

i-ESG, Driving Sustainable Impact Through AI-powered ESG Risk & Data Solution

Bridging the Gap between Recognition and Action



UN Global Compact

Approved member of
the world's largest ESG initiative



B-Corp Certified

Recognized for global excellence
in sustainability



Social Venture

Certified as a social venture
specialized in impact and sustainability



In-house Venture

From Korea's top trading company,
leveraging deep expertise



13+ Patents

& 5M+ ESG Data collected
(No.1 in Korea)



ISO 9001, 27001

Certified for quality
& information security

Introduction

Bell (Jongwoong) Kim (Founder & CEO at i-ESG)

MIT MBA, a Certified En-ROADS Ambassador, a Member of MIT Sustainability Initiative

Born From Experience: in-house Venture under Fortune 500

Global ESG Leadership in Practice

- 17+ Years in Global Business (in 35 countries)
- An active member of MIT Sustainability Initiative
- Climate Ambassador at Climate Interactive, U.S.
- A member of the KAIST ESG Leaders Club (and ESG consulting lead)
- Invited to Forbes, UAE Gov't, Korea-Australia Business, GSMA summit



3 Keywords

#DATA

#AI

#ESG

ESG is no longer optional - it is regulation.

- From Narrative to Measurement -

1,000+

Global ESG Regulations
(CSRD, CSDDD, ASRS, SSBJ, etc)

41+

Stock exchanges
mandating ESG disclosure

2x+

ESG regulations
Doubled in recent years

Non-Compliance leads to \$600 Billion to \$2 Trillion Loss

at 6-20% loss rate due to inadequate ESG compliance can be estimated (by IMF, IBM Study)

**Supply Chain
Exclusion**

**Investment
withdrawal**

**Reputational
damage**

The Execution Gap

Recognition Vs. Action

Defining Reality 31%

ESG? = DATA!

The Data Burden

	Level 2	Level 3	Level 4	Level 5	Index name	Unit	
Basic Information	Fundamental	Corporate name			Corporate name	N/A	
		Representative			Representative	N/A	
		Number of employees			Number of employees	number	
		Industry (Thematic Sectors)			Industry (Thematic Sectors)	N/A	
		Industry (Sub-Sectors)			Industry (Sub-Sectors)	N/A	
		Industries			Industries	N/A	
		Purpose of public announcement			Purpose of public announcement	N/A	
		Location of headquarters (country)			Location of headquarters (country)	N/A	
		Location of headquarters (region)			Location of headquarters (region)	N/A	
		Major business market (country)			Major business market (country)	N/A	
		Major business market (region)			Major business market (region)	N/A	
		Enterprise size			Enterprise size	N/A	
		Year of establishment			Year of establishment	N/A	
		Company structure			Company structure	N/A	
		Financial	Total assets			Total assets	\$
			Total liabilities			Total liabilities	\$
			Sales			Sales	\$
			Operating profit			Operating profit	\$
		ESG Reporting	Current profit			Current profit	\$
			Reporting year			Reporting year	Year
			Credit rating agency (*multiple selectable)			Credit rating agency (*multiple selectable)	N/A
			Credit rating grade (*multiple selectable)			Credit rating grade (*multiple selectable)	N/A
	ESG evaluation agency (*multiple selections available)				ESG evaluation agency (*multiple selections available)	N/A	
	ESG evaluation grade (*multiple selectable)				ESG evaluation grade (*multiple selectable)	N/A	
	Verification agency (financial)				Verification agency (financial)	N/A	
	Verification agency (non-financial)				Verification agency (non-financial)	N/A	
	Address				Address	N/A	
	Phone				Phone	N/A	
	Department in charge				Department in charge	N/A	
	e-mail			e-mail	N/A		
	Stakeholders			Stakeholders	N/A		
	Materiality issues			Materiality issues	N/A		
	Initiatives membership			Initiatives membership	N/A		
Association membership			Association membership	N/A			
Environment	GHG	Greenhouse gas (GHG) emissions (Scope1)			Greenhouse gas (GHG) emissions (Scope1)	CO2e	
		Greenhouse gas (GHG) emissions (Scope2)			Greenhouse gas (GHG) emissions (Scope2)	CO2e	
		Greenhouse gas (GHG) emissions (Scope3)			Greenhouse gas (GHG) emissions (Scope3)	CO2e	
		GHG emission intensity			GHG emission intensity	CO2e/\$	
	Energy	Total energy consumption			Total energy consumption	TJ	
		Energy intensity			Energy intensity	TJ/\$	
	Air Quality	Renewable energy usage			Renewable energy usage	MWh	
		Nitrogen oxide (NOx) emissions			Nitrogen oxide (NOx) emissions	Tonne	
		Sulfur oxide (SOx) emissions			Sulfur oxide (SOx) emissions	Tonne	
	Water	Dust Emission			Dust Emission	Tonne	
		Total Water Usage			Total Water Usage	Tonne	
	Waste	Amount of wastewater generated			Amount of wastewater generated	Tonne	
Amount of waste generated				Amount of waste generated	Tonne		
Environment	Average hours of environmental education per person			Average hours of environmental education per person	Hour		
	Number of environmental violations			Number of environmental violations	Number		

