



Sustainability Report Executive Summary

2020

# **Committed Towards A Sustainable Future**



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# **Key Sustainability Achievements 2020**



Member of
Dow Jones
Sustainability Indices
Powered by the S&P Global CSA

Sustainability Award

esp Clabal

 Indorama Ventures was recognized in SAM's Sustainability Yearbook 2021 with the Silver Class distinction and was listed in the Dow Jones Sustainability Indices (DJSI) - World and Emerging Markets.

- We were **ranked third** among 115 of the world's leading sustainable chemical companies.
- 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





- Indorama Ventures remained a constituent of the FTSE4Good Index Series following the October 2020 index review, achieving the top rank among chemical companies globally (scoring 4.6 out of 5).
- We received a Best ESG score standing at the top of the group with a 100<sup>th</sup> percentile rank.

• Indorama Ventures improved its ESG rating from BB to BBB in 2020.





 Indorama Ventures achieved a B Rating in the CDP's Climate Change Assessment in 2020.

 Sustainalytics assessed IVL as a leader in the chemicals industry placing the company 7th out of 202 companies, as per their report in January 2021.



for 2nd consecutive year



 Indorama Ventures was awarded "Best Regional Loan" in the manufacturing sector for its US\$300 million Blue Loan – the first of its kind granted to a plastic resin manufacturer.



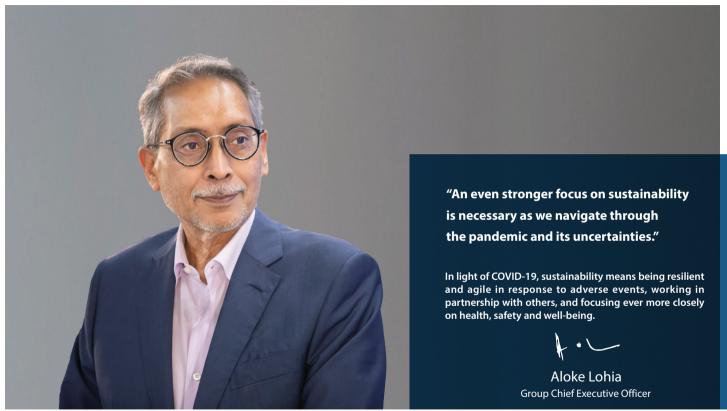


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# **Group CEO Message**





# **Chief Strategy Officer Message**





# **Chief Sustainability Officer Message**





### IVL at a Glance





### **IVL Operations**

As of 31 December 2020

<b>123*</b> Sites	•	<b>6</b> Continents
33	•	15
Countries	:	Recycling facilities

<sup>\*</sup> The Sustainability Report 2020 consists of data from 107 sites. Further details are provided under 'About This Report' in the full Sustainability Report.

#### North America

- Canada
- Mexico
- · The United States

### Europe

- Austria
- Bulgaria
- Denmark
- France
- Germany
- Ireland

- Italy
- Lithuania
- LuxembourgPoland
- Portugal
- Russia

Slovakia

For More Information

- Spain
- The Czech Republic
- The Netherlands
- Turkey
- The United Kingdom



#### **South America**

Brazil



#### Africa

- Egypt
- Ghana
- Nigeria



### Ocean<u>ia</u>

Australia

### Asia

- China
- India
- Indonesia
- Israel
- Myanmar
- · The Philippines
- Thailand

# **Business Segments**









Integrated Oxides and Derivatives

# Sustainability Strategy



Our Sustainability Strategy focuses on the three core elements necessary to meet our 2025 targets – protecting the environment through responsible operations, empowering our people and transferring value to our stakeholders, and driving economic prosperity ethically and innovatively.

### **Environment - Responsible Operations**

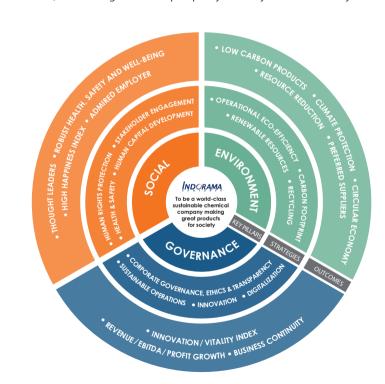
Our operations and products are focused on being environmentally-friendly, contributing to the circular economy, minimizing resource consumption and reducing emissions to fight climate change, and contributing to the circular economy.

