IND ORAMA

SHIFTING



GENERATION

SUSTAINABILITY EXECUTIVE SUMMARY REPORT 2022

KEY SUSTAINABILITY RECOGNITIONS AND AWARDS IN 2022





Member of

Dow Jones Sustainability Indices

Powered by the S&P Global CSA

Indocana Ventures Public Company Limited Committee Committee Sustainability Vearbook Member S&P Global ESG Score 2022

a of Fabruary 7, 2023.

totalion and Score are industry specific and reflect exclusion creaming criteria. Learn more at spglobal.com/esg/yearbook

A member of the S&P Global Sustainability Yearbook 2022
Listed in the DJSI-World and Emerging Markets Indices for the fourth
and sixth consecutive years respectively in the Chemicals sector.

IVL was ranked in the 96th percentile.



Achieved the 99th percentile in an assessment of basic chemical companies



Achieved an ESG Risk Rating in the 5th percentile among 227 commodity chemical companies (1st percentile = lowest risk)



#1 constituent in the FTSE4Good Index Series (ESG score 4.5 out of 5)



Achieved an A rating



Achieved a B rating in the CDP's Climate Change Assessment



Achieved a #1 rank among 54 global chemical companies



Winner
"Top Sustainability Advocates
in Asia"



Winner
"Best Sustainable Product"
with our Deia™ product



Highly Commended "Circular Transition"



Highly Commended SET Sustainability Awards for companies with market capital beyond THB 100 billion



2022 Low Carbon and Sustainable Business Awards

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REIMAGINING **CHEMISTRY TOGETHER TO CREATE A BETTER WORLD**



EXECUTIVES' MESSAGES

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Chief Sustainability Officer Message	



ABOUT IVL

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ENVIRONMENTAL PERFORMANCE

Decarbonization	
GHG Management	•
Energy Management	•
Waste Management	1
Water Management	2
Recycling	1
VIH, A Sustainability Accelerator	2



SOCIAL IMPACT

Giving Back to Communities	2
Recycling Education	2
Investing in Our People	2
Health and Safety	2
Innovation and Product Stewardship	2



ROBUST GOVERNANCE

Corporate Governance and Business Ethics	3
Customer Relationship Management	3
Sustainable Finance	3.
Performance Excellence Awards	3

DEPUTY GROUP CEO AND GROUP CHIEF FINANCIAL OFFICER MESSAGE





"THE FUTURE BELONGS TO THOSE WHO EMBRACE SUSTAINABILITY AND FOCUS ON ITS SUCCESS, ALONGSIDE SOLID BUSINESS PRACTICES AND A GROWTH MINDSET.

WITH OUR TRACK RECORD OF EXECUTING GROWTH SUSTAINABLY. INDORAMA VENTURES IS PROUD TO BE A LEADER IN THE CHEMICALS. INDUSTRY AS WE MOVE TO CREATE A BETTER WORLD THROUGH OUR COMMITMENT TO CIRCULARITY, INTEGRITY AND INNOVATION."

DILIP KUMAR AGARWAL

- Deputy Group CEO and Group Chief Financial Officer
- Member of the Sustainability and Risk Management Committee



CHIEF STRATEGY OFFICER MESSAGE





"THE AGGRESSIVE DECARBONIZATION OF OUR BUSINESS BY 2030 WILL BENEFIT OUR CLIMATE AND SET THE STAGE FOR A NEW GROWTH CHAPTER AT IVL."

China

UDEY PAUL SINGH GILL

- Chief Strategy Officer
- Member of the Sustainability and Risk Management Committee

CHAIRMAN OF THE ESG COUNCIL MESSAGE

FOR MOI INFORMAT

"IVL IS APPLYING AN INTEGRATED APPROACH
TO SUSTAINABILITY BY ADDRESSING ESG FACTORS
IN OUR DAY-TO-DAY OPERATIONS, FUTURE INVESTMENTS,
PRODUCT PORTFOLIO, AND SUPPLY CHAIN MANAGEMENT."

M

YASH LOHIA

- Chairman of the ESG Council
- Member of the Sustainability and Risk Management Committee



CHIEF SUSTAINABILITY OFFICER MESSAGE



"SUSTAINABILITY HAS CEMENTED ITS ROLE IN BOTH PROTECTING AND CREATING VALUE AT IVL. TOGETHER WITH CUSTOMERS, SUPPLIERS, PARTNERS AND OUR PEOPLE, WE ARE REALIZING THE FULL POTENTIAL OF THIS WINNING FORMULA."

ANTHONY M. WATANABE, PH.D.

Chief Sustainability Officer



ABOUT IVL



INFORMATION

AT A GLANCE

Revenue US\$ 18.7 B

Core EBITDA US\$ 2.3 B EBITDA Margin¹ 12%

ROCE1 14%

Americas

51

Sites

Countries

US\$ 1.40 B (62%)

EBITDA

EMEA

43

Sites

21

Countries

US\$ 0.23 B

(10%)

EBITDA

35

Countries

Asia

53

Sites

Countries

US\$ 0.64 B

(28%)**EBITDA**

Note: (1) 2022 Core financials

30,201

Total **Employees**

24.64%

Female

147* Sites Continents

20

Recycling facilities

27 R&D centers

* The Sustainability Report 2022 consists of data from 141 sites. Further details are provided in the full Sustainability Report 2022 (under "About this Report").

