

CARBON EMISSIONS AND CARBON REDUCTION PROJECT

about DATA1

50% Battery Discharge Energy Recovery Technology to Achieve Philippines' National Greenhouse Gas Reduction Target (NDC)

- ✓ Up to 50% Reduction in Charging Power Consumption for Two- and Three-Wheeled Electric Motorcycles
- ✓ Enabling the Achievement of Carbon Neutrality Targets in the Transportation Sector

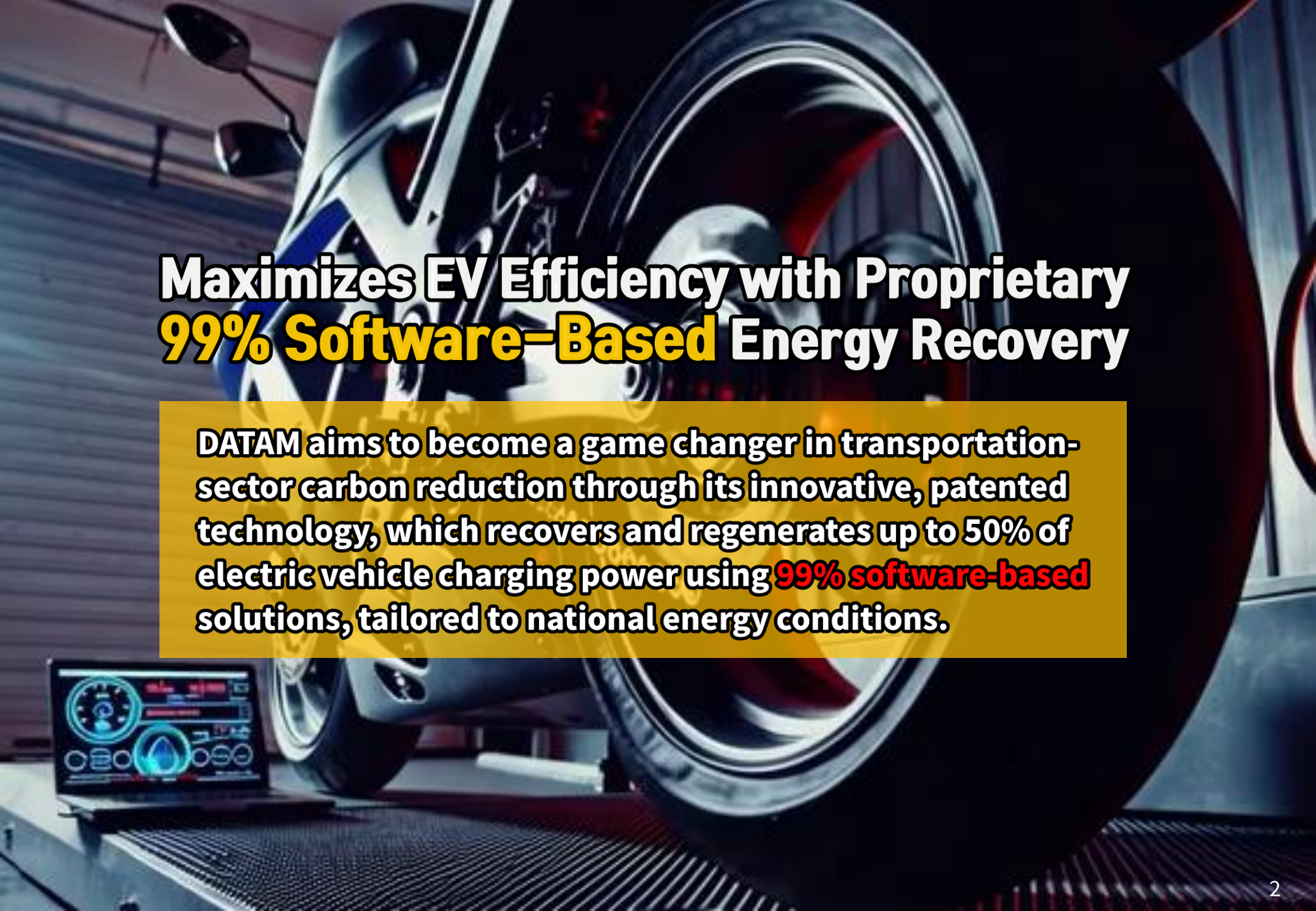
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DATA1 KOREA
Motion Reimagined

REGEN POWERTRAIN is currently advancing technology standardization initiatives across 11 countries, with the objective of securing a dominant market share in the global personal mobility market.

**Key Countries Promoting
Technology Standardization for
National Vehicles and
Two- and Three-Wheeled Transportation Systems**

Republic of Korea
China
Vietnam
Indonesia
The Philippines
India
Sri Lanka
Bangladesh
Cambodia
Malaysia
Laos

The background image shows a blue and white electric vehicle, possibly a scooter or small car, positioned on a test track. The vehicle is angled towards the right. In the lower-left foreground, a laptop is open, displaying a dashboard with various gauges and data points, likely monitoring the vehicle's performance. The overall scene is set in a dimly lit environment, possibly a garage or testing facility, with a focus on the vehicle's rear wheel and the laptop screen.

Maximizes EV Efficiency with Proprietary 99% Software-Based Energy Recovery

DATAM aims to become a game changer in transportation-sector carbon reduction through its innovative, patented technology, which recovers and regenerates up to 50% of electric vehicle charging power using 99% software-based solutions, tailored to national energy conditions.