### **Social – Empowerment Culture**

Our respect for human rights, engagement and investments in capacity building, and creating shared value for our stakeholders demonstrates our commitment to achieving long-term success.

#### **Governance – Business Potential**

Our business is based on our integrity and ethical principles, driving customer experiences through our innovative products and moving forward in meeting societal needs for sustainable growth and leadership.



# **Sustainability Framework**



Vision	To be a world-class sustainable chemical company making great products for society				
Values	"Always evidence-based"	会会会 "Honesty in everything"	"Collaborative & Innovative"	"Visionary leadership"	/음\ "Adaptive 음—음 mind-set"
Aspirations Carbon Neutrality Improving Lives Trusted Partner to sustain our world and business through sustainable and affordable products to the global community					
Differentiators	Thought Leadership on sustainability and the circular economy	Global-Local close proximity to stakeholders	Circular Approach improving circularity in IVL's value chain	<b>Early Adopter</b> bringing innovation to our operations	<b>ESG Best-in-Class</b> investing in a sustainable business
	Must do	Thrusts - Sustainable growth Enabler			
Strategic priorities	Stakeholder Engagement Aligning our actions responsibly and in a way that benefits society	Recycling Building the recycling infrastructure the world needs to deliver a circular economy	Efficiency Efficient use of resources, delivering sustainability goals and ROCE, and energy transition/waste to resources	Measurable Understanding what will be covered in our sustainable commitments and how our products improve society	Education Scaling our education programs while leveraging our extensive global footprint
Metrics	IVL goals shared and adopted by society	Recycling 750 kt (50 bn) PET bottles p.a. by 2025	Towards carbon neutrality	External validation	Educate 1,000,000 consumers by 2030



For More Information



# **Climate Change Strategy**

Climate change is one of the biggest challenges we face. As a business, IVL has a vital role to play. We recognize these risks and are committed to taking action. Our Climate Strategy 2025 focuses on better use of natural resources, support for the circular economy, climate change resilience and efficiencies across processes and operations.

### **Our Ambitions**



- Operational eco-efficiency improvements
- Target setting together with energy consumption and GHG emissions



Increasing the consumption of renewable electricity, both onsite (rooftop and ground mounting) and offsite (virtual power purchase agreements)



- Internal shadow carbon pricing
- Emissions trading scheme (ETS)
- Water stress analysis by WRI



Working on setting up Science-Based Targets (SBTs)

Pillars	Strategies	Outputs
	Upstream & Downstream Integration	Increase in the use of post-consumer recycled materials
Process/Product Efficiency	Climate Innovation	• 5% reduction in energy intensity by 2025*
	Recycled Raw Materials	<ul> <li>Reduction in the use of virgin raw materials</li> </ul>
	Renewable and Low Carbon Energy	• Renewable electricity consumption: 10% by 2025 and 25% by 2030
Natural	Low Carbon Products	• 10% reduction in combined GHG (Scope 1&2) intensity by 2025*
Resources	Water and Wastewater Management	• 10% reduction in water intensity by 2025*
Ø.	Shadow Carbon Pricing	Address climate-related risks
	Water Risk Analysis	Integrating ESG and carbon pricing
Climate Change	TCFD Framework	into business decisions
Resilience	Scenario Analysis	
	Waste Management	Reduce, recycle, reuse
(3)	Sustainable Supply Chain	<ul> <li>Reduction in the consumption of natural resources</li> </ul>
Circular	Responsible Consumption	Reduction in PET waste
Economy	Engagement with Stakeholders	Recycling education

<sup>\*</sup> Base year 2020



# **Our Sustainability Ambitions Towards Carbon Neutrality**

For More Information



# Focusing on short and medium-term targets

We are reducing GHG emissions by utilizing renewable energy, implementing energy efficiency projects and reducing energy consumption in every country where we operate. We also support the Paris Climate Agreement for which many countries have pledged to reduce their GHG emissions through nationally determined contributions (NDCs). We set the following key sustainability ambitions for 2025-2030:

## Energy\* **Sustainability Investments** 5% reduction in energy intensity by 2025 **US\$1.5 billion** investments for sustainability objectives 2025 Global Commitment • Recycling 750,000 tons of post-consumer PET materials as feedstock into our polvester INDORAMA • Recycling 50 billion bottles per year

#### **GHG\***

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

#### Waste

90% waste diverted from landfill by 2025

### **Circular Economy**

- Integrating the circular economy concept into IVL's operations
- Partnering with organizations to intensify our contributions to the circular economy

#### Water\*

10% reduction in water intensity by 2025

Contributing to the

Recycling

production per year

10% by 2025

25% by 2030

**Renewable Electricity** 

<sup>\*</sup> Base year 2020



# Value Creation Model

As we enter the tenth year of sustainability reporting, we have adopted the International Integrated Reporting Council (IIRC)'s International Integrated Reporting <IR> Framework. By structuring our report based on this framework, we can demonstrate to our stakeholders how we are creating value through our short, medium and long-term strategies in six capital inputs.