- 100-1000 data points required
- Environmental, social, governance data across the sections
- HQ, Subsidiaries, and Suppliers
- 2-to-3-year history data
- Complicated and massive data set to be collected and managed

Businesses are asked to disclose 100-1,000 data points from various stakeholders

Overwhelming Complexity

For Enterprise, Investors,
Gov'ts and SMEs

Corporates:
Burden

Investors:
Inaccuracy

Gov't:
Lack of Data

SMEs:
**No Resources and
Expertise**



Dashboard

Survey Details

Attached Materials

AI Analysis

AI Analysis (Reputation)

Download PDF

Overall Scores

Selected Results

Select Company

Weight Settings

ABC Company

We tackle pain points through AI-powered ESG Data Management Platform

-from compliance to Data(Carbon) Assetization.

	2023	2024	2025	2026	2027
Company Score	68 points	76 points	91 points	83 points	76 points
Average Supplier Score	64 points	76 points	61 points	53 points	66 points
Highest Supplier Score	70 points	84 points	97 points	89 points	98 points
Lowest Supplier Score	30 points	28 points	25 points	27 points	20 points

Update date: 2025.04.10 15:31



AI-Powered Feedback

Full Lifecycle Coverage: Integrated ESG Solution

i-ESG turns ESG complexity into clarity

AI-Powered | Data-Driven | 13+ Patents | 20M+ ESG DB

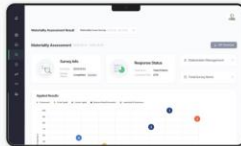
From ESG Management to Disclosure: 6+ Standard SaaS Solutions

AI-powered ESG Readiness Assessment



Quick and Accurate ESG status Check based on Global Criteria

Materiality Assessment



Key ESG Agenda Identification by Industry and business environment

Sustainability Reporting and Disclosure



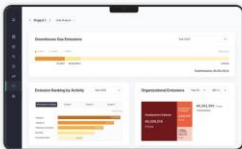
Reporting, Verification, and Disclosure ONE-STOP support

