

Indorama Ventures
sharing on

“From Goals to Outcomes: Thai Business Journeys Toward Sustainable Impact”

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4 September 2025

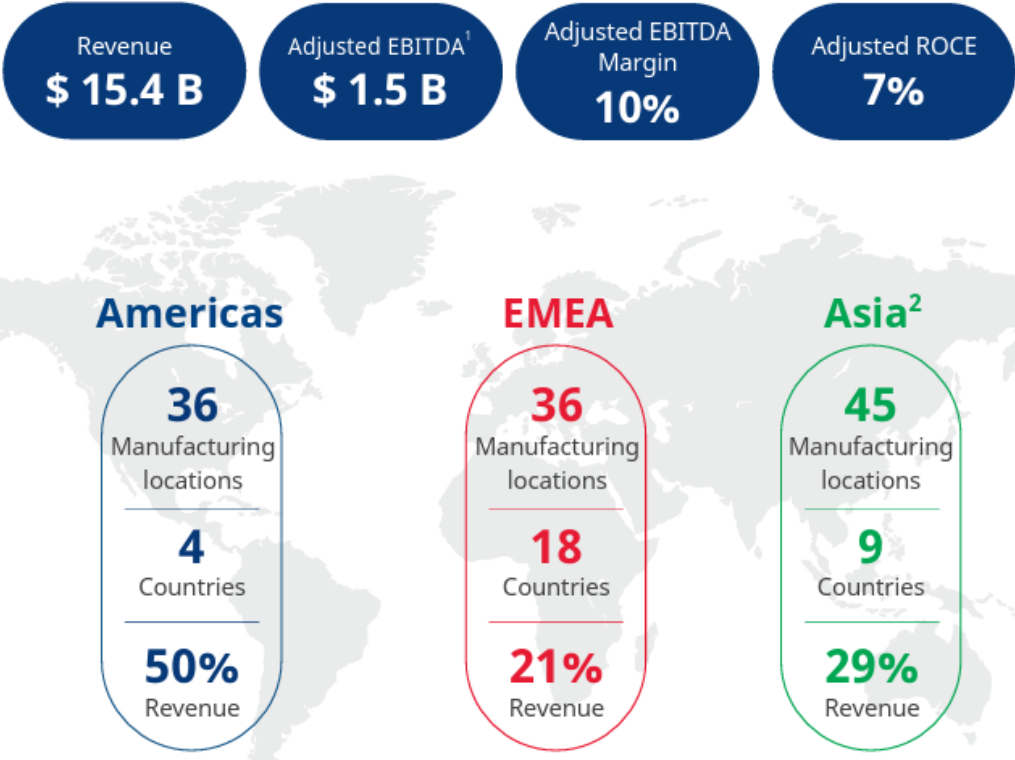


Indorama Ventures

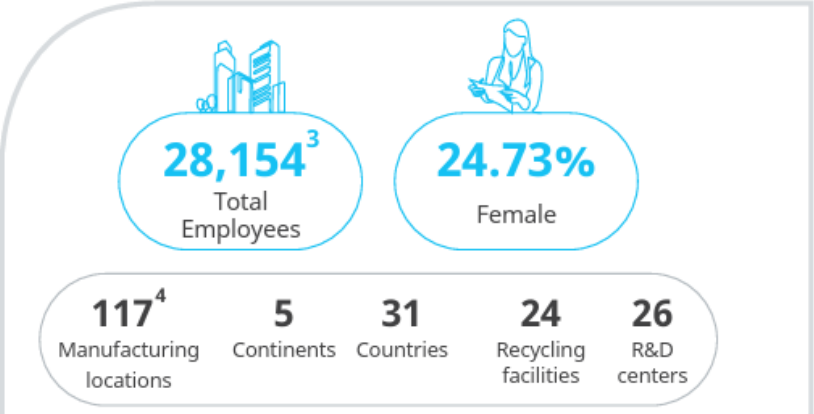
We are a world-class sustainable chemical company and a global integrated leader in PET and fibers serving major customers in diversified end-use markets.

In following our core strategies, we develop innovative products that meet the needs of our customers, making great products for society.

At a Glance



¹ Total of each segment may not always tally with consolidated financials due to holding segment.
² Asia included Egypt in 2024.