### **INPUT**



#### **Financial Capital**

US\$4,515 million in total equity US\$3,990 million in current assets



#### **Manufactured Capital**

123 sites in 33 countries in 6 continents including 15 recycling facilities



#### **Natural Capital**

Raw materials consumption = 15.02 million tons Energy consumption = 104.7 million GJ Water consumption = 82.5 million m<sup>3</sup> Renewable energy = 1.77 million GJ



#### **Human Capital**

A highly qualified, experienced and diverse board 25,207 total workforce 429,886 training hours US\$2,070,050 total training cost



#### **Social and Relationship Capital**

US\$1.09 million CSR contributions COVID-19 Fund



#### **Intellectual Capital**

US\$19.2 million in R&D spending 173 R&D employees 17 R&D centers

### **FOCUS**

#### **Our Vision**

To be a world-class sustainable chemical company making great products for society

### **Our Mission**

We commit to be a responsible industry leader leveraging on the excellence of our people, processes, and technologies to create values for our stakeholders.



# Value Creation Model (cont'd)



For More Information



### **OUTPUT**

### OUTCOME

### **IMPACT**

#### Total production volume

13.72 million tons (excluding inter-company sales) 15.55 million tons (including inter-company sales)

#### **IOD Business**

Production volume = 1.98 million tons Core FBITDA = US\$105 million

#### **Combined PET Business**

Production volume = 10.17 million tons Core EBITDA = US\$794 million

#### **Fibers Business**

Production volume = 1.57 million tons Core EBITDA = US\$195 million

#### **Financial Capital**

Revenue = US\$10.594 million Core EBITDA = US\$1.114 million Core Earning Per Share (EPS) = THB 1.01

#### Manufactured Capital

Flake Production = 155,586 tons rPET production = 70 kt10.1 billion PET bottles recycled

#### **Natural Capital**

3% reduction in total energy intensity compared with 2019 reporting scope

5.6% reduction in combined GHG (Scope 1&2) intensity compared with 2019 reporting scope

10% reduction in total water intensity compared with 2019 reporting scope

17% reduction in total hazardous waste intensity compared with 2019 reporting scope

#### **Human Capital**

91.51% overall retention rate 22% female 0.91 cases per 200.000 man-hours in TRIR 0.48 cases per 200,000 man-hours in LTIFR

#### Social and Relationship Capital

86.16% overall Customer Satisfaction Index (CSI) 92% overall Customer Retention Rate (CRR) 585 CSR activities

#### Intellectual Capital

35% vitality index in Specialty PET Business 23% vitality index in Fibers Business 94 Patents

#### **Better Growth**





Contributing to 3 4 6 8 12 13 14 15 17 SDGs



#### **Better Environment**





Contributing to 3 6 7 9 12 13 14 15 17 SDGs

#### **Better Life**





Contributing to 3 4 5 8 12 13 14 15 17 SDGs

# Our Contributions to the UN SDGs







With a strong focus on creating value for the 3Ps - People, Planet and Prosperity, we continue to support and contribute to the UN SDGs.

#### **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.







Recyclina Industry Commitment **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.







Human Rights Protection



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

# **Response to the COVID-19 Pandemic**



The COVID-19 pandemic in 2020 had an unprecedented impact around the world and challenged our ability at all levels to ensure the safety and well-being of our stakeholders across our value chain while maintaining business resilience. However, our decade-long effort at embedding sustainability in IVL allowed us to successfully navigate its effects of the pandemic.







**Employee Care** 

**Business Continuity** 

**Contributions to Society** 

#### Contributions through IVL's COVID-19 Fund (US\$1.88 million) Support for 135 organizations in 29 countries 63% 10% Others Communities 24% 30% PPE supply Asia Food, beverages, clothing and essentials 23% 27% Hospitals Medical 30% 45% equipment 31% Sanitizer Americas 14% **EMEA** Charitable organizations \* Data as of December 2020, % of total contributions.







