	R-R-GLEC-SERIES5
제조자/제조국가 Manufacturer/Country of Origin	주식회사 큐디스/한국
등록연월일 Date of Registration	2025-10-15
기타 Others	

위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.
It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

2025년(Year) 10월(Month) 15일(Day)

국립전파연구원장



Director General of National Radio Research Agency

※ 적합등록 방송통신기자재는 반드시 “적합성평가표지”를 부착하여 유통하여야 합니다.
위반 시 과태료 처분 및 등록이 취소될 수 있습니다.



16. Certification

— SFC's ISO 14083 International Certification (Completed January 2026)



Application Form: SFC Certification: Tool / Program	
Conformance to ISO 14083 with the Application of GLEC Framework V3	
Organization Information	
Name of Organization Applying for certification:	GLEC Inc. (GLEC ; Green Logistic Emission Calculator)
Name of tool / program to be certified:	GLEC Carbon API Console
Organization type:	<input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Non-profit
Estimated annual turnover	<input checked="" type="checkbox"/> < EUR 1 million <input type="checkbox"/> EUR 1-3 million <input type="checkbox"/> > EUR 3 million (Please fill out the estimated figure here and send us a copy of the latest annual report)
Contact Information	
Main Contact:	Jaewon Ji(Product manager), Jonathan Yoon(Global Advisory)
Address:	#315, Insta-1, Incheon Startup Park, 204, Convensia-daero, Yeonsu-gu, Incheon, South Korea
Telephone:	+8210-4481-5189
E-mail:	contact@glec.io
Invoice Contact:	admin@glec.io , contact@glec.io
Billing Address:	#315, Insta-1, Incheon Startup Park, 204, Convensia-daero, Yeonsu-gu, Incheon, South Korea
VAT:	459-86-02830(South Korea)
E-mail (Invoice contact):	admin@glec.io , contact@glec.io
PO/Reference (if needed):	SFC-CERT-2025-01(Please send us a quotation for the certification fee.)
Program/Tool Information	
Type:	<input checked="" type="checkbox"/> Tool <input type="checkbox"/> Program
Secretariat:	#315, Insta-1, Incheon Startup Park, 204, Convensia-daero, Yeonsu-gu, Incheon
Region(s) covered:	South Korea(Road/Rail/Logistic Hub), Global(Sea/Air)
Mode(s) covered:	road, sea, rail, air, and logistics hub
Terms and Conditions	
Have you read the Terms of Reference (ToR) for GLEC Certified Partners?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
I hereby agree with the attached Terms of Reference (ToR)?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
I understand that SFC will issue an invoice (ominated in EUR) at the signing date of the ToR. A 30 days payment condition will apply to the invoice. If my organization requires, we will inform SFC about a Purchase Order number.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Do you agree to align with the principles of the GHG Protocol Corporate Value Chain Accounting Standard in terms of full well-to-wheel, GHG (CO ₂ e) emission reporting, identifying scope 1, 2 and 3 breakdown of emissions when requested by your members/clients?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
On behalf of I hereby apply to SFC for certification of conformance to ISO 14083 with the Application of GLEC Framework V3.	Signed:  Date: 04/11/2025

P.O. Box 11772 | 1001 GT Amsterdam | Netherlands
Tel: +31 646 95 44 05 | Email: info@smartfreightcentre.org | www.smartfreightcentre.org

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— Ministry of Oceans and Fisheries, Republic of Korea Certification of Excellent Logistics Technology (Completed January 2026)

2025년
우수물류신기술 지정 신청기술

선행기술조사서

ISO-14083 국제표준 기반 LTE통신형 운송건별 실시간
탄소배출량 자동측정 화물차용 운행기록장치(DTG)