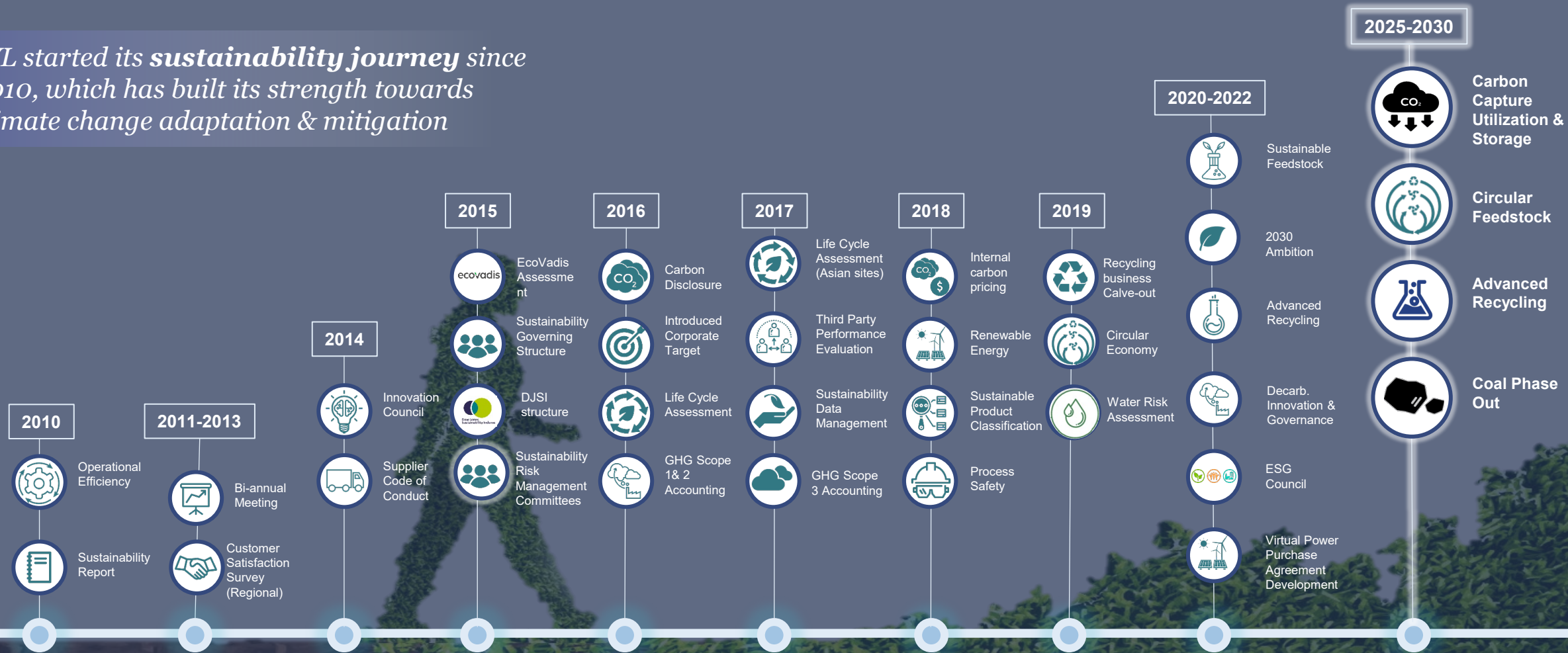
³ This number includes both permanent and temporary employees.
⁴ The Sustainability Report 2024 consists of data from 150 sites. Further details can be found in the full Sustainability Report 2024 (under "About this Report").

Our Differentiation

- 70% of our products serve daily necessities.
- Leadership positions across all major markets and products we manufacture.
- Best-in-class management.
- A world-class digital and AI platform.

Indorama Ventures' Sustainability Journey

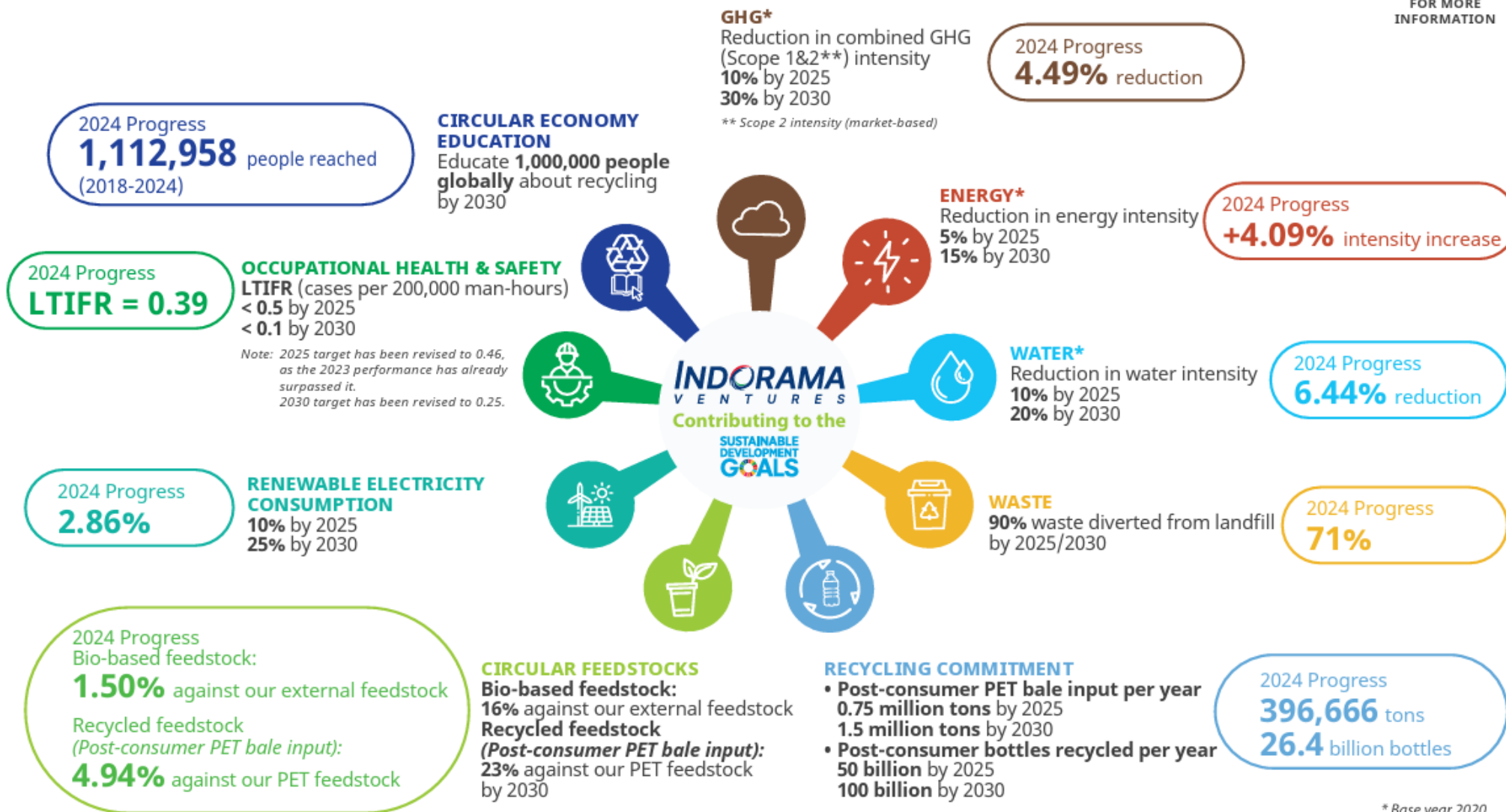
IVL started its **sustainability journey** since 2010, which has built its strength towards climate change adaptation & mitigation



