



(Sustainable Development Goals)

REPORT 2020

THE WORLD'S SUSTAINABLE CHEMICAL COMPANY

Integrated Oxides and Derivatives | Combined PET | Fibers

CONTENTS

FOREWORD	3
IVL'S SDGs STRATEGY	7
KEY FOCUS AREAS	8
RELEVANT STRATEGIES	9
TARGETS	10
 3 GOOD HEALTH AND WELL-BEING	11
 4 QUALITY EDUCATION	12
 5 GENDER EQUALITY	13
 6 CLEAN WATER AND SANITATION	14
 7 AFFORDABLE AND CLEAN ENERGY	15
 8 DECENT WORK AND ECONOMIC GROWTH	16
 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	17
 11 SUSTAINABLE CITIES AND COMMUNITIES	18
 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	19
 13 CLIMATE ACTION	20
 14 LIFE BELOW WATER	21
 15 LIFE ON LAND	22
 17 PARTNERSHIPS FOR THE GOALS	23



FOREWORD

We are committed to playing a constructive role by contributing to the achievement of the Sustainable Development Goals (SDGs).

The SDGs are an important way to become a sustainable society by improving people's quality of life and solving global, social and environmental concerns. We have contributed significantly to achieving the SDGs through our Social Innovation Business, which also serves as a source of sustainable growth.

Accordingly, through innovative solutions and products in our Social Innovation Business, we are creating social, environmental, and economic value as part of our management strategy. We are also working to mitigate any adverse impacts resulting from our business and gaining a deeper understanding of business risks arising from social and environmental changes to ensure our readiness and a robust response when needed.

This year's UN Global Compact Leaders Summit marked 20 years of uniting businesses for a better world. We joined their virtual Global Townhall's "Build Back Better: Business Resilience for our Future" session and discussed our commitment and contributions to the SDGs through our circular economy activities and our increasing focus on PET bottle recycling.



In August, IVL joined the GCNT FORUM 2020: Thailand Business Leadership for the SDGs held at the United Nations Conference Center to celebrate both the 20th anniversary of the UNGC and the 75th anniversary of the United Nations. IVL pledged a collective investment of THB 1 billion (approximately US\$33 million) in sustainability projects and initiatives that directly support achieving the UN SDGs by 2030, and committed to embedding the UN SDGs into our core business strategies and activities. This declaration reaffirms our commitment to supporting the Thai government in its efforts to achieve the 2030 agenda.

Mr. Alope Lohia, Group CEO of Indorama Ventures PCL, joined a panel discussion on **“Leadership for Sustainability under the New Normal towards the SDGs”** at the GCNT Forum 2020: Thailand Business Leadership for SDGs on August 31, 2020, at the United Nations Conference Center in Bangkok, Thailand.



Left to Right: Ms. Gita Sabharwal, UN Resident Coordinator in Thailand; Mr. Chaiwat Kovavisarach, President and CEO, Bangchak Corporation PCL; Mr. Alope Lohia, Group CEO of Indorama Ventures PCL; Dr. Sarayuth Saengchan, Senior Executive Vice President-Finance and Acting COO of Mittr Phol Group; and Ms. Patchari Raksawong, Moderator).



Signed in to declare the intention on 31 August 2020 by

[illegible]

This declaration reaffirms our commitment to supporting the Thai government in its efforts to achieve the 2030 agenda.

IVL'S SUSTAINABILITY JOURNEY

IVL celebrated 10 years of sustainability in 2020. Given our vast business operations, we were in a unique position to detect key trends in advance and integrate our business model and strategy accordingly. We also anticipated important megatrends for our clients and communities. Over the last decade, IVL has built a solid foundation for sustainability through strategic actions, which we are now accelerating to achieve our goals of meeting our recycling commitments, creating products, innovations and solutions for the new normal, continuing our engagement with stakeholders for shared value creation, and transitioning to a carbon neutral business.