ESG Risk Management System in Supply Chain



Supply Chain Data Collection and Analysis for Effective Risk Management

Carbon Tracking and Management System

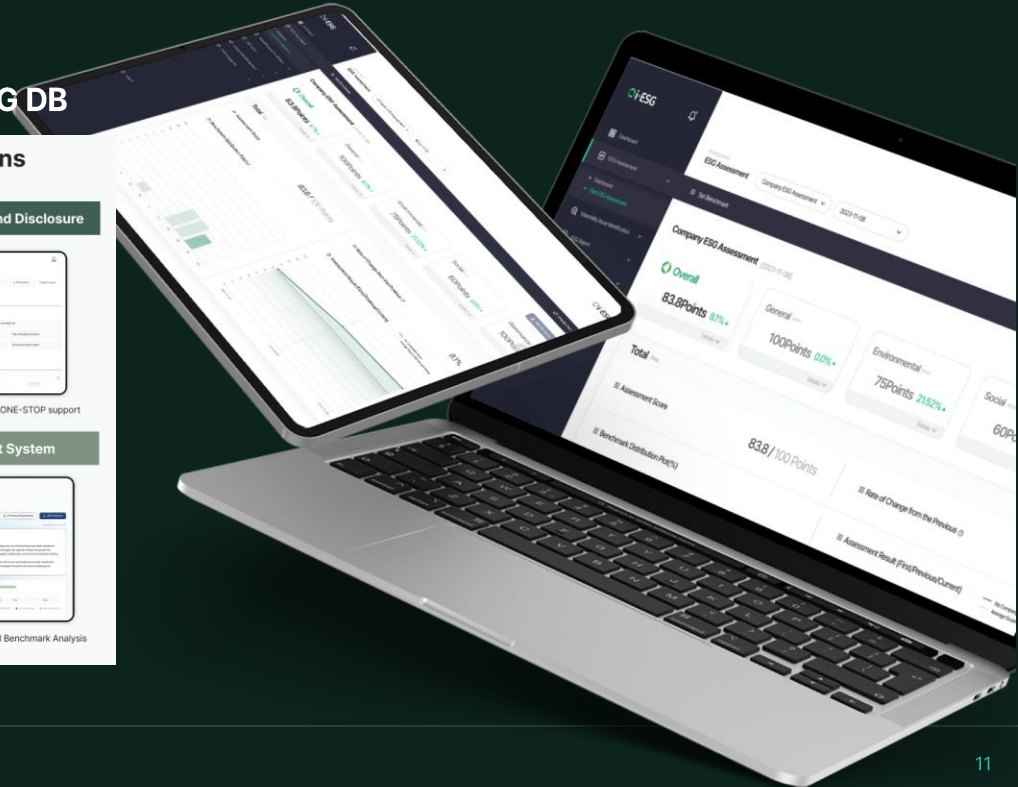


Scope 1, 2, 3 Emissions Measurements, Management, and Reduction Target Setting

ESG Data Management System



Systematic ESG Data Collection and AI Benchmark Analysis



01 We collect, organize, and structure ESG regulations on your behalf — globally.

Major regulations/frameworks Covered

20M+ ESG Benchmark Data Collected

500+ Core ESG Metrics Provided



02

One solution covering the entire ESG process — tailored to your needs.