Performance in Our Sustainability Ambitions



FOR MORE
INFORMATION



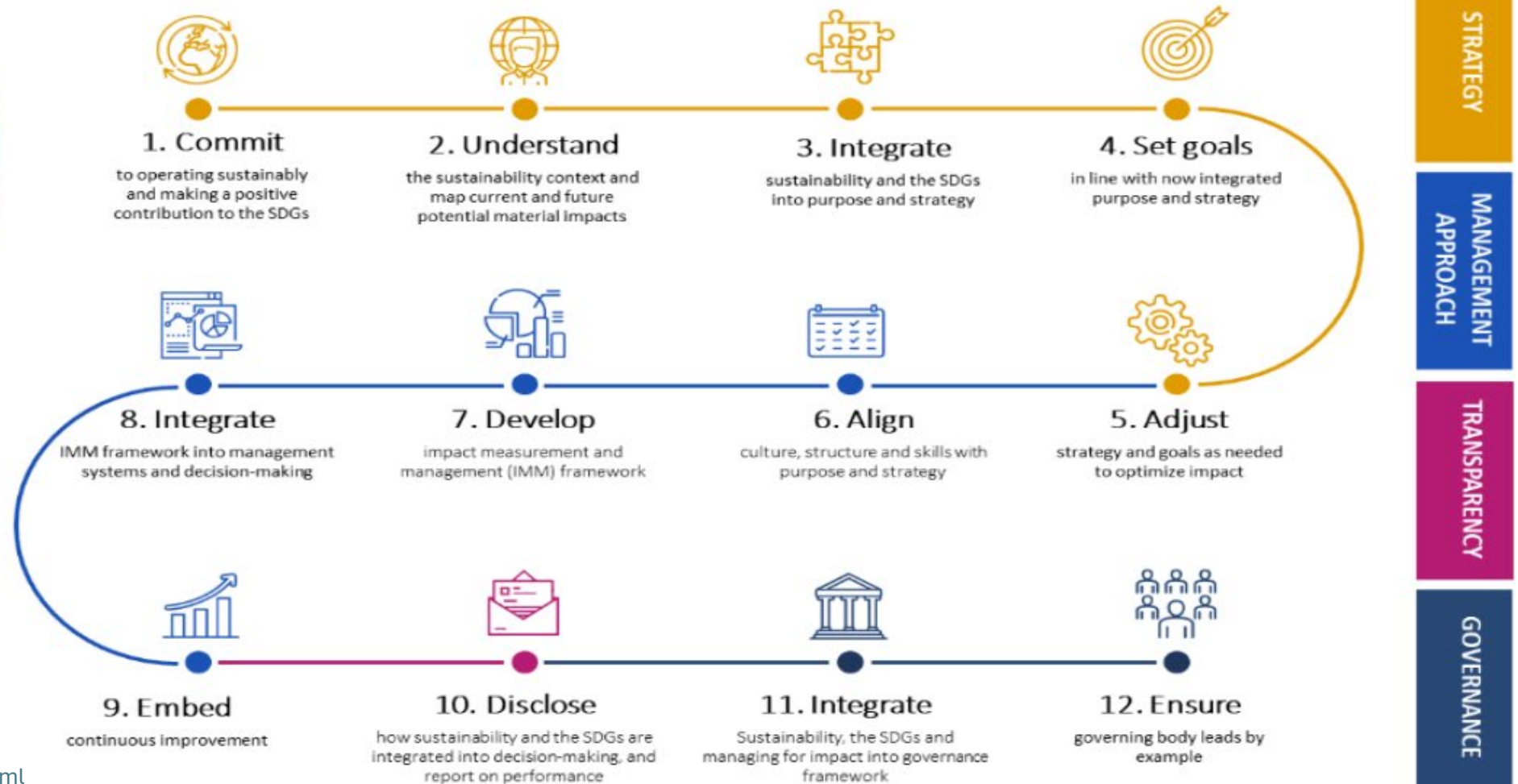
* Base year 2020

1.1 SEC & UNDP : SDG Impact Standards

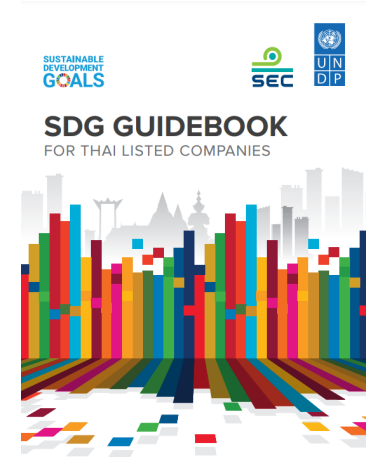


Source:
<https://sdgimpact.undp.org/enterprise.html>

The 12 SDG Impact Standards for Enterprises Actions



1.1 SEC & UNDP : SDG Guidebook for Thai Listed Companies

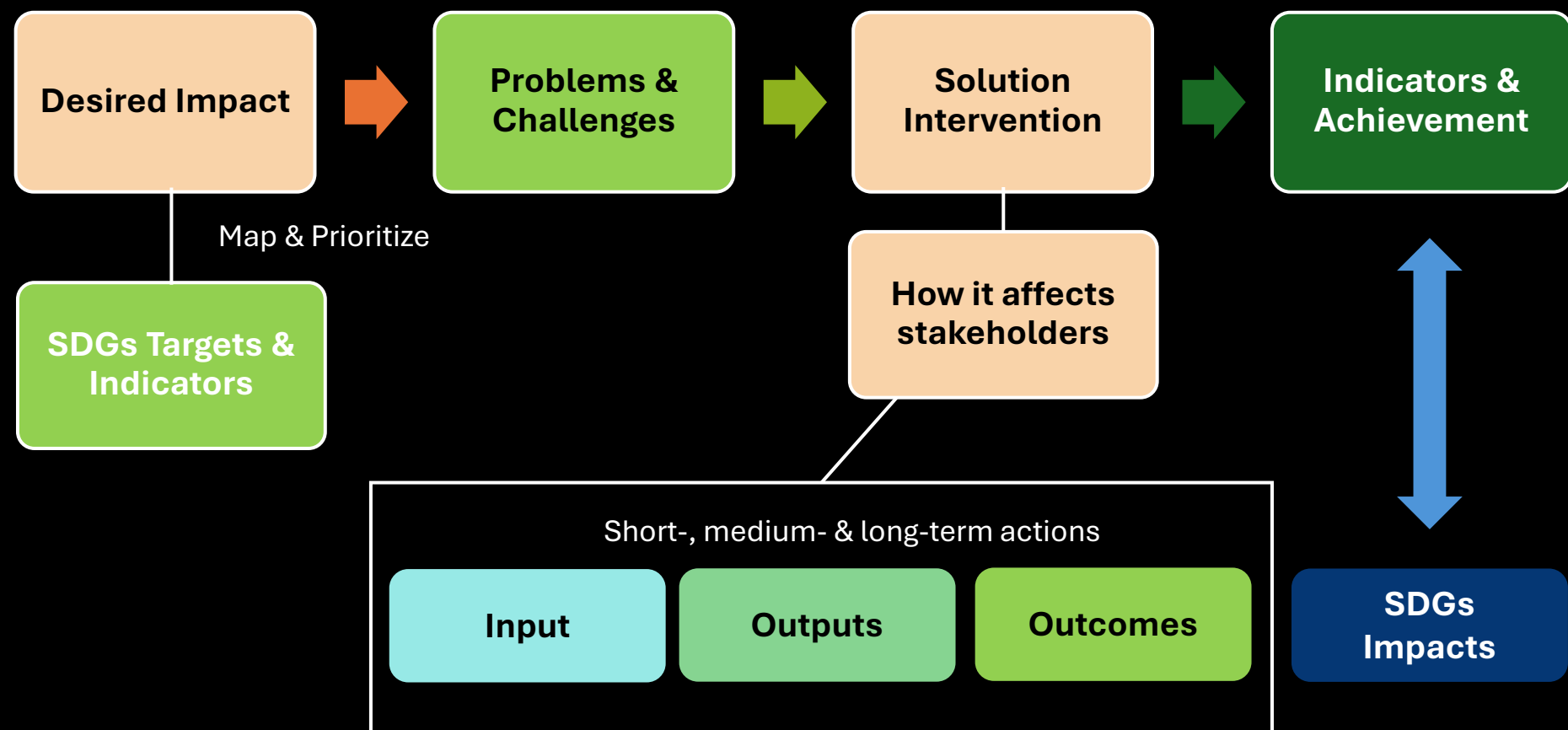


Source:
https://www.undp.org/sites/g/files/zskgke326/files/2023-10/231025_undp_sdg_guidebook_for_thai_listed_companies-th.pdf

The IMP reached global consensus that impact can be measured across five dimensions: What, Who, How Much, Contribution and Risk	
Impact dimension	Impact questions dimension seek to answer
<div>What</div>	<ul style="list-style-type: none">What outcome is occurring in the period?Is the outcome positive or negative?How important is the outcome to the people (or planet) experiencing them?
<div>Who</div>	<ul style="list-style-type: none">Who experiences the outcome?How underserved are the affected stakeholders in relation to the outcome?
<div>How Much</div>	<ul style="list-style-type: none">How much of the outcome is occurring – across scale, depth and duration?
<div>Contribution</div>	<ul style="list-style-type: none">Would this change likely have happened anyway?
<div>Risk</div>	<ul style="list-style-type: none">What is the risk to people and planet that impact does not occur as expected?
























IMM Steps according to the SDG Guidebook		High level alignment with components of SDG Impact Standards	
Step 1	Understanding impact and IMM, including what is sustainability, what is impact and what is impact measurement and management; defining your company's commitment to sustainability	Strategy	
Step 2	Identifying and engaging with stakeholders, including conducting stakeholder mapping and understanding how to engage with stakeholders along the value chain	Strategy	
Step 3	Prioritizing impacts, including conducting materiality analysis, mapping and prioritizing SDGs along the business value chain, and setting goals; specifying the five dimensions of impact for each goal	Strategy	
Step 4	Planning for impact, including developing an impact value chain, selecting indicators and setting baselines and targets	Management approach	
Step 5	Measuring impact and integrating impact into business practices, including monitoring results and collecting data; integrating SDGs and impact into business practices and decision-making; managing impact risks; and reinforcing the company's commitment to impact through governance practices	Management approach	Governance
Step 6	Reporting progress on impact in line with the One Report	Transparency	

1.2 Business and SDGs Mapping




Source: GRI, sdgmove <https://www.globalreporting.org/search/?query=Linking+the+SDGs+and+the+GRI+Standards>