# RESPONSIBLE AND EFFECTIVE GOVERNANCE



IVL recorded organic volume growth of 5% and total volume growth of 18% despite the COVID-19 pandemic. This success was driven in part by our effective leadership team and our focus on sustainability.





# **Corporate Governance**

ENIER STANLIN











Corporate Governance encompasses the policies, people, processes and expectations that IVL and its our subsidiaries adhere to on a daily basis, across the world. Rooted in our Vision, Mission and Values, and overseen by our Board of Directors, our Corporate Governance system is the foundation of our daily actions. It holds us accountable and ensures that we do business the right way.



100% independent Directors on the NCCG Committee

Directors on the Nomination, Compensation and Corporate Governance Committee (NCCG Committee) are 100% independent.



IVL received an "Excellent - 5 Star" CG score by the Thai Institute of Directors (IOD) for the eighth consecutive year.



IVL successfully renewed its certification with Thailand's Private Sector Coalition Against Corruption (CAC) in May 2018, having been first certified in October 2014.

# 2020 Highlights

In 2020, we improved diversity by appointing an independent female director to the board, in line with IVL's gender diversity agenda.



**81%** of our sites completed training of our new Corporate Governance Manual.



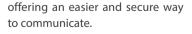
Anti-Corruption Training to **86%** of our employees.



**No penalties** were imposed on IVL for material non-compliance with respect to corporate governance regulations.



IVL was one of the recipients of the **Asset Class PLC** award for the 2019 ASEAN CG Scorecard (ACGS) announced in 2020.



The Whistleblower Reporting

Channel is an independent site





# **DRIVING SUSTAINABLE GROWTH**



#### **Our Ambitions for Better Sustainable Growth**



#### Short-Term (2021–2024)

- Vitality Index 34% for the Specialty PET business and 22% for the Fibers business in 2021
- Customer Satisfaction Index (CSI) ≥ 86.0% in 2021
- Leading rPET player in core markets



#### Medium-Term (2025)

- 750,000 tons of total post- consumer PET as feedstock into our polyester production per year
- To recycle 50 billion bottles per year
- US\$1.5 billion sustainable investments for sustainability objectives
- 7% revenue from low carbon products



#### Long-Term (2050)

• Towards A Circular Economy

by:

- developing partnerships with external associations and organizations
- becoming a circular economy thought leader
- innovating sustainable products serving customers' needs
- diverting plastic waste from the environment and oceans





# Circular Economy Thought Leadership











For More Information



As the largest virgin PET producer, we strive to be a leader that promotes concepts of circularity to achieve our 2025 recycling targets with a broader aim of creating a better tomorrow. One of our key drivers in becoming a circular economy thought leader is by engaging in meaningful collaborations with our industry partners to push our capacity for innovations and to drive increased demand for rPET.



















Indorama Ventures is a member of the Circular Economy Accelerator: A Recycling Partnership Initiative. We are increasing our recycling efforts by placing curbside collection carts in multi-family residential complexes to further extended producer responsibility (EPR) initiatives with the US government.

#### **Overall Goals**

- Bring curbside recycling of films and flexibles to more residents
- Increase demand to support end markets
- Achieve a 30% recovery rate in line with the EMF's definition of recyclable

















For More Information



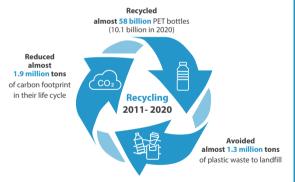
With a worldwide footprint, we are driving real change in recycling and constantly looking to increase our recycling capacity and efficiency to achieve our goal of becoming a circular economy thought leader.



#### **Our Recycling Strategy**

- · Strengthening our global recycling capabilities
- Contributing to a circular economy
- Ensuring a fully closed loop

# 222,288 206,996 109,446 3,576 2011 2012 2015 2017 2019 2020





**Deja™ Brand** - Always striving to close the loop, our range of Deja™ sustainable rPET/rPET blend flakes, pellets, fibers and filaments are **made to be remade again.** 

# 2020 Highlight





Coca-Cola Beverages Philippines, Inc. (CCBPI), the Bottling arm of Coca-Cola in the country, and Indorama Ventures signed a joint-venture agreement to establish PETValue, the largest state-of-the-art, bottle-to-bottle recycling facility in the Philippines.