IVL'S STRATEGY TO ACHIEVING THE SDGs

Businesses have a critical role to play in helping to achieve the SDGs. As a responsible industry leader, IVL is serious about the SDGs and combatting the urgent environmental and economic challenges facing our world. We recognize that we must be accountable to our key stakeholders – our 25,000 employees and their families, customers, and industry partners. Moreover, we believe that aligning with the SDGs will open us up to significant market opportunities.

IVL has outlined five key focus areas to contribute to the SDGs – Recycling and the Circular Economy, Climate Change and Energy, Environmental Stewardship, Health Safety and Well-being, and CSR and Collaborations. Given the nature of our business, we believe we can have the greatest impact on these areas and grow our business while creating positive change. These activities help us align with 13 of the 17 SDGs, totaling 39 targets.

IVL is ready to make further progress across all areas of the value chain through innovative designs, efficient and greener production, streamlined logistics, promoting responsible consumption, proactive waste collection and widespread recycling. We are ready to go further by contributing to other SDGs in the long-term and making inroads on more advanced innovations to create positive value in line with our vision “to be a world-class sustainable chemical company making great products for society.”

IVL'S SDGs STRATEGY

KEY FOCUS AREAS



RELEVANT STRATEGIES



TARGETS



KEY FOCUS AREAS

We continue to create value and contribute to the SDGs by focusing on the 3Ps – People, Planet and Prosperity.



RECYCLING AND CIRCULAR ECONOMY

3 8 9 11 12
13 14 15 17

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

7 9 11 12
13 14 17

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



Renewable Energy



Science-Based Target (SBTs)



GHG Reduction & Energy Efficiency



ENVIRONMENTAL STEWARDSHIP

3 6 7 9 12
13 14 15 17

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



Water Stress Analysis



Waste Diverted from Landfill



Plastic Bottle Collection



HEALTH, SAFETY AND WELL-BEING

3 4 5 8
12 14 15

Guaranteeing that health and safety are at the forefront of our activities



Safe Workplace



Human Rights Protection



Process Safety



CSR AND COLLABORATIONS

3 4 6 8 11
12 14 15 17

Making Recycling Education a global program and collaborating to have further positive impacts on society



Knowledge



Environment



Well-being

RELEVANT STRATEGIES



Recycling Strategy

Our 2025 ambition is to recycle 50 billion PET bottles per year and 750,000 tons of post-consumer PET materials as feedstock into our polyester production per year. From 2011 to 2020, we recycled a total of approximately 58 billion bottles. We are achieving growth in mechanical recycling by investing in more recycling facilities and focused on our long-term goal, which is to achieve a circular economy.



Climate Strategy

Our Climate Strategy 2025 details our climate-related output targets which we intend to reach by 2025 – a 5% reduction in energy intensity, 10% reduction in GHG intensity, 90% wastewater diverted from landfill, 10% reduction in water intensity, 10% renewable energy use, and recycling 50 billion PET bottles per year.



Decarbonization Strategy

Our long-term ambition is to become carbon neutral. In order to decarbonize our carbon footprint, we are exploring a range of solutions that consist of operational eco-efficiency, renewable energy, recycling, advanced technologies, and natural capital solutions.



EHS Strategy

Four organizational groups make up our EHS – Corporate, Regional, Segment and Business/Site. This represents a true enabling model that supports our businesses and regions. Our 2025 goal is for our Lost Time Frequency Rate (LTIFR) to be less than 0.5 cases per 200,000 man-hours, followed by our long-term goal of less than 0.1 cases per 200,000 man-hours.



HR Strategy

People are a company's ultimate competitive advantage. We strive to attract, develop and engage our employees because our people's success is IVL's success. Diversity and inclusivity are core focus areas to maintaining a sustainable workplace at IVL, and are also essential for continued innovation, achieving a growth mindset and sustained business growth. Leadership development is one of our strategic priorities. Our approach is focused on developing effective leaders who contribute to our strengths as an organization and our long-term performance. Our ambition is to expand the scope of succession planning to cover about 1,000 leadership positions by 2023.