1.2 Business and SDGs Mapping

Value Chain	Upstream		Own Operations	Downstream		
Activities	Raw Materials Sourcing	Raw Materials Logistics	Production and Selling	Product Distribution	Product Consumption	Product End of Life Management
Stakeholders	• Suppliers	• Contractors	• Employees • Vendors	• Contractors	• Brand owners • Consumers	• Recycler • Junk shop
Issues	• Deforestation • Fossil-based	• Scope 3 Management	• Scope 1&2 Management • Environmental Stewardship	• Scope 3 Management	• Consumer Health • Human Rights	• Plastic Pollution • PET Collection • Health and Safety • Working Condition • Labour Practices • Human Rights
Initiatives	• Circular Feedstocks Consumption • ISCC+ certification	• Logistics Management • EV vehicles	• Product Carbon Footprint • Renewable Energy • Sustainable Products • Climate Adaptation	• Logistics Management • EV vehicles • Colocation facilities	• Sustainable Products • Product certification	• Sustainable Products • Plastics credit
	• Sustainable Supply Chain Program		• Life Cycle Assessment • Waste Diverted to Landfills		• Waste Separation & Recycling Education • Collaboration Programs	
	• Biodiversity Statement	• Transportation safety Procedures	• Water / Biodiversity Risk Assessment	• Transportation safety Procedures	• Product Safety Datasheet	• Product certification
	• Policies / Code of Conduct • Training and Capacity Building					
	• No deforestation • % of circular feedstocks consumption	• Scope 3 reduction	• Energy intensity reduction • GHG intensity reduction • Water intensity reduction • % Waste diverted	• % coverage of downstream transportation	• People educated on recycling education • No. of collaborations	• Recycling commitment • Tons of PET bottles collection
SDGs						
						
						
						

1.3 SDGs Targets and Key Focus Areas



RECYCLING AND THE CIRCULAR ECONOMY




Bringing customers into the product value chain cycle and developing ways to support the circular economy


Recycling Commitment 

Industry Partnerships 


Recycling Education 



CLIMATE CHANGE AND ENERGY



Being fully aligned with global initiatives that develop robust low-carbon strategies

Renewable Energy 

Mitigation and Adaptation 

GHG Reduction and Energy Efficiency 




ENVIRONMENTAL STEWARDSHIP




Improving resource efficiencies and ensuring that our production is environmentally-friendly


Water and Biodiversity 

Waste Generation and Diversion 

Circular Feedstocks (Bio-based and Recycled Materials) 




HEALTH, SAFETY, AND WELL-BEING



Ensuring that health and safety remain a top priority in all our activities

Safe Workplace and Process Safety 

Human Rights Protection 

Diversity, Equity, and Inclusion (DEI) 



SOCIAL EMPOWERMENT AND COLLABORATIONS



Expanding Recycling Education into a global program and collaborating to create further positive impacts on society

Knowledge 

Environment 

Well-being 



1.3 Monitoring Progress and Reporting

Reporting Frameworks





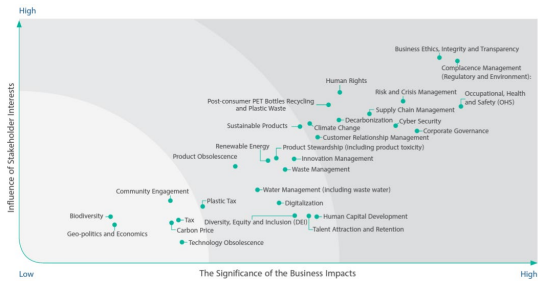




Taskforce on Nature-related Financial Disclosures



Materiality Assessment



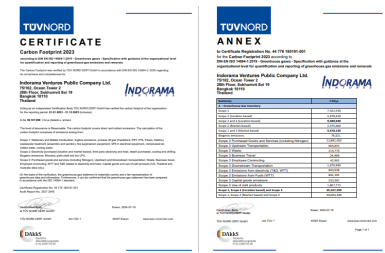
- From internal & external stakeholders
- 15 material topics in 2024

Data Collection



- Gathering information and best practices from sites globally
- Utilizing an online platform for data management and sharing

Data Verification & Audit



- Internally by Sustainability Team
- Externally by 3rd party
- (GHG – Zero waste to landfill)

1.3 Monitoring Progress and Reporting



Data Collection : In Own Operations

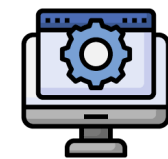


Online ESG Data Digital Platform (Environmental / Health and Safety)

- Key in entity wise information by sites every quarter
- Verify data by Corporate Sustainability Team
- Dashboard entity wise / business wise / IVL group



Finance



HR / CSR



Procurement

Data Collection : In Supply Chain



- Through Questionnaire
- Through 3rd Party Platform
- Through Direct Engagement
- Through Partners