The Miracle of “1cm”



Brake **Lever**
and
Brake **Pedal**

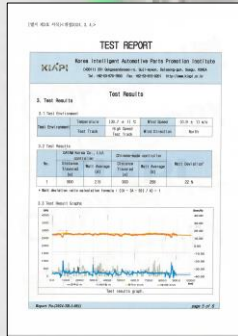
Patented No. 2227541
and many others



“This is Magic Chip”

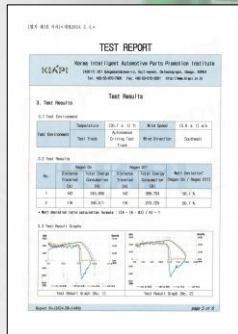
Certified Test Report for **REGEN POWERTRAIN**

Certified and Registered by the KAPA under MOLIT, Ensuring Unmatched Credibility and Compliance.
(Test certified by KIAPI under the Ministry Of Land, Infrastructure and Transport)



No.	DATAM KOREA controller		Chinese-made controller		Watt Division
	Distance Traveled	Watt Average	Distance Traveled	Watt Average	
1	900	219	900	268	22%

According to tests by the KIAPI, the REGEN Controller improved energy efficiency by **more than 20% compared to other controllers.**



No.	REGEN "ON"		REGEN "OFF"		Watt Division (ON / OFF)
	Distance Traveled	Total Energy consumption	Distance Traveled	Total Energy consumption	
1	142 m	245 .869	142 m	388.703	58.1%
2	116 m	168 .511	116 m	270.725	60.7%

Certified test results show that applying the patented Cognition-Response **REGEN POWERTRAIN** to existing electric motorcycles improves **energy efficiency by over 60%.**

CERTIFICATE

Certification Number : NO. 20241114-1
 Company Name : DATAM Korea Co., Ltd.
 Address : 3rd Floor 17, Teheran-ro 77-gil, Gangnam, 06159, Seoul, Republic of Korea.
 Manufacturer Name : Nano Engineering
 Representative Name : Lee-Chang Deok
 Part name (Part Number) : REGEN Powertrain Regenerative Breaking(REGEN-24-B)

Valid date : 3 Years Since Issued Date

This part is certified according to Regulation of Standard Duty about certified part.

14th of November. 2024

MOLIT Certified Body
ME Test Certification Body

OKAPA
KIAP

Cognitive Response **REGEN POWERTRAIN**

Real-World Driving Test Results

Versus gas-powered motorcycles → **80%** Less **GHG Emissions**

Versus competing electric motorcycles → **30%** Less **GHG Emissions**

[Higher Energy Efficiency vs. Other E-Motorcycles]

Travel Distance

38~61km → **91~101km** • **MAX 130%** Increase

Maximum Speed

58~77km → **81~82km** • **MAX 40%** Increase

Electric Efficiency

20km → **30~33km** • **MAX 60%** Increase

Greenhouse Gases

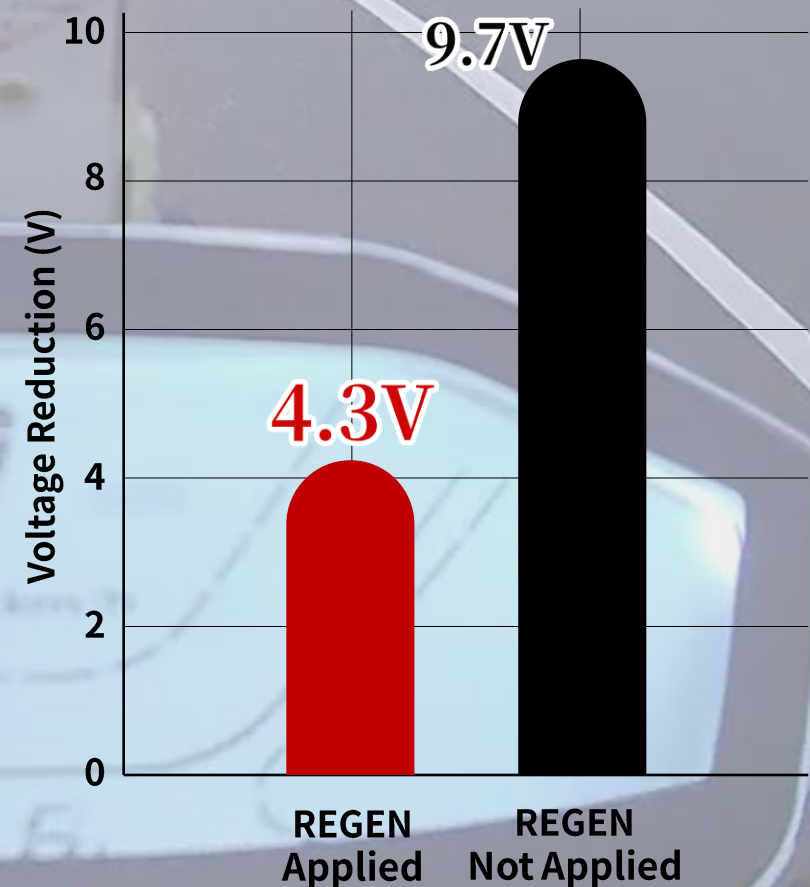
24g CO₂e/km → **14~16g CO₂e/km** • **MAX 30%** Decrease

REGEN POWERTRAIN

Results of a Five-Country Joint Field Demonstration Test Conducted under the Leadership of GIC IHEE (November 8, 2025)

REGEN Application	Voltage Before Operation	Voltage After Operation	Voltage Reduction
Applied (A)	82.1 V	77.8 V	4.3 v
Not Applied (B)	82.1 V	72.5 V	9.7 v

- ✓ (A) 4.3V : **5.24% voltage drop**
(151 Wh consumed, 4.05 Wh/km)
- ✓ (B) 9.7V : **11.81% voltage drop**
(340 Wh consumed, 9.15 Wh/km)
- ※ At the same driving distance, vehicles equipped with REGEN recorded less than half the voltage consumption per kilometer, representing a 55.7% reduction and 1.57× efficiency improvement.



(*) Test Location: **KIAP** 지능형자동차부품진흥원
Korea Intelligent Automotive Parts Promotion Institute

[언론보도] "K-Climate Technology Moves the World"... DATAM KOREA REGEN Validates **55.7% Energy Savings** Through Global Field Demonstrations

DATAM KOREA, together with the GIC International Headquarters for Environment & Energy (IHEE), opens a new chapter toward a sustainable future through science and technology.