PETValue will ensure that used PET plastic bottles that are 100% recyclable, and therefore not "single-use," are given new life and used again and again within a circular economy. The plant's projected capacity is 30,000 MT/year of flakes which will recycle almost two billion plastic bottles with an output of 16,000 MT/year of recycled PET resin in the first phase. A second extruder will subsequently be installed to consume the remaining quantities of flakes.

Unit: Tons



















Innovation drives growth and is vital for the long-term sustainability of our business. Being innovative means foreseeing market demands, creating cutting-edge products, encouraging creativity in our workforce and investing significantly in research and development (R&D).

It also means ensuring that our processes and solutions meet environmental needs and are in line with our Sustainability Strategy. We adopted six categories: product innovation, process innovation, environmental innovation, open innovation and internal and external collaborations.

### **Vitality Index\***

Fibers Business	OXIVIZIO S	Specialty PET Busi	iness
2020	2021	2020	2021
Actual 23%	Target <b>22%</b>	Actual 35%	Target <b>34%</b>
Target <b>22%</b>		Target 34%	J

 $<sup>\</sup>hbox{$^*$ Vitality Index: Revenue generated from the sales of products developed during the last five years.}$ 

# 2020 Highlights



US\$19.2 million in R&D Spending



173 R&D Employees



17 R&D Centers



**94** Patents in 2020 (applied and granted) out of overall 884 patents



Over **300** Collaborative Projects

### Wellman HealthGuard® AMIC

To meet consumer demand for viral protection, Wellman International has joined forces with the HealthGuard Corporation, to develop a range of antiviral, antimicrobial and anti-bacterial polyester staple fibers. Our fibers, when treated with HealthGuard® AMIC, mitigate the transmission of the SARS-CoV-2 (COVID-19) virus.





# Safe and Sustainable Products 3 streets | 1 streets |













For More Information



To lower our environmental impact, we design, develop and deliver products that adhere to the most stringent quality and sustainability standards. From the responsible sourcing of raw materials to maintaining efficient systems and investing in the full life cycle impacts of our products. we continue to grow sustainably and with a focus on safety.

**Product** Design Criteria



### **Product Safety Mechanisms**

#### **Product Compliance Risk Characterization (PCRC) Process**

Assessment conducted on 100% of our products for potential environmental and human health impacts.

**Customer** inputs collected to obtain downstream application information.

The PCRC process includes raw material assessments covering manufacturing hazards and product compliance (chemical registration and food safety) with a focus on new formulations in targeted markets.

### **Management of Hazardous** Chemicals/Substances

Products across the portfolios are assessed for challenged chemicals or substances.



# Creating Strong Customer Relationships







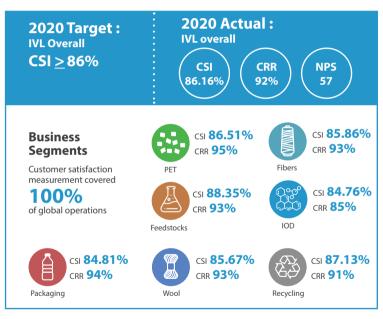




As stated in our values, the customer is why we exist. We offer our customers world-class products of the highest quality and seek continuous improvements in how we deliver our services. In addition to strengthening relationships on an ongoing and daily basis, we actively seek feedback via tools such as the Customer Satisfaction Index (CSI), Customer Retention Rate (CRR), the Net Promoter Score (NPS), and comprehensively integrate recommendations. We will continue to place the customer at the heart of how we run our business.

#### **IVI Products** Fnd uses and IVI CoMa share<sup>2</sup> IVI CoMa share3 F&B Packaging PET, PTA, EG 48% PET, PEO, Surf., HPC & Hygiene 20% Hygiene Fibers Oxvfuels, Surfactants Oil & Gas 1% Mobility Fibers, Automotive parts 10% Lifestyle Fibers Lifestyle Fibers Apparel 6% Lifestyle Fibers, Housing & Construction 5% PO, PEO **Electrical & Electronics** PET, NDC 3%

Notes: (1) Home, Personal Care and Hygiene products; hygiene products include baby diapers, adult incontinent, feminine care products, disposable wipes, as well as medical applications (e.g., masks and gowns). (2) CoMa (Contribution Margin) based on IVL 2020A; above end-market represents 94% of IVL's portfolio. (3) 2020A