CSR Strategy

Our CSR goal is to have a positive impact on society and deliver social, environmental, and economic value. We focus on creating value for our business and society to ensure the company remains sustainable, and we are achieving this by facilitating and engaging the global community, leveraging our strengths through collaborations, raising awareness, and developing the value chain. Our ambition for 2030 is to educate one million consumers around the world on recycling to extend and increase awareness among communities and contribute to more responsible consumer behavior.

TARGETS

3 GOOD HEALTH AND WELL-BEING



LTIFR

per 200,000 man-hours
< 0.5 cases by 2025
< 0.1 cases by 2050

4 QUALITY EDUCATION



Educating 1 million consumers

around the world on recycling education by 2030

5 GENDER EQUALITY



No Human Rights Violations

6 CLEAN WATER AND SANITATION



10% reduction
 in water intensity by 2025

7 AFFORDABLE AND CLEAN ENERGY



Renewable electricity consumption

10% by 2025 and
25% by 2030

8 DECENT WORK AND ECONOMIC GROWTH



LTIFR

per 200,000 man-hours
< 0.5 cases by 2025
< 0.1 cases by 2050

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



US\$ 1.5 billion investment
 in sustainability objectives by 2025

Vitality Index in 2021

Fibers Business = 22% and
 Specialty PET = 34%

11 SUSTAINABLE CITIES AND COMMUNITIES



90% waste diverted from landfill
 by 2025

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



50 billion bottles recycled
 by 2025

750,000 tons
 of post consumer PET bottles
 as feedstock into polyester
 by 2025

13 CLIMATE ACTION



10% reduction
 in combined GHG (Scope 1 & 2)
 intensity by 2025

5% reduction
 in energy intensity by 2025

Becoming a Carbon Neutral Company

14 LIFE BELOW WATER



750,000 tons
 of post consumer
 PET bottles
diverted from ocean

15 LIFE ON LAND



750,000 tons
 of post consumer
 PET bottles
diverted from landfill

17 PARTNERSHIPS FOR THE GOALS



Following and contributing
 to industry partnerships and
 commitments

GOOD HEALTH AND WELL-BEING 3

Guaranteeing the quality of our products, and the health and safety of our employees and contractors

Health, safety and well-being represent our core values. IVL continuously implements improvements to programs and places the health and safety of our workforce at the forefront of our activities. We guarantee the health and safety of our products, employees and contractors and manage health risks by improving local living standards and extending health provisions to the families of employees and their surrounding communities.

SDG Targets 3.8 3.9

Our contribution : Major

Medical Camp

102 patients treated

Operation Smile

(in partnership with Operation Smile Thailand)

115 Patients who had medical consultations

2 Patients who received operations

Performed in two provinces in Thailand (Mae Hong Son and Srisaket)

Monthly donation of



310 KG

of rice for a lunch program at a kindergarten and four children centers in Klong Toei supporting 500 pre-school students



COVID-19

IVL COVID-19 Fund

US\$ **2.5** million

IVL CSR Activities

US\$ **111,860**

IVL Foundation

US\$ **86,100**



TRIR

Total Recordable Injury Rate

0.91

cases per 200,000 man-hours



LTIFR

Lost Time Injury Frequency Rate

0.48

cases per 200,000 man-hours



Zero Fatalities of our employees



THB

200,000

Donated to

the Queen Sirikit Center for Breast Cancer Foundation (QSCBCF)

to treat and support activities for underprivileged breast cancer patients.