<Article Summary>

The DATAM KOREA REGEN System Demonstrates a 55.7% Reduction in Energy Consumption Through Global Field Validation

Through a **Digital MRV-based verification framework**, GIC IHEE is leading a **five-country joint demonstration** to advance international standardization and establish a **cross-border data trust framework** linked to the global carbon market. Leveraging **AI-enabled energy recovery technologies** and strategic MOUs with global partners in **all-solid-state batteries and REGEN systems**, the initiative accelerates commercialization and industrial scale-up, positioning **Korea as a strategic technology hub for carbon-neutral industry transformation**.

https://www.e-patentnews.com/13621#google_vignette

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国际	经济	港澳台	名人访谈
文化旅游	福建侨报	中俄专栏	视频

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K-环境创新领跑全球! DATAM KOREA-REGEN技术实证节能55.7%获国际认证——数字减碳解决方案开启绿色出行新纪元

2025-11-13 11:41:20

波兰环球周报11月8日韩国电 韩国气候技术企业DATAM KOREA近日在GIC国际环境与能源总部 (IHEE) 主导的全球联合实证中取得里程碑式突破, 其自主研发的“REGEN动力系统”在电动摩托车能效测试中实现55.7%的能耗降低与1.5倍效率提升, 为全球交通领域碳中和目标提供了可落地的技术路径。

<http://plhqzb.com/gj/9061.html>

Strengthening the Global Market Entry Foothold Through Strategic Business Cooperation with GIC IHEE

GLOBAL INNOVATION CENTER International Headquarters for Environment and Energy (GIC IHEE)

The **Global Innovation Center (GIC)** is an international science and technology cooperation organization established in **Silicon Valley in 2015**, based on a proposal by **Chinese President Xi Jinping** and collaborative efforts between the **Chinese and U.S. governments**. GIC was founded with the participation of leading global scientists, entrepreneurs, and policy leaders, including scholars from the **Hoover Institution** and **Stanford University's Center for International Security and Cooperation**, as well as former U.S. Secretary of Defense **William Perry** and former U.S. Secretary of State **George P. Shultz**.

Today, GIC has built a global innovation network involving **36 Nobel Laureates**, more than **80 Fortune Global 500 companies**, and over **30,000 technology enterprises worldwide**. It operates branches across **16 countries and regions** spanning the United States, China, Europe, and Asia. GIC maintains its **global headquarters in Silicon Valley**, its **executive headquarters in New York**, and established its **China regional headquarters in Beijing in 2017**, where it actively advances major initiatives.

The **GIC International Headquarters for Environment & Energy (GIC IHEE)**, located in the **Republic of Korea**, serves as GIC's core global hub overseeing the energy and environmental sectors. GIC IHEE focuses on **new energy, green mobility, big data, biotechnology, smart manufacturing, modern agriculture, and advanced materials**, providing integrated services including **international technology cooperation, technology transfer, enterprise incubation, investment, and financial support**.



Nobel Laureates Committee at GIC



Sheldon Glashow
이론물리학자, 미국 과학아카데미 회원
1979년 노벨 물리학상



Thomas Südhof
독일 생화학자
2013년 노벨 생리학·의학상



Ferid Murad
미국 텍사스대학교 휴스턴 의과대학 교수
1998년 노벨 생리학·의학상



Hartmut Michel
Nobel Laureate in Chemistry 1988



Edvard Moser
Nobel Laureate in Physiology or Medicine 2014



Albert Fert
Israeli biologist and chemist
Nobel Prize winner in Chemistry 2007



Mario Molina
Nobel Laureate in Chemistry 1995



Barry Barish
Nobel Laureate in Physics 2017



Shuji Nakamura
Nobel Laureate in Chemistry 2014



Michael Rosbash
Nobel Laureate in Physiology or Medicine 2017



Barry Sharpless
Nobel Laureate in Chemistry 2001



Daniel Shechtman
Nobel Laureate in Chemistry 2011



Christopher A. Pissarides
Nobel Laureate in Economic Sciences 2010



Frances Arnold
Nobel Laureate in Chemistry 2018



Gérard Mourou
Nobel Laureate in Physics 2018



Randy Schekman
Nobel Laureate in Physiology or Medicine 2013



Fraser Stoddart
Nobel Laureate in Chemistry 2016



Aaron Ciechanover
Israeli biologist and recipient of the 2004 Nobel Prize in Chemistry



Hartmut Michel
Nobel Laureate in Chemistry 1988



Ada Yonath
Nobel Laureate in Chemistry 2009



Hiroshi Amano
Nobel Laureate in Physics 2014



Akira Suzuki
Nobel Laureate in Chemistry 2010



Michael Levitt
Nobel Laureate in Chemistry 2013



George Smoot
Nobel Laureate in Physics 2006



Donna Strickland
Nobel Laureate in Physics 2018



James Allison
Nobel Laureate in Physiology or Medicine 2018



Brian David Josephson
Nobel Laureate in Physics 1973

Key Strategic Business Partners of GIC IHEE

Strategic Partners among Fortune Global 500 Companies

GIC IHEE Business Cooperation

Current Status of the REGEN POWERTRAIN and Carbon Credit Businesses

- **广东本铃新能源科技有限公司 (Guangdong Benling New Energy Technology Co., Ltd.)**
 - Signing of a Joint Venture Agreement for REGEN POWERTRAIN Electric Motorcycle Technology and Carbon Credit Business
 - December 7, 2025
- **广东本铃新能源科技有限公司 (Guangdong Benling New Energy Technology Co., Ltd.)**
 - Signing of a Cooperation Agreement on Digital Integration and Carbon Reduction Technologies for New Energy Mobility in China
 - November 27, 2025
- **北京绿色交易所董事长 (Chairman of the Beijing Green Exchange)**
 - Signing of a Joint Development Agreement on National Standardization of Carbon Reduction Innovation Technologies and Carbon Emissions Trading
 - November 26, 2025
- **苏州德加能源科技有限公司 (Suzhou Dejia Energy Technology Co., Ltd.)**
苏州新颢海储能科技有限公司 (Suzhou Xinhaohai Energy Storage Technology Co., Ltd.)
 - Signing of Cooperation Agreements on the REGEN Technology Joint Venture, Technology Transfer for Carbon Reduction Solutions, a Cooperative Framework for the Order of 500,000 Units of 72V 40A Battery Cells, and Collaboration on Battery Production Technology Transfer
 - November 25, 2025