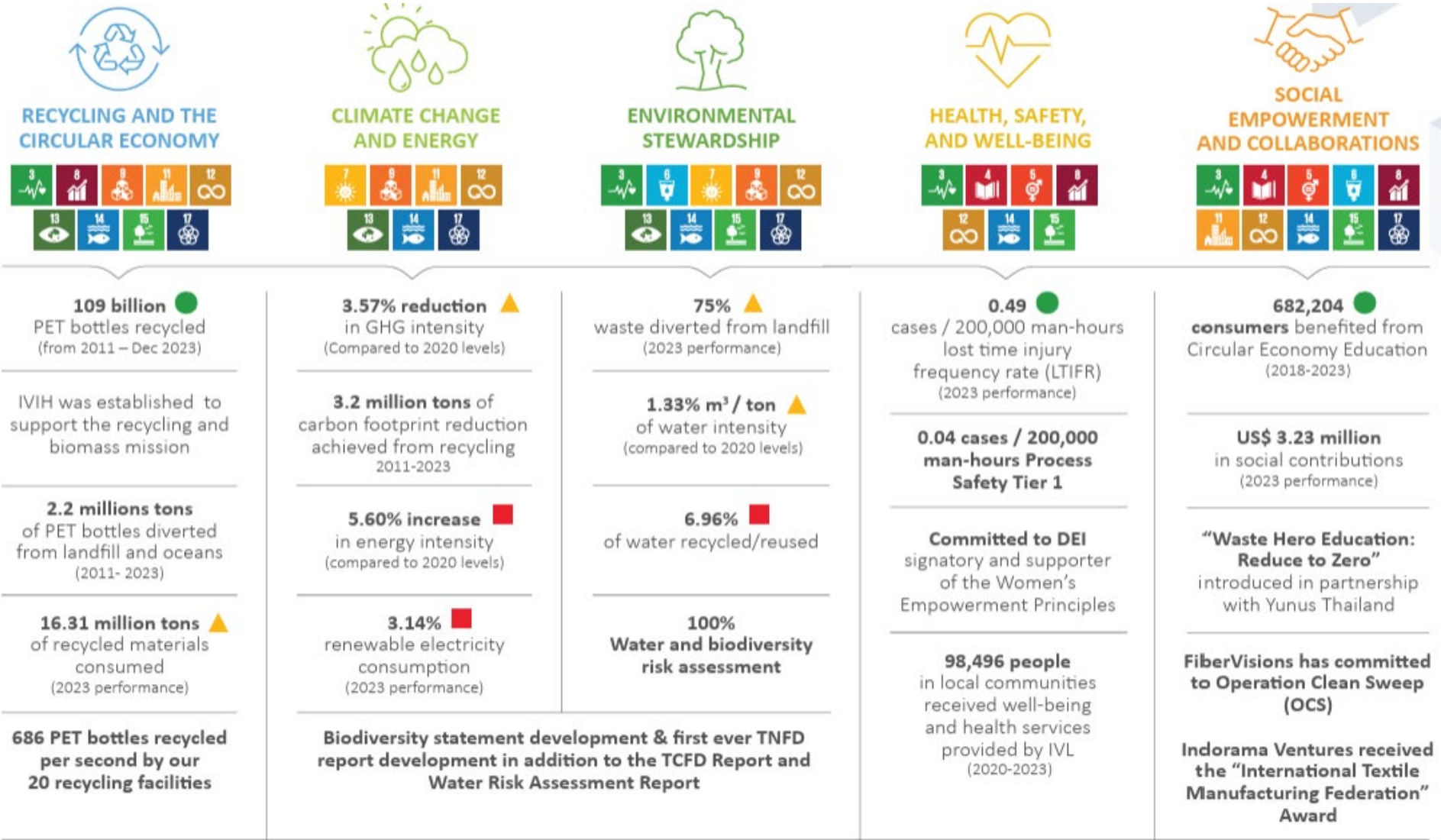
Standard Requirements					Standard Requirements				
	Unit	2021	2022	2023		Unit	2021	2022	2023
Energy	Total greenhouse gas emissions (Scope 1+2)	tonnes	15,184.12	15,184.12	15,184.12	Carbon dioxide (CO2) emissions (Scope 1+2)	tonnes	15,184.12	15,184.12
	CO2 emissions (Scope 1+2)	tonnes	15,184.12	15,184.12	15,184.12	CH4 emissions (Scope 1+2)	tonnes	15,184.12	15,184.12
	CH4 emissions (Scope 1+2)	tonnes	15,184.12	15,184.12	15,184.12	N2O emissions (Scope 1+2)	tonnes	15,184.12	15,184.12
	N2O emissions (Scope 1+2)	tonnes	15,184.12	15,184.12	15,184.12	Other greenhouse gases (Scope 1+2)	tonnes	15,184.12	15,184.12
	Other greenhouse gases (Scope 1+2)	tonnes	15,184.12	15,184.12	15,184.12	Renewable energy consumption	MWh	15,184.12	15,184.12
	Renewable energy consumption	MWh	15,184.12	15,184.12	15,184.12	Energy intensity	MWh/tonne	15,184.12	15,184.12
	Energy intensity	MWh/tonne	15,184.12	15,184.12	15,184.12	Water consumption	tonnes	15,184.12	15,184.12
	Water consumption	tonnes	15,184.12	15,184.12	15,184.12	Wastewater discharge	tonnes	15,184.12	15,184.12
	Wastewater discharge	tonnes	15,184.12	15,184.12	15,184.12	Land use change and forestry	ha	15,184.12	15,184.12
	Land use change and forestry	ha	15,184.12	15,184.12	15,184.12	Biodiversity	ha	15,184.12	15,184.12
Recycled / Recycled Water	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
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	Water consumption	tonnes	15,184.12	15,184.12	15,184.12	Wastewater discharge	tonnes	15,184.12	15,184.12
	Wastewater discharge	tonnes	15,184.12	15,184.12	15,184.12	Land use change and forestry	ha	15,184.12	15,184.12
	Land use change and forestry	ha	15,184.12	15,184.12	15,184.12				
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	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0
	Percentage of recycled water	%	5.0/10.0	5.0/10.0	5.0/10.0	Percentage of recycled water	%	5.0/10.0	5.0/10.0

1.3 Monitoring Progress and Reporting

SDGs progress



Indorama Ventures' SDGs Report 2025



Which targets are on track for 2030?

● Maintain progress to achieve target

▲ Accelerate progress to achieve target

■ Reverse trend to achieve target

Global Agenda :
Plastic Waste

Opportunities & Risks

Monitoring system,
progress and
improvement

Outcomes

Impacts

Commitment
and Targets

Integration with
business values & KPIs

RESPONSIBLE CONSUMPTION & PRODUCTION

Reducing the impacts of our products in the use phase and promoting ways to include recyclability and circularity

12

We are a responsible supplier and producer. IVL is committed to operating in compliance with all applicable regulatory, reputational and/or market risks related to climate change and lowering GHG emissions. We provide a framework for active engagement across the company to ensure that our products present no health or environmental risks. We identify risks and opportunities to reduce resource and material consumption through Life Cycle Assessments (LCAs) of our products throughout the value chain to "quantify the various environmental impacts of the products to be used in IVL's product stewardship program which is communicated to stakeholders" and to reduce the impacts of our products by recycling and contributing to the circular economy.


SDG Targets

12.112.212.412.512.612.7

Our contribution : Major

Linkage and holistic analysis

CELEBRATE WITH US



100 billion

PET bottles recycled

equivalent to 2.9 million tons

Carbon footprint reduction

As of 25 September 2023, we successfully recycled 100 billion bottles (since 2011) - and this number continues to grow This contributes to a reduction of 2.1 million tons of PET trash.