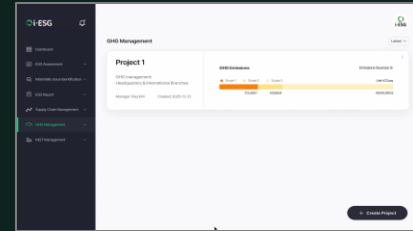
6 Core Modules for compliance

End-to-End Workflow

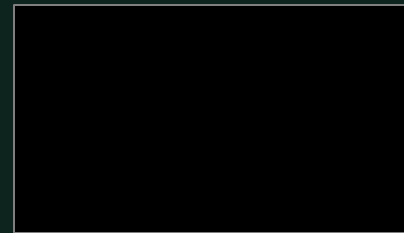
Real time Tracking Across Entities



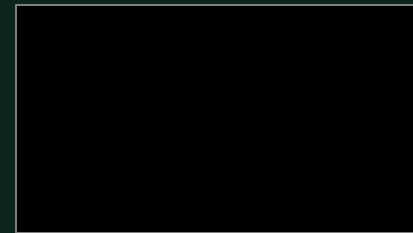
ESG Assessment



Carbon Tracking



ESG Data Management



ESG Mgt in Supply Chain

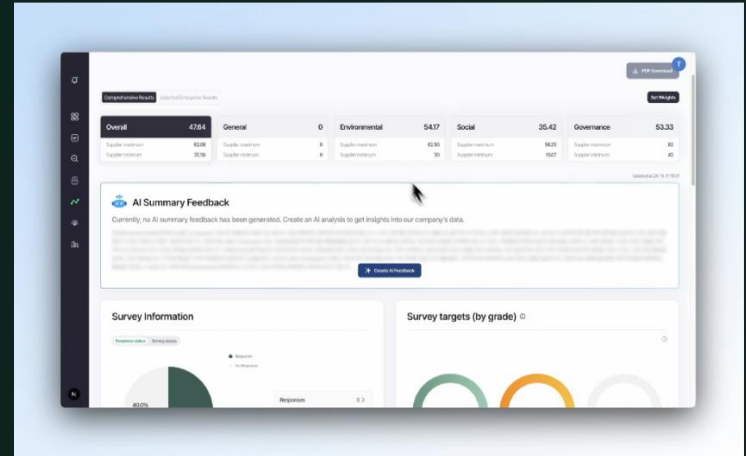
03

Analyze ESG data and receive targeted AI-feedback — with industry benchmarks.