※ Excluding Confidential Agreements (NDAs)

New Carbon Reduction Domains Emerging from the Expansion of AI



**Service
Robots**



**Industrial,
Agricultural
Robots**



**Humanoid
Robots**



**Wearable Robots
(Industrial,
Healthcare)**



**Cargo and Delivery
Robots**



**Military
Wearable
Robots**



**Firefighting
Wearable
Robots**



COMING SOON

REGEN POWERTRAIN
Electric Bicycle **1**



Charge
3000 *km Driving Range*
From Las Vegas
to Bakersfield

about DATAM

about DATAM KOREA

DATAM is a 17 years old company specializing in energy efficiency and low-carbon alternatives for mobile and transportation vehicles based on carbon emission reduction patents to respond to climate change.



- Transition Business of Eco-friendly Vehicle (REGEN TECHNOLOGY)
- Renewable Energy Technology
- Development and establishment of carbon-neutral smart city OS based on self-sufficiency
- WEB 3.0 Carbon Reduction Proof Platform Service Provided
- UN NDCs, CDM, SDM methodology consulting
- ISO/ESG consulting
- Fintech Business consulting
- Holds numerous carbon reduction-related patents



UNFCCC

CCC, CTCN are supporting UNFCCC



Climate Technology Centre and Network

DATAM is a CTCN registered.



CLIMATE CHAIN COALITION

DATAM a Leadership Member.

about DATAM KOREA

**When the city stood still,
the stars returned.**

- Company Name **DATAM KOREA Co., Ltd.**
- Chief Executive Officers **CEO / Chang-Deok Lee**
Chairman / Young-Cheol Lee
- Paid-in Capital **KRW 1.65 billion**
- Date of Establishment **May 15, 2019**
- Core Businesses ♦ **Eco-friendly transportation transition projects**
♦ **Renewable energy technologies**
♦ **Development and deployment of a self-sustaining, carbon-neutral smart city OS**
♦ **Provision of a Web 3.0-based carbon reduction certification platform service**
- Overseas Subsidiaries ♦ **DATAM LIMITED**
♦ **ECO MOBILITY COMPANY LIMITED**
♦ **DATAM VN Ltd.**
♦ **TSK VINA DATAM COMPANY**
♦ **PT. DATAM INVESTMENT INDONESIA**
♦ **PT. DATAM JASA TRANSPORASI**
- ☐ **Headquarters**
3F, Seungkwang Building, 17 Teheran-ro 77-gil, Gangnam-gu, Seoul, Republic of Korea
- ☐ **R&D Center 1**
Haeyang Building, 417-5 Seji-ro, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea
- ☐ **R&D Center 2**
45 Seongseodong-ro 53an-gil, Dalseo-gu, Daegu, Republic of Korea
- ☐ **Manufacturing Plant**
87-23 Gueodeulmit-gil, Oedong-eup, Gyeongju-si, Gyeongsangbuk-do, Republic of Korea

Chairman Young-Cheol Lee, DATAM KOREA

李永哲

Lee Young Chul

- Vice President, Global Innovation Center (GIC)
- Executive Chief Representative of GIC International Headquarters for Environment & Energy (GIC IHEE)
- Member, Climate Chain Coalition (CCC)
- ISO ESG International Auditor & Evaluation Committee Member
- Chairman, Carbon Neutrality Committee, Korea ESS Industry Promotion Association
- Co-Executive Director, International ESG Auditors Association
- Director, International ESG Management Society
- Executive Representative, Eco-Drive Movement Headquarters
- Founder & Executive Representative, Poseidon Consortium



Climate Change Expert and CEO Young-Cheol Lee of DATAM Awarded the “Proud Citizen of the Republic of Korea” Honor

기후변화 대응 전문가 데이탐 이영철 CEO

데이탐그룹은 이영철 CEO가 ‘2021 자랑스런 대한민국 시민대상’을 수상했다고 21일 밝혔다. 이번 시상식은 ‘2021 자랑스런 대한민국 시민대상 조직위원회’가 주최하고, ‘대한민국신문기자협회’ 등이 주관했다.

자랑스런 대한민국 시민대상은 정치와 행정, 환경, 사회, 문화 등 각 분야에서 국가발전에 기여한 공로가 인정되는 사람에게 수여하는 상이다. 데이탐그룹 이영철 CEO는 지난 19일 백범 김구 기념관에서 열린 시상식에서 환경 보호 부문에서 대상을 수상하는 영예를 안았다. 데이탐은 약 15년 동안 자동차 이산화탄소 모니터링 원천 기술을 기반으로 기후변화 대응을 위해 대한민국 최초로 에코드라이브를 도입, 친환경 경제운전의 문화 확산과 정착에 기여 하였으며, 유엔 산하 기술 기구인 CTCN에 등록되어 있다.

2021년 전 세계의 주요 국가들이 신기후 체제하에서 탄소 중립을 선언하고, RE100과 ESG경영에 국가와 기업의 명운을 걸고 있는 요즈음 데이탐은 빅데이터 특화 기술을 활용해 탄소감축증명(PCR) 플랫폼을 개발, 지속가능발전 기술과 녹색 혁신기술을 융합하여 상호 협력 체제를 구축해 저개발도상 국가를 대상으로 온실가스 자발적 감축목표(NDC) 달성을 지원하기 위한 국가 공동 프로젝트를 진행하고 있다.