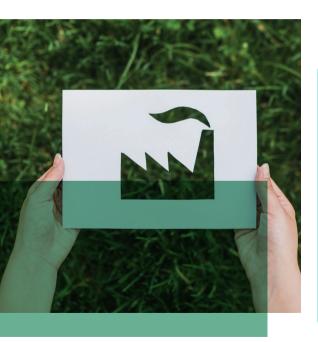
2021/2022 Target

IVL Overall CSI > 86%





# **TOWARDS CARBON NEUTRALITY**



#### Our Ambitions for a Better Environment for the Planet



# Short-Term (2021–2024)

- Set Science-Based Targets (SBTs)
- Set the Scope 3 GHG emissions target
- No major cases of environmental non-compliance



#### Medium-Term (2025)

- 10% reduction in combined GHG (Scope 1 and 2) intensity\*
- Renewable electricity
   10% by 2025 and
   25% by 2030
- 5% reduction in energy intensity\*
- 10% reduction in water intensity\*
- 90% waste diverted from landfill
- \* Base year 2020



### Long-Term (2050)

- Towards A Circular Economy
- Towards Carbon Neutrality by :
  - continuously reducing our carbon footprint
  - > improving operational eco-efficiency
  - > procuring renewable and low carbon intensive energy
  - optimizing natural resource consumption









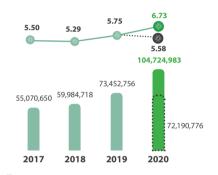






Our key strategies to become carbon neutral include actively reducing our reliance on conventional energy, increasing the renewable energy utilization mix in our day-to-day operations, and improving operational eco-efficiencies.

#### **Total Energy Consumption**



- Total consumption (GJ) 2020 Reporting Scope (107 sites)
- Total consumption (GJ) 2019 Reporting Scope (94 sites)
- Intensity (GJ / ton of production) 2020 Reporting Scope (107 sites)
- Intensity (GJ / ton of production) 2019 Reporting Scope (94 sites)

Note: Intensities are calculated based on overall production including inter-company sales.

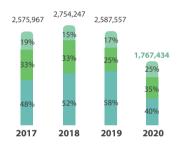
2020 energy has increased as IVL acquired cracker plants, which resulted in higher energy consumption.

# \* Base year 2020

# 2025 Target

5% reduction in energy intensity\*
10% renewable electricity consumption

#### **Total Renewable Energy Consumption**



- Total Renewable Biogas (GJ)
- Total Renewable Biomass (GJ)
- Total Renewable Electricity (GJ)

# 2030 Target

25% renewable electricity consumption

# 2020 Highlights

- 3% reduction in total energy intensity compared with 2019 reporting scope
- 8% increase in biogas consumption



UAB Orion Global PET, our subsidiary in Lithuania, installed a solar power plant in place of a fence, which performs the dual functions of marking the boundary and generating 55.82 MWh of electricity per year bringing total solar energy capacity at the site to 390,000 kWh.

## **2013-2020 Progress**

**4%** reduction in energy intensity



# **GHG Management**



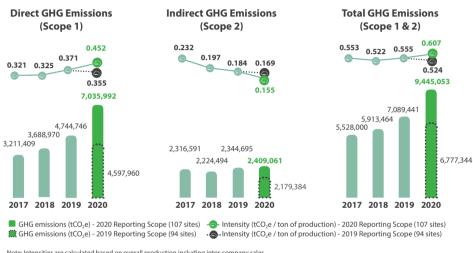




For More Information



We are reducing our carbon footprint and driving transformations across our value chain to achieve our goal of a 10% reduction of Scope 1 and 2 GHG emissions by 2025.



# 2020 Highlight

• 5.6% reduction in combined GHG (Scope 1&2) intensity compared with 2019 reporting scope

## **2013-2020 Progress**

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



# 2025 Target

**10%** reduction in combined GHG (Scope 1&2) intensity\*

Note: Intensities are calculated based on overall production including inter-company sales.

2020 emissions has increased as IVL acquired cracker plants, which resulted in higher GHG emissions.

### GHG (Scope 3)

In 2020, GHG Scope 3 data collection coverage was 100% for the categories below. We plan to expand the reporting of all relevant categories to our business by 2023.