13+ Patented AI/Data Technologies

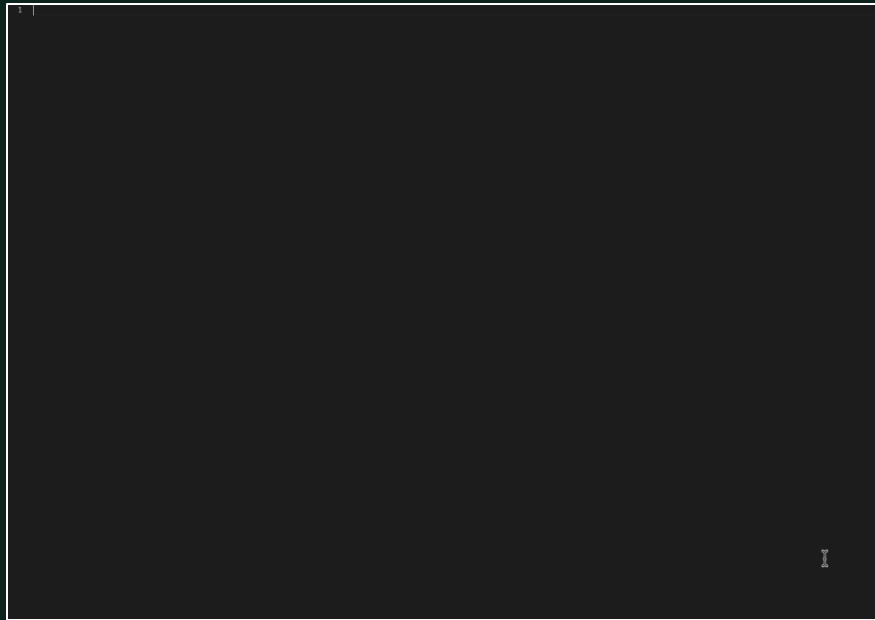
Correlation Analysis with Benchmarks

AI-powered Improvement Insights

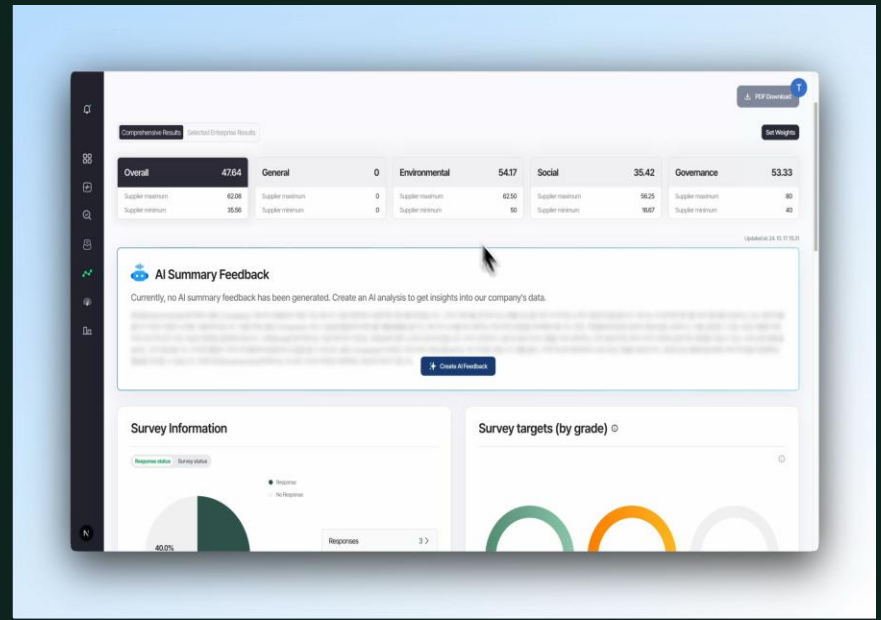


AI Engine in Action: Know where you are & where to go

Multi AI models are utilized based on the purpose (including NLP, OCR, RAG-based Layered Agentic Model, ESG Gen-AI, etc)



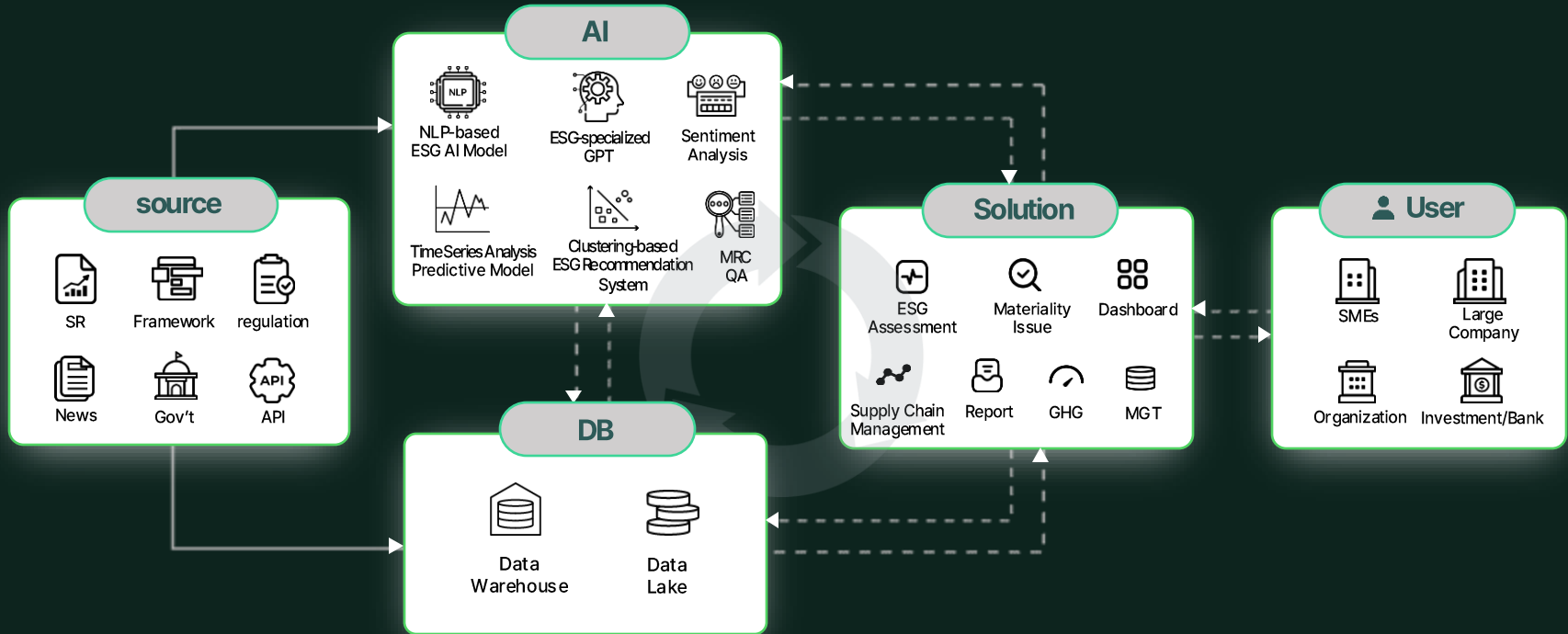
[i-ESG's ESG AI Engine]



[AI-powered Improvement Feedback]

How AI works every step of ESG data intelligence.