Major Career Highlights

- Transportation Policy Expert, Environmental Activist, and Entrepreneur
- Chairman, SmartEco Co., Ltd. and PCR System Co., Ltd.
- Representative, Korea e-Mobility Consortium
- Member, Chungbuk Science and Technology Innovation Advisory Committee
- Certified Greenhouse Gas Emissions Trading Broker
- President, Korea Future Transportation Association
- Co-Representative, National Eco-Drive Movement Headquarters
- Secretary-General, International Eurasian Railway Union
- Chairman, International Eco-Drive Rally
- Holder of 7 Patents in Automotive Greenhouse Gas Reduction and Automotive Engineering
- Organizer, Eco-Drive Policy Forum (2007–2012)
- Project Lead, CO₂ Zero-Zone Road Traffic Policy Project (2012)
- Founder, Eco-Drive Monitoring Center (2013)
- Developer of the World’s First PCR (Proof of Carbon Reduction) Blockchain System (2018)
- Organizer, Korea e-Mobility Forum (2025)
- Organizer, Korea–ASEAN e-Mobility Forum (2025)

Major Awards

- 2025 IEVE Innovation Technology Award – Excellence in Innovative Technology
- 2025 Korea ESG Management Grand Award
- 2025 Korea Environmental Contribution Grand Award – System Innovation Category
- 2024 Korea Outstanding Patent Technology Grand Prize – Carbon Reduction New Technology Category
- 2021 Korea Outstanding Patent Technology Grand Prize – Blockchain New Technology Category
- 2021 Proud Korean Citizen Award – Environmental Merit & Regional Development Contribution
- 2019 Korea Outstanding Patent Technology Grand Prize – Carbon Credit Category
- 2018 Korea Environmental Volunteer Grand Prize – Ministry of Land, Infrastructure and Transport Category
- 2018 Korea Environmental Contribution Grand Prize – Climate Change Response Category



DATAM KOREA Registered as Climate Technology Organization under UNFCCC

DATAM KOREA Registered as a Climate Technology Organization under UNFCCC

[As of the end of 2021] Among 692 member organizations worldwide, Korea has 85 active organizations (the country with the largest number of member organizations worldwide)

참고 3 국내 CTCN 회원기관 현황(21. 12월 기준)

□ 국내 CTCN 회원기관 수: 85개(CTCN 총 회원기관 수: 692 개)

연번	기관명	기관유형	가입일자
1	한국에너지공단(KEA)	위탁집행형 조정부기관	2015. 2. 11.
2	한국생산기술연구원(KITECH)	기타 공공기관	2015. 3. 17.
3	녹색기술센터(GTC)	기타 공공기관	2015. 5. 5.
4	한국환경공단(KECO)	위탁집행형 조정부기관	2015. 9. 28.
5	한국에너지기술연구원(KIER)	기타 공공기관	2015. 9. 28.
6	한국화학연구원(KRICT)	기타 공공기관	2015. 10. 8.
7	한국전기연구원(KERI)	기타 공공기관	2015. 11. 23.
8	한국기계연구원(KIMM)	기타 공공기관	2016. 1. 15.
9	재료연구소(KIMS)	기타 공공기관	2016. 7. 7.
10	국가핵융합연구소(NFRRI)	기타 공공기관	2016. 7. 7.
11	생명공학연구원(KRIBB)	기타 공공기관	2016. 7. 7.
12	한국표준연구원(KRIS)	기타 공공기관	2016. 7. 7.
13	한국지질자원연구원(KIGAM)	기타 공공기관	2016. 7. 14.
14	대구경북과학기술원(DGIST)	공립대학	2016. 7. 14.
15	한국건설기술연구원(KICT)	기타 공공기관	2016. 7. 7.
16	한국과학기술연구원(KIST)	기타 공공기관	2016. 7. 14.
17	한국환경산업기술원(KEITI)	위탁집행형 조정부기관	2016. 7. 14.
18	한국철도기술연구원(KRRI)	기타 공공기관	2016. 7. 14.
19	한국산업기술진흥원(KIAT)	위탁집행형 조정부기관	2016. 7. 15.
20	선진 E&A	중소/중견기업	2016. 7. 15.
21	한국천문연구원(KASI)	기타 공공기관	2016. 8. 9.
22	광주과학기술원(GIST)	공립대학	2016. 8. 8.
23	기술보증기금(KIBO)	기금관리형 조정부기관	2016. 8. 15.
24	한국환경연구원(KEI)	기타 공공기관	2016. 8. 16.
25	포항공대(POSTECH)	사립대학	2016. 8. 16.
26	삼일회계법인	대기업	2016. 8. 22.
27	한국해양과학기술원(KIOST)	기타 공공기관	2016. 8. 22.
28	한국전력공사(KEPCO)	시장형 공기업	2016. 9. 20.



27 November 2019

Re: Application for CTCN Membership
Applicant Reference: N0547

CTCN Reference: 2019/MembershipS20/ DATA M Limited (DATAM)

Dear Mr. James Lee,

Thank you for your application for the CTCN membership. We have completed our assessment of your application.

I am pleased to inform DATA M Limited (DATAM) has been granted the CTCN membership.

CTCN members are invited to play a meaningful role in information sharing and capacity building; providing technical assistance in response to country requests; and participating in outreach and networking activities. Detailed guidance on Network participation can be found on the CTCN's website at <http://www.ctc-n.org/network>.

I look forward to working in close collaboration with DATAM serving the interests of the developing countries by providing high quality and diverse expertise in the transfer of climate technologies.