OUR COMMITMENTS

- Increasing access to quality and essential health care services
- Reduction in the Lost Time Frequency Injury Rate (LTIFR) to less than 0.5 cases per 200,000 man-hours by 2025, and less than 0.1 cases per 200,000 man-hours by 2050

4 QUALITY EDUCATION

Providing learning and development opportunities to all staff and promoting recycling education in society

The value of education lies in its ability to provide relevant and effective learning outcomes. We provide learning and development opportunities to all staff, and implement STEM training programs that focus on universities, vocational education for women, youth, and marginalized persons in our communities. For recycling education, we want to increase awareness about the benefits of separating waste, the importance of recycling and convincing people to join this effort and reduce waste in the environment.

SDG Targets 4.3 4.4 4.5 4.7

Our contribution : Major

STEM education and training



65

Schools



412

Students



70

Teachers



US\$

16,354

Scholarships



Improved understanding of STEM education

- Provided training and workshops to further improve curriculums in 60 schools in Lopburi and Rayong, Thailand.
- Provided user-friendly and affordable tools for effective learning to five schools in Ghana.
- Improved laboratories to support students conducting science experiments and procured equipment to increase their scientific knowledge and capacities, which in turn, will increase opportunities and engagement at two schools in Bangkok, Thailand.



158 unregistered refugee students

Providing an education program to prepare unregistered refugees aged 6-18 years with sufficient competencies in the Thai language, including knowledge of Thai culture in addition to English and Mathematics.

Recycling Education



27,906

People



2,806

Students



153

Teachers



23,562

Community Residents

OUR COMMITMENTS

- Increasing STEM education and student and teacher training
- Educating 1,000,000 consumers around the world on recycling by 2030

GENDER EQUALITY 5

Supporting gender equality and the increased participation and advancement of women

Gender equality is very important in creating an empowering culture and a necessary foundation for a more peaceful world. We are committed to ensuring that social protections are in place at all of our operating sites and in our supply chain and that no human rights violations take place in any form, from health to security. We encourage women's participation and advancement, especially in managerial and leadership positions in our company and provide educational and career opportunities to young women so they can work in the formal economy.

SDG Targets 5.1 5.2 5.3

Our contribution : Monitor



Provide vulnerable women with empowerment training

that includes goal-setting and life coaching, as well as financial training, life skills, work readiness, sewing skills and producing handicrafts.



79

training sessions
in Chiang Mai, Thailand



223

vulnerable women

(female workers who have maternity status at construction campsites, minorities, victims of domestic violence, inmates)



In 2020, we improved diversity by appointing

- an independent female director to the board.
- the Group Head of Business Continuity Management, in line with IVL's gender diversity agenda.



34%

of our employees
are women in
managerial
positions

OUR COMMITMENTS

- Increasing the number of women in managerial and leadership positions
- Empowering vulnerable women to gain valuable skills positively impacting their lives
- No human rights violations

6 CLEAN WATER AND SANITATION

Managing sustainable water consumption and discharge, analyzing global water risk to minimize the water crisis

The water crisis (water stress, droughts, floods, and a rise in sea levels) is a growing concern around the world. IVL is committed to sustainable water management and ensuring the most efficient water consumption by analyzing global water risk at all our operating sites in addition to implementing the 3Rs (Reduce, Reuse, Recycle). We also collaborate with the authorities on issuing collective actions on water issues in order to improve the efficiency of water supply management and avoid potential conflicts with stakeholders. Additionally, we provide safe drinking water and systems to communities and schools in rural areas.

SDG Targets 6.1 6.3 6.4 6.5 6.6

Our contribution : Moderate

Roughly **US\$ 1.2 million** investment in water efficiency projects

100% of water is treated before being discharged

10% water intensity reduction compared with the 2020 reporting scope

6.6% water reused/recycled



Water Stress Analysis: WRI Aqueduct Tool

16% of our operations are in extremely high stress areas

14% of our operations are in high stress areas

To provide clean water facilities to support

643 vulnerable children and **2,000** people

in the community in Loei, Thailand.

Providing protective supplies and assistance for clean water to urgently needed areas that are severely affected by the COVID-19 outbreak and drought.