From data collection to analysis and recommendations



Proven Success across Public & Private Sectors



Government Institution

Policy-linked ESG execution
lacks data foundation



International Organization

No tailored ESG guidance
based on global standards



Corporation

Inability to manage ESG risks
across complex supply chains



Financial Institutions

Strong need for ESG specific
Data management system



- UAE-aligned ESG metrics
- Multiple ongoing discussions with Gov't, Public, and private sectors



- Auto-mapping to ESG standards
- Assessment tool + AI-powered improvement feedback



- 80% operational efficiency gain
- 6x faster supplier data collection response times



- Data collection Layer
- ESG data monitoring Dashboard
- Sustainability-linked Loan

UAE Gov't : ESG Data Circular Infrastructure

AI-Powered ESG Readiness Assessment

[Needs]

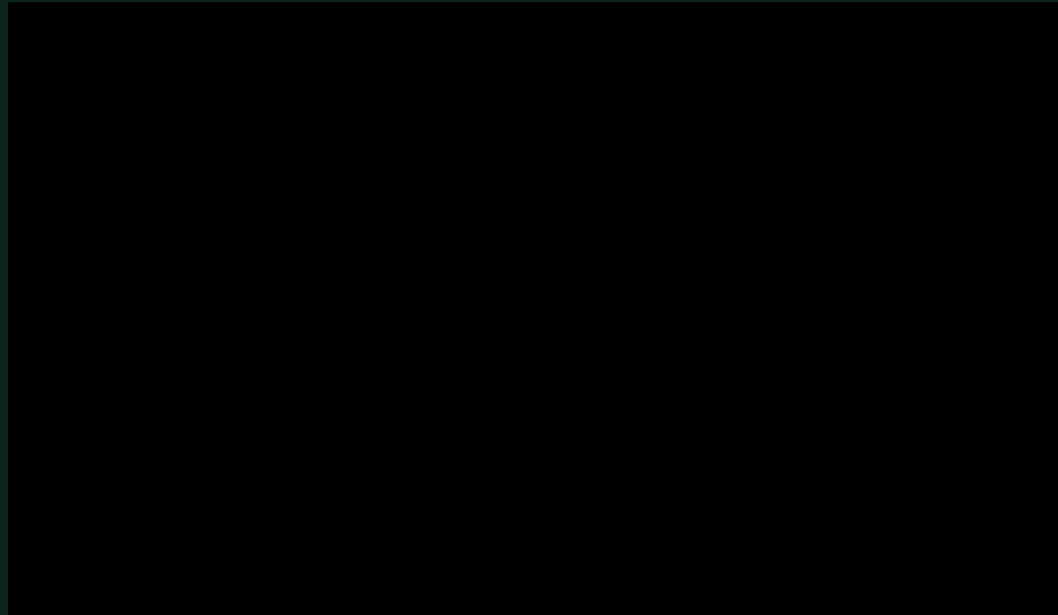
- Gov't: Data for Policy making
- Corp: Guidance for compliance

[Problem]

- Manual surveys are slow & inaccurate

[Solution]

- **Web-based, AI-powered Assessment**



UNGC : AI Tool for actual actions

Project 'ASAP'

AI-powered Sustainability Assessment Platform

[Needs]

- UNGC: Support members to improve
- Members: Limited resources & visibility

[Problem]

- Fragmented data and difficulty in identifying tailored insights

[Solution]

- **The world 1st AI Platform on CoP**

UNGC Korea and i-ESG Introduce the World's First AI-powered ESG Platform Built on the CoP Framework: 'ASAP'