Yours sincerely,

Rose Mwebaza
Director, CTCN

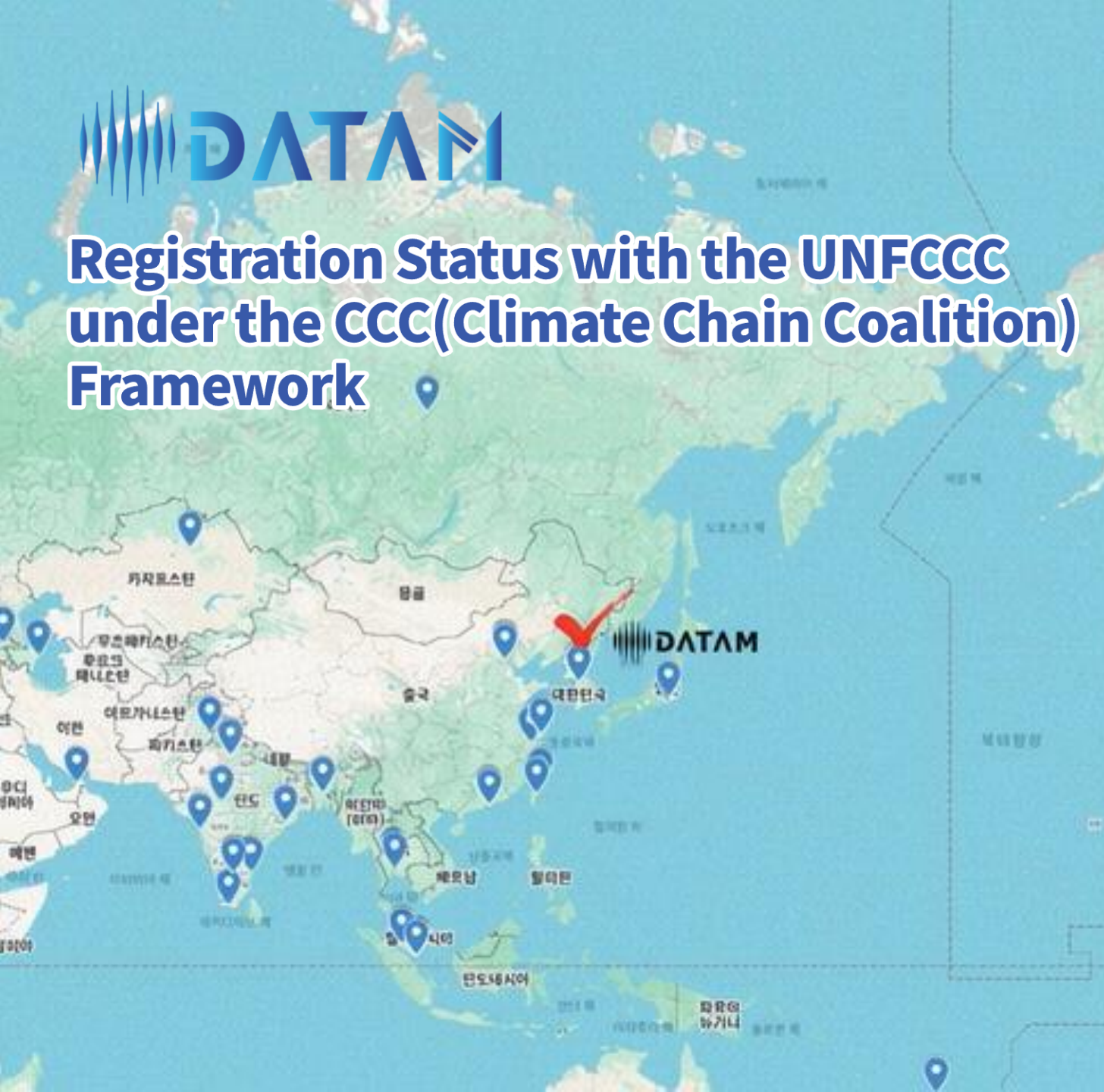
DATA M Limited
Unit H, 25/F, Shield Industrial Centre,
84-92 Chai Wan Kok St. Tsuen Wan, NT, Hong Kong
Email: moso.eco@gmail.com
CC: paul@data-m.co.kr

Climate Technology Centre and Network
UN City, Marmorvej 51, 2100 Copenhagen, Denmark
<http://www.ctc-n.org>, Email: ctcn@unep.org

연번	기관명	기관유형	가입일자
61	엔디티엔지니어링㈜	중소/중견기업	2019. 9
62	아이브스㈜	중소/중견기업	2019. 9
63	에코네트웍(Econetwork Inc.)	중소/중견기업	2019. 11
64	(재)국제기후환경센터(I(CEC)	비영리단체	2019. 11
65	데이탐(DATAM)		
66	엔솔웍스(ENVELOPS)	중소/중견기업	2019. 11
67	유진에너지컨설팅(YET)	중소/중견기업	2019. 11
68	다원전자	중소/중견기업	2020. 1
69	한국서부발전(주)(KOWEPO)	시장형공기업	2020. 1
70	SK증권	대기업	2020. 6
71	KT	대기업	2020. 7
72	동서발전	시장형공기업	2020. 7
73	국토연구원	기타 공공기관	2020. 9
74	에코시안	중소/중견기업	2020. 9
75	LX인터내셔널	대기업	2020. 11
76	웨더피아	중소/중견기업	2020. 12
77	한국남동발전	시장형공기업	2020. 12
78	경북대학교	국립대학	2021. 2
79	EnSTAR	중소/중견기업	2021. 2
80	㈜인포웨어	중소/중견기업	2021. 4
81	YOLK	중소/중견기업	2021. 4
82	한국기상산업기술원	위탁집행형 조정부기관	2021. 6
83	아인슈타인 프로젝트	비영리단체	2021. 8
84	㈜이산	중소/중견기업	2021. 10
85	㈜대한이앤씨	중소/중견기업	2021. 10



Registration Status with the UNFCCC under the CCC(Climate Chain Coalition) Framework



The Climate Chain Coalition (CCC) is an open global multistakeholder initiative to support collaboration among members and

뷰 60,731개

2022년 11월 13일에 게시됨

[공유](#)



CCC Member locations, description, web...