 Purchased Goods and Services



 Upstream Transportation and Distribution



 Downstream Transportation and Distribution



Fuel and Energy
 related Activities



 Employee Commuting and Business Travel



 Waste Generated in Operations



100%

GHG accounting, verification and assurance in accordance with ISO 14064-1 and ISO 14064-3



















We manage our water responsibly, including water withdrawal and discharge, and seek continuous improvements in water management through the 3Rs. To ensure accountability in water stress areas, we regularly conduct water stress assessments and mitigate negative impacts to the environment and communities surrounding our operations.



2020 water has increased as IVL acquired cracker plants, which resulted in higher water withdrawal.

# 2020 Highlights

- 10% reduction in total water intensity compared with 2019 reporting scope
- 10% increase in volume of recycled / reused water over 2019

### **2013-2020 Progress**

**7%** reduction in total water intensity



### 2025 Target

**10%** reduction in water intensity\*

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# **Waste Management**









For More Information



Our ambition to reduce waste from our operations is in line with our pledge to achieve 90% waste diverted from landfill by 2025. We are ensuring that our approach to waste management complies with regulatory requirements, and exceeds them where possible. This means building a detailed inventory of waste and always applying new designs to advance waste reduction, recycling and recovery.



#### Waste Diverted from Landfill

### Platinum Certification

5 plants were certified with a more than 95% hazardous waste diversion rate.

8 plants were certified with a more than 95% non-hazardous waste diversion rate.



# **Gold Certification**

6 plants were certified with a 90-95% non-hazardous waste diversion rate.

#### lote. Intensities are calculated based on overall production including inter-company sale

# 2020 Highlights

- Total waste intensity = **0.0202** tons / ton of production
- 17% reduction in total hazardous waste intensity compared with 2019 reporting scope



2025 Target 90% Waste diverted from landfill

# **2013-2020 Progress**

Total waste diverted from landfill increased from 48% to 84%



# **Operational Excellence Awards**



For More Information



Underway since 2017, this award is based on stellar performance across 10 criteria based on: Financial Performance, Operational Performance, and Sustainability Performance (environment, health and safety). The best Business Units are identified by benchmarking their performance across these criteria and are awarded at the annual Global Management Conference (GMC).

















# EMPOWERING OUR PEOPLE AND COMMUNITIES



### **Our Ambitions for Improving Lives**



# Short-Term (2021–2024)

- EHS operationalized standards and strengthening EHS talent by 2024
- About 1,000 leadership positions involved in succession planning by 2023
- 3,500 leaders involved in leadership development curriculum by 2024



#### Medium-Term (2025)

- LTIFR < 0.5 cases per 200,000 man-hours
- Educating one million consumers around the world on recycling by 2030



#### Long-Term (2050)

- LTIFR < 0.1 cases per 200,000 man-hours
- Protecting our people and planet, enabling further prosperity
- Having a positive impact on society by delivering social, economic and environmental value



# **Giving Back to Our Communities**







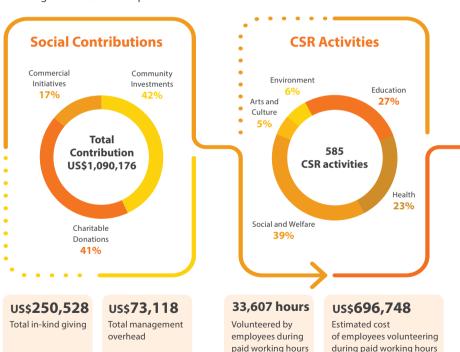








Our business is having a positive impact on the communities where we operate, and we will continue to achieve sustainable social, environmental and economic value. We are also addressing major challenges facing the global community by adhering to the Sustainable Development Goals (SDGs). Our group-wide strategy on corporate citizenship and philanthropic contributions focus on economic growth, innovation and maintaining a thriving social license to operate.



#### **Results and Outcomes**

#### Education

- A total of 27,906 people were educated on recycling and waste separation.
- Education materials downloaded 725 times.
- 9 public sector, organizations and government involved.
- 511donated shirts made from recycled PET.
- 4 initiatives on recycling education with top-ranked universities in Thailand.

#### Well-being

- Over 300 initiatives that support the well-being and health of local communities.
- 10 initiatives supporting vulnerable groups and groups with disabilities, improving quality of life.
- 13 initiatives supporting sports activities to promote both mental and physical health in children.
- 44 initiatives providing basic needs to local communities during the COVID-19 pandemic.