OUR COMMITMENTS

- 10% water intensity reduction by 2025 from 2020 levels
- Promoting sustainable water management
- Increasing access to safe drinking water for communities in rural areas

AFFORDABLE AND CLEAN ENERGY 7


Increasing the use of electricity from renewable sources where possible





To reduce our carbon footprint while helping to protect the environment, we are continuously increasing renewable electricity consumption where possible and exploring opportunities to replace fossil fuels with renewable energy across our business operations. We are also promoting sustainable energy efficiency, conservation and reduction in all business segments. All of IVL's sites are currently in the process of acquiring ISO 50001 certification which will further help in tighter monitoring and optimization thus lowering the use of energy at all sites

SDG Targets 7.2 7.3

Our contribution : Moderate

 **55%** **ISO 50001**
Certifications

 **Four plants utilizing** **100%** **Renewable electricity***

	UAB Orion Global PET Lithuania
	Wellman International Ireland
	UTT Technische Textilien Germany
	Indorama Ventures Portugal PTA

* In 2021, Indorama Ventures Quimica, Spain began using 100% renewable electricity.

We are actively reducing our reliance on conventional energy and increasing our use of renewable energy sources such as:


solar energy


biomass


biogas


renewable natural gas

In 2020, our combined use of
1,767,434 GJ
of renewable energy

saved over **87,227** tCO₂e

OUR COMMITMENTS

- Renewable electricity consumption: 10% by 2025 and 25% by 2030
- Promoting sustainable energy efficiency



8 DECENT WORK AND ECONOMIC GROWTH

Providing decent working conditions, a non-discriminatory environment and equal opportunities in our operations and supply chain

To grow sustainably, we must provide decent working conditions in a non-discriminatory environment and with equal opportunities in our operations and supply chain. We respect all human rights and are abiding by the UN Universal Declaration of Human Rights and the International Labor Organization (ILO)'s Declaration on Fundamental Principles and Rights at Work. We are making sure that our Human Rights Policy reflects the rights of all stakeholders. None of our operations or key raw material and non-raw material suppliers are at risk of incidents of child, forced and compulsory labor.

SDG Targets 8.4 8.5 8.6 8.7 8.8

Our contribution : Moderate



25,207 Total Employees



294 Employees with disabilities



91.51% Global retention rate



429,886 Total training hours



Employee engagement

73.90%
(an actively engaged employee)



Survey participation

82.87%



Employee net promoter score

76.20%



16% of our employees are below 30 years old



In 2020, Indorama Ventures remained at the Gold Level, recognized as one of the top 2% of companies (98th percentile) rated by EcoVadis in the manufacture of basic chemicals.



UAB Orion Global PET was awarded first prize in the "For Employee" category

by the Klaipeda Industrialist Association, a business organization operating as part of the Lithuanian Industry Confederation. This recognition acknowledges OGP's initiatives and policies in creating a motivating environment, a more educated workforce, and delivering a stable workplace for employees.



Indorama Ventures Poland Sp. z o.o. was awarded first place in the Employer-Safe Work Provider competition.

This award, organized by the National Labor Inspectorate, recognized our subsidiary in Poland as the top company at the regional level. The company is also in the running for best company nationally.

OUR COMMITMENTS

- Protecting labor rights and promoting a safe and secure working environment
- Reducing the Lost Time Injury Frequency Rate (LTIFR) to less than 0.5 cases per 200,000 man-hours in 2025 and less than 0.1 cases per 200,000 man-hours in 2030

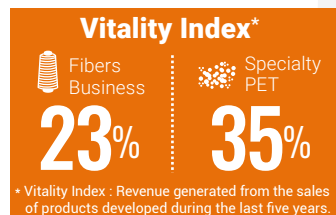
INDUSTRY, INNOVATION AND INFRASTRUCTURE 9

Empowering sustainable development through investments in manufacturing, innovation and technology

Our innovative approach drives us to find better, safer, and more cost-effective ways to solve the day-to-day problems and challenges of our customers. We have further invested in research and development centers to empower sustainable development in manufacturing and innovations & technology, to offer better value and great products to our customers by rapidly responding to their ongoing requirements and anticipating their future needs. Increasing innovation and production of low-carbon products will ensure that IVL becomes a preferred company by our customers as well as consumers, also contributing financially through lower overall production costs.