NEWS PROVIDED BY
i-ESG
November 28, 2024, 10:24 GMT

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Clear Value Creation for Companies and Governments

For Corporates

- Better ESG awareness
- Clear risk/opportunity visibility
- Streamlined, reliable ESG data mgt
- Customized AI-driven insights

For Governments

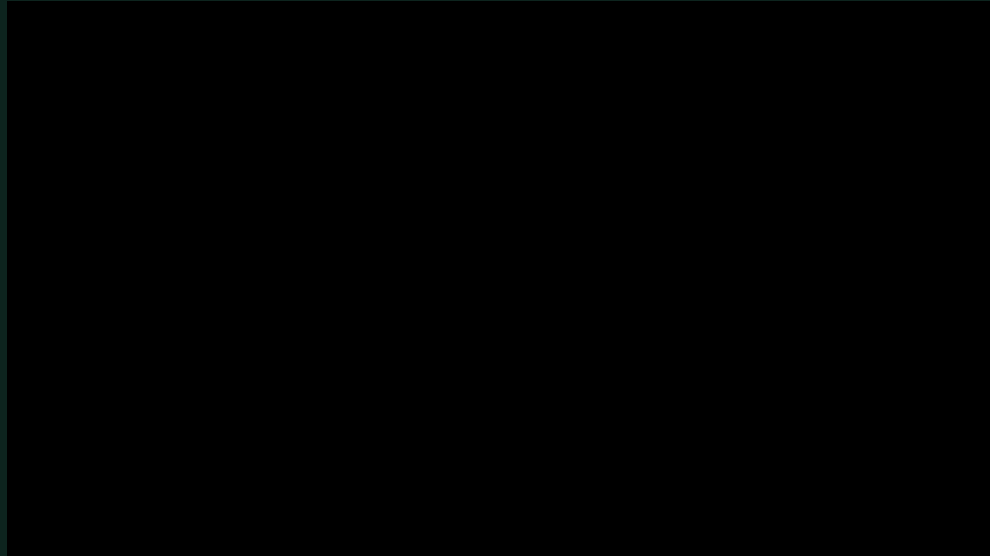
- Data infrastructure for policy making
- ESG data assetization aligned with national policy & roadmaps
- Practical support for businesses

Clear ROI & Proven Reference

The Future: dMRV and ITMO Carbon Credits

Solving the bottleneck of data credibility for Internationally Transferred Mitigation Outcomes (ITMO)

- 1 AI-Based Feasibility Assessment**
AI-driven additionality assessment and financial modeling
- 2 Unbiased Data Gathering via IoTs**
Integrating real-time data from the reliable sources
- 3 Blockchain Integrity to ensure Trust**
Data Management using data-cleansing and blockchain Tech
- 4 AI-driven Data Analysis & Automation**
In-depth Data analysis aligning with the UN/Global Methods
- 5 Fact-based Reporting and Credit Issuance**
Automated Reporting to secure Carbon Credits



Proven Impact, Growing Momentum

i-ESG has already earned the trust of leading corporations, governments, and international organizations



- An In-house Venture under Fortune 500
- B2G, G2G project via PPP framework
- Invited to Luxembourg, UAE, Australia, others
- Member of UNGC/B-Corp Certified
- Top Data-driven Platform in APAC 2025
- Grand Prize in AI Award



**i-ESG isn't just SaaS company —
We are building the ESG DATA backbone.
More Data = More Intelligence by AI = More Impact**

Technical Partner For ESG DATA Assetization



A Vision For CAREC

[Public Sector & Policy Makers]

Co-develop ESG support programs to strengthen SME competitiveness and policy execution.

[Multilateral Development Banks]

Pilot digital ESG public goods to standardize climate and sustainability data across the region.

[Private Sector & Industry]

Digitize ESG data and operations to enable seamless compliance, transparency, and risk management.

For All Action Sustainable

Together, with AI and data,
ESG doesn't stay on paper—it becomes real action.