- Climate Chain Coalition Secretariat
- Adaptation Ledger
- Climate-KIC
- Blockchain for Climate Foundation
- Goyang City
- Coalition for Our Common Future
- Ecoeye
- Asia Clean Innovations
- CCET Project
- Korea Carbon Finance Association
- Data M**
- Beijing Emission Trading Association
- Bitgreen
- Energy Blockchain Labs
- Beijing Tianrun New Energy Investment
- EcoMatcher
- VNV Advisory
- Fintech4Good
- Verra
- CDP
- Provenance
- Hack4Climate
- Gold Standard

DATAM KOREA GLOBAL GROUP



DATAM LIMITED

Flat 04-05, Hip Kwan Commercial Buildings, 38 Pitt Streetm Yau Ma Tei, Kowjoon, Hong Kong

- PCRM XTE WEB3.0 BLOCKCHAIN PLATFORM
- Development and service provision of carbon emission reduction certification



ECO SOLUTION VINA DATAM

Nha 35c3 Khu Tap The 918, Phurong Gia Thuy, Quan Long Bien, Thanh Pho Ha Noi, Vietnam

- Vietnam REGEN POWERTRAIN electric motorcycle manufacturing, distribution, technology transfer and remanufacturing business



VINA DATAM COMPANY LIMITED

So nha 58, Ngo 26 Pho Mac Thai To, Phuong Yen Hoa, Qua Cau Giay, Thanh pho Ha Noi, Vietnam

- Vietnam BRT (Bus Rapid Transit) project development



TSK VINA DATAM COMPANY

26/32 Nguyen Minh Hoang Street, 12 Ward, Tan Binh Dist, HCMC, Vietnam

- Vietnam renewable heavy oil, smart farm production and operation, new and renewable energy manufacturing business



PT. DATAM INVESTMENT INDONESIA

Golden Plaza Blok E 19-20, Jl. Fatmawati No 15, RT.000/RW 000, Kel. Cipete, Kec Gandaria Selatan, Jakarta Selatan, Daerah Khusus Ibukota Jakarta 1

- Operation and management of investment assets across Indonesian businesses



63, Nonhyeon-ro 31-gil, Seocho-gu, Seoul, Republic of Korea

- Transition Business of Eco-friendly Vehicle (REGEN TECHNOLOGY)
- Renewable Energy Technology
- Development and establishment of carbon-neutral smart city OS based on self-sufficiency



DATAM MOBILITY

Building B, 606 Seobosaet-gil, Geumcheon-gu, Seoul

- Transition of transportation Transportation distribution and development



NANO ENGINEERING

87-23, Gueodeulmit-gil, Oedong-eup, Gyeongju-si, Gyeongsangbuk-do, Republic of Korea

- HYUNDAI-KIA Motor Company secondary parts supplier (SQ certified)



ACE Electronics

45 Seongseong-dong-roan-gil, Dalseo-gu, Daegu

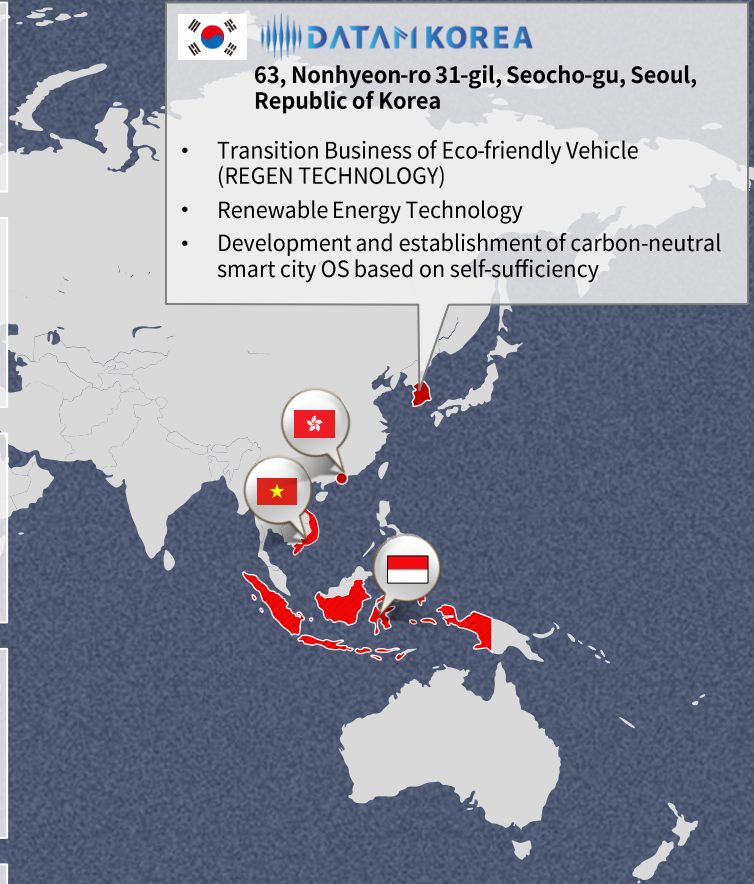
- Electric motor engineering and R&D
- Development and supply of motor production automation line



Korea Ocean Engineering & Technology

417-5, Seji-ro, Paldal-gu, Suwon-si, Gyeonggi-do

- Overall wind power generation business
- Submarine cable installation and protection facility construction



Milestone of DATAM KOREA

2025

- Recipient of the “2025 IEVE Innovation Technology Award”
- Exhibition of REGEN POWERTRAIN at the International e-Mobility Expo, and host of SDM, VCM, and Carbon Reduction / Environmental Forums and Seminars
- Participation in CES 2025 – REGEN POWERTRAIN Showcase