SDG Targets 9.2 9.4 9.5

Our contribution : Moderate



OUR COMMITMENTS

- Investing US\$1.5 billion in sustainability projects (Recycling and Operational efficiency)
- 10% combined GHG (Scope 1 & 2) intensity reduction from 2020 levels
- 2021 Vitality Index*: Fibers Business = 22% and Specialty PET = 34%
- Promoting investments in R&D and technology



11 SUSTAINABLE CITIES AND COMMUNITIES

Strengthening efforts to protect natural heritage and reduce the adverse environmental impact with a focus on people in vulnerable situations in making sustainable cities and communities

Cities and communities are important for our license to operate and have enabled the people to advance socially and economically in line with our focus on creating shared values to stakeholders and ensure sustainable growth for our business. IVL aims to provide opportunity to local communities and cities in terms of creating jobs and prosperity in areas we operate. We strengthen efforts to protect natural heritage and reduce the adverse environmental impact of cities particularly to air quality, municipal and other waste management.

SDG Targets 11.4 11.6

Our contribution : Moderate

222,288 tons
equivalent to **10.1 billion bottles**
of post-consumer PET bottles
diverted from landfill and oceans in 2020

84%
of waste diverted
from landfill
in our operations

Donated 250 waste bins
to 96 organizations in 4 provinces
(Bangkok, Nakhon Pathom, Rayong,
and Lopburi, in Thailand)



223 vulnerable women

(female workers who have maternity status at construction campsites, minorities, victims of domestic violence, inmates)



79 training sessions
in Chiang Mai, Thailand



Community Investments more than
US\$ 450,000



Wetlands Edge Environmental Center (WEEC), is a partnership between Indorama Ventures Xylenes and PTA (IVXP), and Decatur City Schools in Decatur, Alabama.

- Located on IVXP's property with more than 400 acres of wildlife habitat.
- Offers a brand new opportunity to explore the natural world in a setting that combines native species and natural beauty.

Such remarkable biodiversity in habitat and species places Alabama in the top five on the biodiversity index for the contiguous 48 states. We also teach students about the care and husbandry of the live animals in residence at the center.

OUR COMMITMENTS

- Recycling 50 billion PET bottles per year by 2025
- Improving our operational eco-efficiency through sustainability initiatives and green projects
- 90% waste diverted from landfill by 2025

RESPONSIBLE CONSUMPTION & PRODUCTION 12

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

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 12.1 12.2 12.4 12.5 12.6 12.7 12.8

Our contribution : Major

 **10.1 billion bottles**
equivalent to **222,288 tons**

of post-consumer PET bottles
diverted from landfill and oceans in 2020

 **84%** waste
diverted from
landfill

 **6.6%** water
reused and
recycled

Recycling education

 **27,906**
people received
trainings

 **732**
teaching
hours

 **725** downloads recycling
education materials

 **424,530**
bottles
collected globally

 **6,109 kgs**
of bottles returned
to recycling factories


Indorama Ventures
is
THE FIRST AND ONLY COMPANY IN THAILAND
to produce
100% recycled PET yarns
for
PPE coveralls

Distributed over
19,000 coverall PPE suits
to 200 hospitals across Thailand,
using 80,000 post-consumer
PET plastic bottles.