신청기관 : 주식회사 글래
주관기관 : 해양수산과학기술진흥원
수행기관 : (주)IPS

- 구성요소 B와 관련하여,**
유사특허 4는 차량의 활동 모니터링을 위한 제어기 및 상기 모니터링 제어기와 연결된 애
플리케이션 제어기의 듀얼 프로세서 구조인 점에서 유사하나,
WTW(Well-To-Wheel)산정엔진을 통한 탄소배출량을 계산하기 위한 듀얼 프로세서가 아님
- 따라서, [구성요소 A]의 WTT, TTW결과를 통합하여 tkm, 공차율, 운송활동강도 기반의
WTW 탄소배출량을 산출하는 점 및 [구성요소 B]의 운행데이터 수집을 위한 프로세서, 탄
소배출량 데이터 처리를 위한 프로세서의 듀얼 프로세서를 개시하고 있는 문헌은 검색되지
않으므로, 본 신청기술은 유사특허들 대비 차이가 있는 것으로 판단됨
- 신청기술의 WTW(Well-To-Wheel)산정엔진을 통해 WTT(연료생산)과 TTW(연료소비)결과를
통합하여, 거리, 중량, 공차율 운송활동 강도 기반의 운송건 단위 탄소배출량을 계산을 위한
듀얼 프로세서 기술을 부각시킴으로써, 권리 획득 가능성을 높일 수 있을 것으로 판단됨



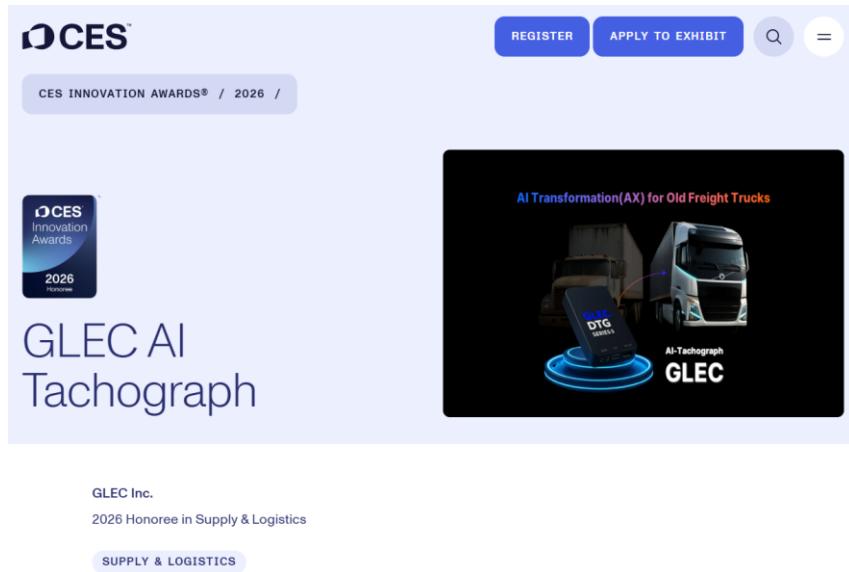
* 본 조사는 우수물류신기술 지정 평가 참고를 위한
일반적인 선행기술자료로서 어떠한 법적 효력도 갖지 않음

- 1 -

17. 26 CES Innovation Awards Honoree

— 26 CES Award Winners Homepage Listing

<https://www.ces.tech/ces-innovation-awards/2026/glec-ai-tachograph/>



— CES Innovation Award Winners Domestic and International Media Coverage

한국경제 [\[+\]](#) 구독

글렉, 'CES 2026 혁신상' 수상…AI 타코그래프로 글로벌 물류 시장 주목

입력 2025.11.10. 오전 9:51 [기사원문](#)

전자신문 [\[+\]](#) 구독

글렉, AI 타코그래프로 'CES 2026 혁신상'…LLM 탑재 물류 안전 기술 혁신

이원지 기자 [\[+\]](#) TALK
입력 2025.11.10. 오전 10:50 [기사원문](#)

스타트업

물류 탄소 측정 스타트업 글렉, CES 2026 혁신상 수상

Platum · 2025.11.11

서울경제 [\[+\]](#) 구독

글렉, CES 혁신상 수상…AI 물류 안전 기술로 글로벌 시장 공략

입력 2025.11.10. 오전 10:04 [기사원문](#)