Circular feedstock

16% against IVL external feedstock

Recycle feedstock (Post-consumer PET bale input)


23% against IVL PET feedstock by 2030

72%


waste diverted from landfill

7.2%

water reused and recycled




1,135,643 bottles collected globally



25,200 kgs of bottles returned to recycling factories

Recycling

Successfully commissioned our first bottle-to-bottle recycling facility in the Philippines, "PETValue" with Coca-cola.



Good Corporate Citizenship

Collaboration in supply chain

OUR COMMITMENTS

- Recycling 750,000 tons and 1,500,000 tons of post-consumer PET bales input per year by 2025 and by 2030, respectively
- Recycling PET bottles : 50 billion bottles per year by 2025 and 100 billion bottles per year by 2030
- Water intensity reduction : 10% by 2025 and 20% by 2030 from 2020 levels
- 90% waste diverted from landfill by 2025/2030
- Educating 1,000,000 consumers around the world on recycling by 2030

STRATEGY

MANAGEMENT APPROACH

TRANSPARENCY

GOVERNANCE

GOAL 12: RESPONSIBLE CONSUMPTION AND PRODUCTION



TARGET

• Bottles recycled



50 billion by 2025



100 billion by 2030

WHAT

Our focus is on the number of post-consumer bottles recycled, with targets of 50 billion by 2025 and 100 billion by 2030.

WHO

Stakeholders impacted by this outcome include our own operations, bottle collection vendors, recycling companies, consumers, local communities affected by plastic waste, and regulators who help drive provisions on supply, demand, and infrastructure.

HOW MUCH

In 2023, 21.6 billion bottles were recycled in 2023, representing an increase of 6.2 billion bottles in just one year. This significant progress reflects our ongoing recycling efforts, and we continue to accelerate actions to meet our commitments.

CONTRIBUTION

We are driving sustainable PET plastic waste management and recycling by collaborating with key players across the value chain for bottle collection campaigns. Our efforts promote PET circularity, which has resulted in changing consumer behaviors, reducing landfill waste, increasing recycling rates, lowering fossil fuel consumption, reducing carbon emissions, and helping to conserve resources.

RISK

If recycling targets are not met, the risks include unsolved plastic pollution, environmental degradation, and negative public health impacts. Additionally, failing to achieve these goals could harm our reputation and erode trust from communities and society, undermining our sustainability efforts and waste management initiatives.

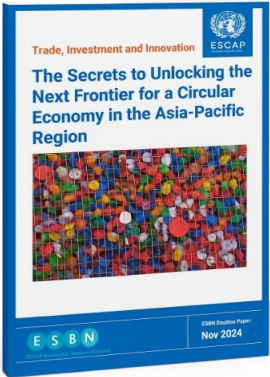
1.4 Highlight Initiative : Responsible Consumption & PET Circularity



1.4 Highlight Initiative : UNESCAP – Unlocking Circularity Study

6 Secrets of Circularity

At Indorama Ventures,
we are aligning our strategy around each to turn ambition into action.



Infrastructure

Making Progress
towards our Goals



0.8MMt
Current Recycling Capacity¹



24 Manufacturing
Sites



13 Countries



Regulations

PET is set to benefit
from regulatory
mandates driving
circularity

- Recycling Content
- Collection Rate
- Plastics Tax
- EPR



Finance

Our sustainability
commitment
provides access to
ESG financing

\$2.7B
Sustainability
Financing



Innovation

Innovation
Accelerating our
Journey towards
Circularity

- Advanced recycling
- Bio-based chemicals/
polymers
- Renewable feedstocks
- Biodegradable
polymers



Education

Empowering the
next generation is
key to a more
sustainable future

- Recycling Education
(since 2018)
- Waste Hero Education
Program (since 2022)
- Sustainable Plastic
Waste Management
Program (since 2023)



Collaboration

Advocacy & Recycling
Partnerships

- The largest PET
recycling plant in the
Philippines with Coca-
Cola Euro Pacific
Partners
- Indorama and Varun
Beverages, PepsiCo's
second-largest bottler,
investing in India