OUR COMMITMENTS

- Recycling 750,000 tons of post-consumer PET materials as feedstock per year by 2025
- Recycling 50 billion PET bottles per year by 2025
- 10% water intensity reduction by 2025 from 2020 levels
- 90% waste diverted from landfill by 2025
- Educating 1,000,000 consumers around the world on recycling by 2030

13 CLIMATE ACTION

Improving resource use, energy efficiency, and developing strong low-carbon strategies

Climate change is one of the most compelling risks with potentially serious implications for businesses. Post-COP 21, IVL anticipates more environmental, social, political, and economic repercussions. We have carried out Climate Change Risk and Opportunity analyses to regularly update our regulations. This is driving our increased use of renewable energy, production of low-carbon products, and more efficient use of our resources. In addition to our Climate Strategy 2025, we developed a Climate Strategy Corporate Standard that guides our global operations in terms of best practices for the climate, including GHG management, with key actions and KPIs in four segments.

SDG Targets 13.2

Our contribution : Major

 US\$ **5.1 million**

in energy efficiency investments

More than **48,000 tons**

of carbon footprint reduced through green projects at our operations

Decarbonization Strategies


Improving operational efficiency



Renewable Electricity


Recycling


Natural Capital Solutions


Future Technologies

Carried out GHG scope 1,2 and 3 accounting and audit


1.9 million tons
of carbon footprint reduced by recycling post-consumer PET bottles


deja
Co₂Neutral

The Deja™ Carbon Neutral PET
pellet is our latest innovation. It has been sustainably produced throughout its supply chain and helps environmentally conscious companies achieve their sustainability targets by lowering their Scope 3 GHG emissions.


DRIVING SUSTAINABLE ECONOMIES

Achieved a **B Rating** in the CDP's Climate Change assessment in 2020

 TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES

Aligned the **COP21 and TCFD frameworks and recommendations** in our 2025 Climate Change Strategy 

 **Science-Based Target (SBTs)**

We have committed to set a **science-based target** through the Science Based Targets initiative and **aim to set our SBTs by 2024.**

50 CLIMATE LEADERS 
SUSTAINABILITY: A RACE WE CAN WIN

We participated in the **50 Climate Leaders campaign** 

OUR COMMITMENTS

- 5% energy intensity reduction by 2025 from 2020 levels
- 10% GHG intensity reduction (Scope 1 and 2) by 2025 from 2020 levels
- Committed to becoming a carbon neutral company

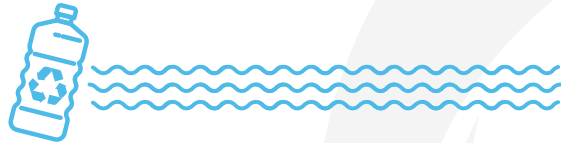
LIFE BELOW WATER 14

Preventing, reducing and collaborating with like-minded organizations to address waste in the oceans

Water is a vital resource for both our operations and the planet. However, the quality of the world's water is increasingly being degraded, threatening the health of people and ecosystems. IVL has been focusing on responsible water use through our Sustainability Strategy and our Corporate Global Water Strategy. We are working to achieve zero liquid discharge at more of our sites, as well as building wastewater treatment plants to increase water reuse and recycling, and reducing freshwater withdrawal in most of our operations to improve water quality and reduce the likelihood of damage to the ecosystem and life below water.

SDG Targets 14.1 14.4

Our contribution : Monitor



222,288 tons

equivalent to **10.1 billion bottles**

of post-consumer PET bottles diverted from oceans in 2020



Innovative ideation to reduce marine debris and littering through the Litter Trap Contest by the Faculty of Fisheries, Kasetsart University

The IVL Foundation and Kasetsart University are raising public awareness about marine litter and how to make marine debris relevant to our lives. The winning litter trap will be developed and installed in selected areas to ensure that waste does not flow into larger bodies of water.

The ideation will be developed and piloted in Sriricha, Chonburi province in 2021.