2024

- Joint Research Cooperation Agreement with Hussein University, Malaysia
- Participation in the Busan Carbon Neutral Expo Consortium
- Participation in the Thailand Electric Vehicle Expo

2023

- Launch of the Global Carbon Reduction ESG Consortium with DATAM x KADI (Korean African Development Initiative)
- Participation in the Korea Future Mobility Expo 2023 and establishment of the Korea e-Mobility Consortium
- Invited participation in Philippine Blockchain Week (PBW) 2023
- Global deployment of carbon-reduction transportation transition projects and production and supply of REGEN POWERTRAIN systems
- Launch of an integrated low-carbon business convergence and Web 3.0-based carbon reduction certification platform

2022

- Participation in the G20 Bali Side Event, Indonesia
- Promotion of global carbon-reduction transportation transition and remanufacturing projects (Vietnam, Indonesia, the Philippines, etc.)
- Completion of prototype development and testing for remanufactured electric motorcycles
- Awarded the 2022 Korea Promising Patent Technology Award – New Carbon Reduction Technology Category

2021

- Completion of development of Cognitive-Responsive REGEN Technology® for electric motorcycles
- Advancement of renewable energy offshore wind power projects

2020

- Host organization of the Smart Technology UN Procurement & Exhibition Conference (STS&P)
- Development of SDM (CDM)-based smart city projects and regenerated fuel oil (CNSL) new technologies

2019

- Execution of DATAM project agreements with the governments of Laos and Vietnam
- Registration with CTCN (Climate Technology Centre & Network) under the United Nations

2018

- Development of a blockchain-based carbon reduction certification system
- Registration as a member of the Climate Chain Coalition (CCC) supported by the UNFCCC

2017
~ 2002

- Registration of automotive big data-based patents
- Completion of Hypermiling extended-range driving technology (iEDS)
- Joint business agreements for vehicle-based SDM (CDM) projects with Grütter Consulting (Switzerland)



DATAM
KOREA



Intellectual Property

Patent number	Title of Invention	etc
No. 2301741	A Controller System of Brake for Electric Vehicle	H/W, S/W (Commercialization completed)
No. 2227541	An Electric Vehicle with Simply Operated Brake	H/W, S/W (Commercialization completed)
No. 2227542	A Sound Controllable Electric Vehicle	H/W, S/W (Commercialization completed)
No. 1763915	System For Collecting And Analyzing Big Data By Monitoring Car's And Road's Conditions	H/W, S/W (Commercialization completed)
No. 1885674	Real Time Measurement Device For Providing Data Of Carbon Dioxide Output In Cryptocurrency Rewarding System For Compensating For Carbon Emission Reduction With Cryptocurrency	H/W, S/W (Commercialization completed)
No. 1925988 PCT/KR2018/006373	Method For Calculating Energy Consumption Of Car By Utilizing Deep Learning For Implementing The Reduction Of Carbon Discharge	S/W (development completed)
No. 1703115	Cruise Control System Implementing Eco-Drive Function Realizing Fuel Efficiency Enhancement In Downhill Section	H/W, S/W (Commercialization completed)
No. 1914576 PCT/KR2018/003556	Rewarding System For Carbon Emission Reduction Using Cryptocurrency	S/W (development completed)
No. 2001068	System For Issuing And Giving Cryptocurrency For Individual Voluntary Greenhouse Gas Reduction Act	S/W (development completed)
No. 1914575 PCT/KR2018/003554	Cryptocurrency Payment System For Providing Discount As A Reward For Carbon Emission Reduction	S/W (development completed)
No. 1538354	Eco-Drive Inducement Device Realizing Fuel Efficiency Enhancement In Downhill Section	H/W, S/W (Commercialization completed)
No. 2472552	Method For Calculating Energy Consumption And Carbon Discharge Of Car By Utilizing Deep Learning	S/W (development completed)

2024~2025 DATAM REGEN POWERTRAIN

Domestic and International Exhibition Overview

Year	Schedule	Event Name	Description	Venue
2024	Jul 3 ~ 5	 EV ASIA 2024	Electric Vehicle Expo	Queen Sirikit National Convention Center, Bangkok, Thailand
	Jul 20 ~ 30	 Malaysia Automotive, Robotics and IoT Institute	Technology Presentations and Live Demonstrations	MARii (Malaysia Automotive, Robotics and IoT Institute)
	Jul 20 ~ 30	 Indonesia International Electric Vehicle Expo	Joint Participation with Elders and Seven Mobility	Jakarta, Indonesia
	Sep 4 ~ 6	 탄소중립 엑스포 NET ZERO EXPO	Africa Technology Transfer – DATAM Convergence Pavilion	BEXCO, Busan, Republic of Korea
	Oct 25 ~ 27	 EV INDIA EXPO	India Electric Vehicle Expo	Expo Centre, Greater Noida, Uttar Pradesh, NCR, India
	Oct 25 ~ 27	 China E-Bike 2024 INVITATION	Nanjing Electric Motorcycle Expo	Nanjing, China
	Nov 12 ~ 14	 E-MOBILITY ASIA 2024	Malaysia Electric Vehicle Expo	Kuala Lumpur Convention Centre, Malaysia
2025	Jan 7 ~ 10	 Powered by The Consumer Technology Association®	International Consumer Electronics Show (CES)	Las Vegas, United States

Domestic and International Partners



Int. Organ.



Indonesia



Ministry of Commerce,
Industry and Energy
Research Institute



PT WIJAYA KARYA (Persero) Tbk



Philippines



HYMM



Vietnam



ho chi minh city



Ministry of Natural
Resources and
Environment



Startup Center



Sunfood Dalat



Laos



Laos
government



대한민국



PRESEAO CO., LTD.

Vertical 3D Rope Salt and Mineral Extraction Technology

Business Summary 2023

Sustainable Transportation Carbon Reduction Solution

REGEN POWERTRAIN