#### Environment

- 28 organizations/partners helped promote PET recycling for the environment.
- 9,434 kg. of PET bottles collected globally for recycling.
- Reduced 16.5 tCO<sub>2</sub>e from post-consumer bottle recycling.

 $<sup>{}^*\!</sup> The figure on social contribution and activities are excluded the initiatives from the COVID-19 fund and IVL Foundation.$ 





# **Recycling Education**







Bottles Collected

Globally









Last year, we released and distributed our 'Let's find out about types of plastics, recycling PET and waste separation' booklet. Our edutainment and waste separation video was prepared in Spanish, while our new animation on the PET recycling process provides a fun and easy to understand visual option. We achieved remarkable progress on recycling education in 2020 despite the pandemic.









6,109 kg.



### 2030 Target

Educating one million consumers around the world on recycling

2020 Recycling Education	27,906 People Received Trainings	<b>2,806</b> Students	153 Teachers	23,562 Public and Community People
60 Schools	Public Sector, Organizations and Government	34 Virtual Trainings	30 Classroom Trainings	<b>732</b> Teaching Hours
5 Public Events	24 Recycling Talks	279 Recycling Articles	725 Downloads of Recycling Education Materials	<b>96</b>
₩ 250	<b>**</b> 511	<b>6</b>	<b>≜</b> <sup>©</sup> 424,530	Bottles Returned to Recycling Factories

Recycling

**Factory Visits** 

**Recycling Bins** 

Donated

rPFT Shirts

Donated



# **Investing in Our People**



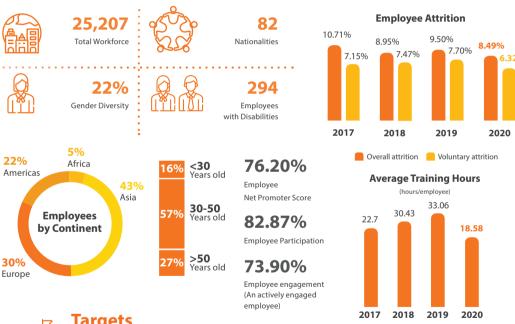








Our people are our most valuable asset and we invest heavily in our workforce. We are focused on creating a strong leadership team with the right capabilities and experiences to drive our ambitions and achievements. Through our career management strategies, learning and development opportunities and access to global resources, we develop our people and reward strong performance.





# 2020 Highlights

- 429,886 training hours
- us\$2,070,050
- 91.51% overall retention rate



# **Targets**

About 1,000 leadership positions involved in succession planning by 2023 3,500 leaders involved in the leadership development curriculum by 2024



# **Ensuring a Safe and Conducive Workplace**







For Inforn

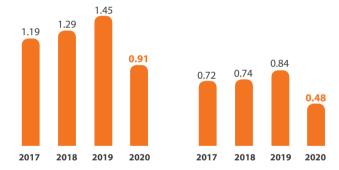


Safety and health at work are paramount for our workforce and our operations globally. We are proud to be a responsible operator maintaining our duty of care for the environment and our employees, and we routinely go beyond minimum legislative requirements. Our well-established Occupational Health and Safety (OHS) system ensures that everyone understands their responsibility in providing a safe work environment and maintaining safe and healthy habits on a daily basis within our business.

### Total Recordable Injury Rate: TRIR

(cases/ 200,000 man-hours)







### 2025 Target

LTIFR < 0.5 cases per 200,000 man-hours



# 2020 Highlights

- **72%** ISO 45001:2018 / OHSAS 18001:2007 certification
- TRIR improved from 2019
- LTIFR improved from 2019
- No fatalities
- A total of **44** (over 41%) of our sites attained the goal of **"Zero-Accidents"** in 2020.



# **Data Reporting, Verification and Report Assurance**

This report was prepared in adherence with the Global Reporting Initiative (GRI) standards core option and the International Integrated Reporting Council (IIRC)'s International Integrated Reporting <IR> Framework 2021.

100%

Reporting Certification and Assurance in accordance with the GRI Standards, <IR>
Framework and AA1000AS by an independent auditor.

100%

GHG Accounting, Verification and Assurance in accordance with ISO 14064-1 and ISO 14064-3 by an independent auditor.

### **Contacts and Feedback**



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Sustainability Report 2020

For More Information



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FOR A BETTER TOMORR



Annual Report 2020

For More Information





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