SDGs vs. Sustainable Finance



RECYCLING COMMITMENT
Post-consumer PET bale input per year

- 0.75 million tons by 2025
- 1.5 million tons by 2030



GHG* REDUCTION (Scope 1&2) intensity**

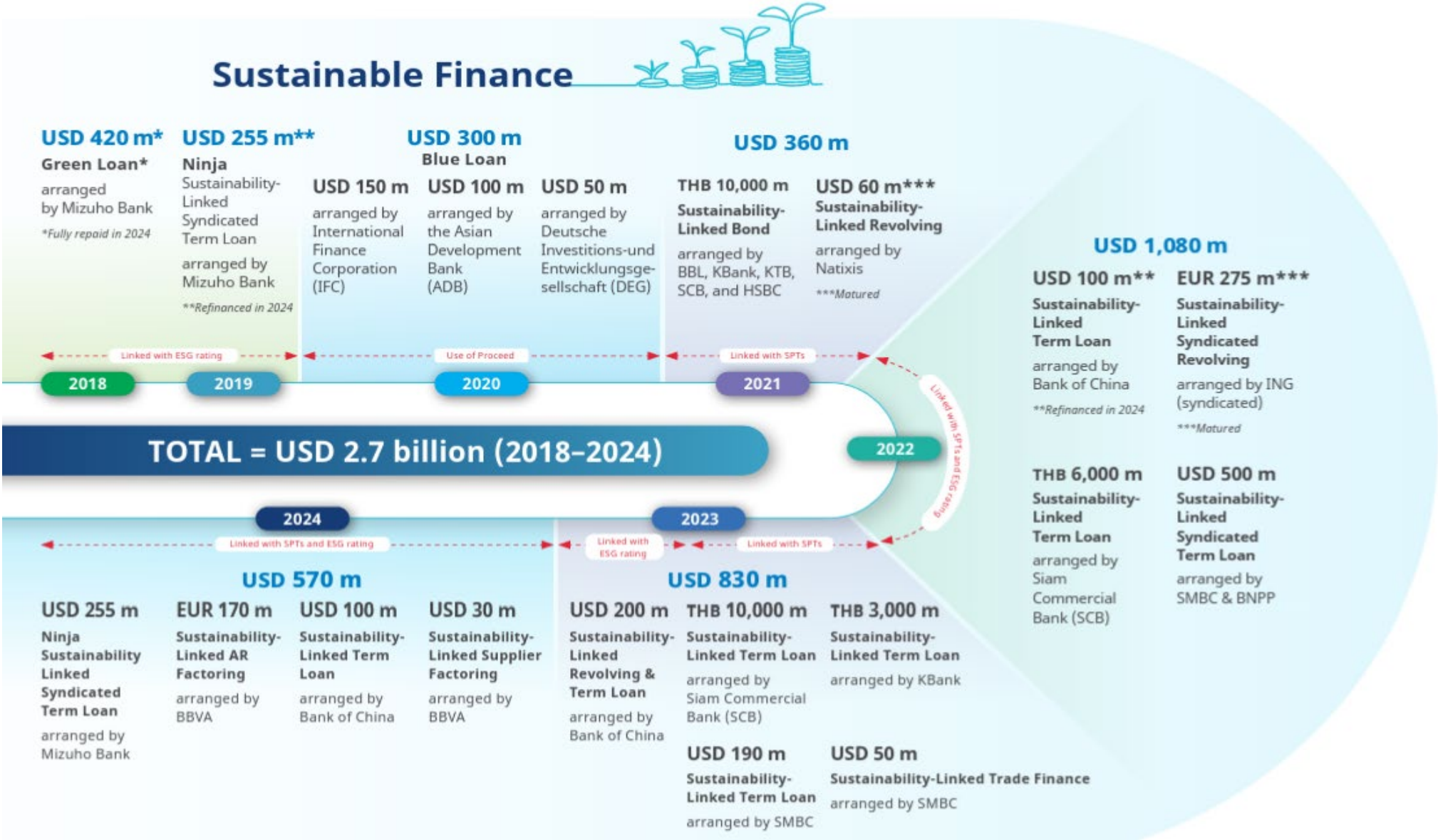
- 10% by 2025
- 30% by 2030

* 2020 base year
** Scope 2 intensity (market-based)



RENEWABLE ELECTRICITY CONSUMPTION

- 10% by 2025
- 25% by 2030

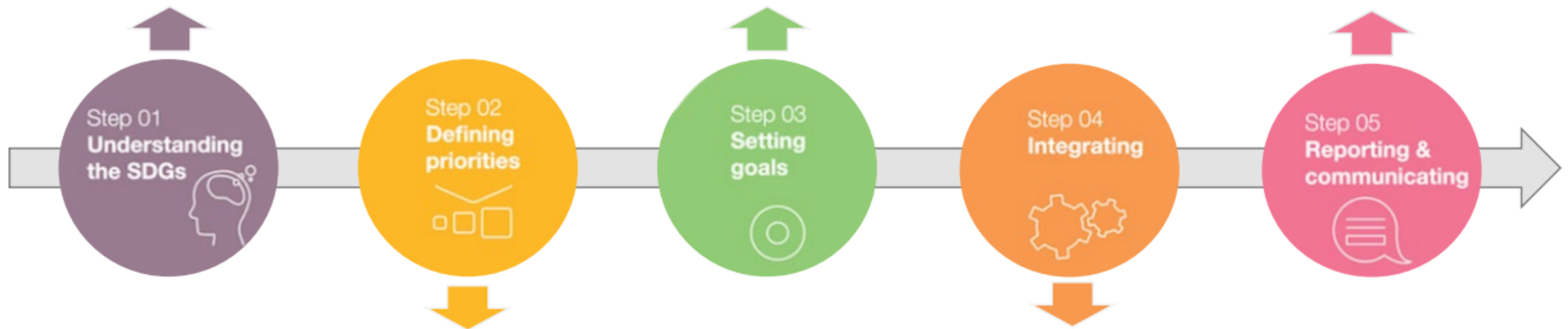


Steps and Challenges

- Global Agenda
- Opportunities vs. Risks
- Good Corporate Citizenship
- Benefits to Organizations and value chain

- SMART targets & impact outcomes
- Timebound target
- Achievable : Realistic and Readiness
(Manpower, capability, data collection, alliance, and budget)

- Public reporting *(comparable KPIs)*
- Performance progress, Activities details and challenges *(on track and off track)*
- Third parties' verification *(increase creditability)*



- Alignment with business and sustainability strategies *(somehow can solve threats)*
- Linkage and holistic analysis *(direct and indirect)*
- Timeline *(Short term – Medium term – Long term)*

- Communication and Engagement with employees *(all levels)* and stakeholders
- Integration with business values and KPIs
- Adaptability to achieve the targets *(up to situations and target groups)*
- Monitoring progress *(systematically and continuously)*



We commit to transparency through our reporting

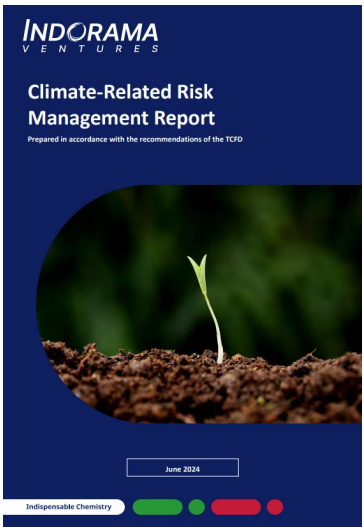
Indorama Ventures' Sustainability Website – Hub of Information



Sustainability Report Executive Summary



Sustainability Report



TCFD Report



TNFD Report



SDGs Report



Water Risk Assessment Report



Materiality Assessment Summary



HRDD Report



Stakeholder Engagement Report





Thank you