OUR COMMITMENTS

- Recycling 750,000 tons of post-consumer PET materials as feedstock per year by 2025
- Reducing ocean pollution by recycling 50 billion PET bottles per year by 2025

15 LIFE ON LAND

Reducing the risk of potentially adverse environmental impacts and monitoring the new areas near our operations

We are expanding the scope of our environmental stewardship to reduce potential risks with adverse environmental impacts. We are committed to effectively managing our environmental footprint as resources are scarce. We also implemented other non-energy related projects such as water savings, reducing our use of raw materials, chemicals, and feedstock consumption, reducing wastewater sludge disposal, and a reduction in other waste in our processes which help in cutting emissions.

SDG Targets 15.1

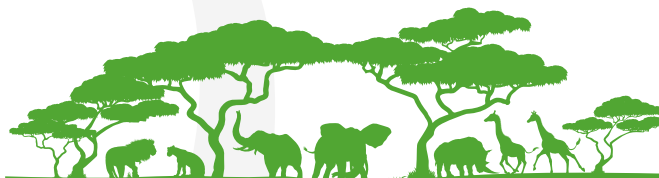
Our contribution : Moderate



222,288 tons

equivalent to 10.1 billion bottles

of post-consumer PET bottles diverted from landfill in 2020



Supported wildlife conservation

(saving species and adopting animals)

in the Asheboro Zoo in North Carolina



84% of waste **diverted from landfill** in our operations

OUR COMMITMENTS

- Protecting and restoring degraded forests and promoting sustainable ecosystems and biodiversity
- Reducing on-land plastic pollution by recycling 50 billion PET bottles per year by 2025
- 90% waste diverted from landfill by 2025

PARTNERSHIPS FOR THE GOALS 17

Partnering with organizations to intensify our contributions to achieve the goals and a circular economy

We are working to achieve a circular economy by collaborating with several industry partners and organizations such as the UN Global Compact, NAPCOR, Ellen MacArthur Foundation, New Plastics Economy, Minderoo Foundation, The Recycling Partnership, Plastics Recyclers Europe, Association of Plastic Recyclers, and Positively PET, to play a leading role by bringing customers of recycled products into the value chain and developing ways to include recyclability and circularity in all of our products.

SDG Targets 17.4 17.6

Our contribution : Major



INDORAMA

THE RECYCLING PARTNERSHIP

CIRCULAR ECONOMY ACCELERATOR
A RECYCLING PARTNERSHIP INITIATIVE

Joining the Circular Economy Accelerator

In 2020, Indorama Ventures was proud to support the Circular Economy Accelerator initiative. By working together, we can build a better recycling system in the US. This will result in a stronger, sustainable economy and environment through job creation, protecting natural resources, and reimagining how we design and deliver goods along the way. Bold new steps in recycling policies are required to make this happen.



United Nations
Global Compact

We were accepted as a participant member of the **United Nations Global Compact** and are committed to implementing the Ten Principles.



GLOBAL
PLASTIC ACTION
PARTNERSHIP

We joined the **World Economic Forum's Global Plastic Action Partnership (GPAP)**, an initiative to minimize plastic leakage into the environment and a key step in enabling us to meet our target of ending PET plastic waste.

TCFD

TASK FORCE ON
CLIMATE-RELATED
DISCLOSURES

We were the **first chemical company in Thailand to be a signatory to the TCFD** and continually monitor and adapt our decisions to ensure our business is successful through an active focus on sustainability governance.



American
Chemistry
Council

American Chemistry Council (ACC) We joined the American Chemistry Council (ACC) and Mr. Alope Lohia, our GCEO, is on the ACC board. This forum focuses in part on sustainability and energy and represents a platform that collaboratively addresses environmental and social concerns.

OUR COMMITMENTS

- Partnering with organizations to intensify our contributions to the achievement of SDGs
- Partnering with organizations to intensify our contributions to the circular economy



www.indoramaventures.com



INDORAMA VENTURES PUBLIC COMPANY LIMITED

75/102 Ocean Tower 2, 37th Floor, Sukhumvit Soi 19 (Wattana), Bangkok 10110 Thailand | Tel. +662 661 6661 | Fax +662 661 6664-5