Our platform

- Integrated and diverse portfolio
- Inter-connected businesses through raw materials. customers and R&D
- Leading position in attractive and growing end markets



IVL'S TARGETS AND PERFORMANCE





INFORMATION

2022 Progress US\$ 369 million

SUSTAINABILITY CAPEX US\$ 2 billion by 2025 (Cumulative 2020-2025) US\$ 7 billion by 2030 (Cumulative 2020-2030)

RECYCLING COMMITMENT

- Post-consumer PET bale input per vear **0.75 million tons** by 2025 1.5 million tons by 2030
- Post-consumer bottles recycled per year **50 billio**n by 2025 **100 billion** by 2030

342,961 tons 15.4 billion bottles

2022 Progress 2.10% intensity increase

ENERGY*

Reduction in energy intensity 5% by 2025 **15%** by 2030



RECYCLING EDUCATION

Educating 1,000,000 consumers around the world about recycling by 2030

2022 Progress **253,372** consumers (2018-2022)

3.84% reduction

GHG*

Reduction in combined GHG (Scope 1&2) intensity 10% by 2025 **30%** by 2030



ĮNDORAMA Contributing to the

SUSTAINABLE DEVELOPMENT GOALS



OCCUPATIONAL HEALTH & SAFETY

LTIFR (cases per 200,000 man-hours) < **0.5** by 2025 < **0.1** by 2030

2022 Progress **LTIFR = 0.51**

3.32%

RENEWABLE ELECTRICITY CONSUMPTION

10% by 2025 **25%** by 2030



WASTE

90% waste diverted from landfill by 2025/2030

72%

1.70% reduction

WATER*

Reduction in water intensity 10% by 2025 20% by 2030

CIRCULAR FEEDSTOCKS

Bio-based feedstock: 16% against IVL external feedstock Recycled feedstock (Post-consumer PET bale input): 23% against IVL PET feedstock by 2030

1.24% against IVL external feedstock

5.25% against IVL PET feedstock

* Base year 2020

IVL'S KEY ESG HIGHLIGHTS 2022

(YoY COMPARISON)



ENVIRONMENT

-1.5%

-0.4%

-1.2%

+9.4%

-6%



Total energy consumption 122.2 million GI

+5.7%

Total energy intensity 7.29 GJ / ton of production

+4.1%

-44.2%

Total renewable energy consumption

1.33 million GJ

Total renewable electricity consumption

3.32%



GHG emissions

GHG emissions (Scope 1) intensity

0.4296 tCO_e / ton of production

GHG emissions (Scope 2) intensity*

0.1556 tCO e / ton of production

GHG emissions (Scope 1&2) intensity* 0.5852 tCO e / ton of production

* Location-based





Total water withdrawal intensity

-2.8% 5.19 m³ / ton of production

Total recycled / reused water 7.2%





Hazardous waste intensity

0.0093 tons / ton of production

Waste diverted from landfill** 72%

** including waste incinerated with energy recovery





+8%



Recycling of post-consumer PET bale input 342,961 tons

1,934,253 tons

(From 2011 - Dec 2022)



Equivalent to

15.4 billion PET bottles

+8%

87 billion PET bottles (From 2011 - Dec 2022)







Bio-based feedstock: 1.24%



Recycled feedstock (Post-consumer PET bale input): against IVL PET feedstock



SOCIAL

HUMAN RESOURCES

Total Employees

+17% 30,201

Female

24.64% +3%

Employee Net Promoter Score

-0.35% 75.85% (NPS)

Average Training

+3% 30.66 hours

Overall Employee Attrition

13.71%

+2.29%

+2.4 times

+2.4 times

24%

Total CSR contribution +41% US\$ 2.34 million

CORPORATE SOCIAL

RESPONSIBILITY

Total in-kind giving us\$ 472,446

22,864 Volunteer hours

Recycling education 199,787

+72 times people trained

HEALTH AND SAFETY

-16%

-23%

Total Recordable Injury Rate: TRIR

0.82 cases per 200,000 man-hours

Lost Time Injury Frequency Rate: LTIFR

0.51 cases per 200,000 man-hours

9% Knowledge Environment 590 **CSR** activities 67%

Community Care

FCONOMIC & GOVERNANCE



CORPORATE **GOVERNANCE POLICY AWARENESS CAMPAIGN** (CGPAC) **IMPLEMENTATION**

86%

Employee attendance

HUMAN RIGHTS DECLARATION

100%

Signed by business Heads and site Heads

CUSTOMER SATISFACTION STUDY*

Rate (CRR)

84.82% Customer Satisfaction Index 78% **Customer Retention** 48 **Net Promoter** Score (NPS)

* A formal customer satisfaction study is conducted every other year as part of our group sustainability strategy. This study was conducted in 2022.



Total Sales Volume

14.65 million tons



Total Revenues

uss 18,715 billion



Core EBITDA

US\$ **2,278** million

+31%

Core Net Profit after Tax and NCI

US\$ 986 million

+44%

Operating Cash Flow US\$ **2,224** million

+111%

Core Earnings per Share THR 6.02

+THB 2.26

TRIS Rating



SUSTAINABILITY REPORT **EXECUTIVE SUMMARY 2022**



INTEGRATED OXIDES AND DERIVATIVES (IOD) KEY ESG HIGHLIGHTS 2022



ENVIRONMENT

GHG EMISSIONS

0.8128 tCO₂e / ton of production Scope 1 intensity

0.1281 tCO₂e / ton of production Scope 2 intensity*

0.9408 tCO.e / ton of production Scope 1 and 2 intensity*

* Location-based

FNFRGY

14.14 GJ / ton of production Intensity

3.08%

Renewable electricity

WATER

8.20 m³ / ton of production Intensity

WASTE

78.6%

Waste diverted from landfill**

** including waste incinerated with energy recovery

HEALTH AND SAFETY

TOTAL RECORDABLE INJURY RATE: TRIR 0.262

cases per 200,000 man-hours

LOST TIME INJURY FREQUENCY RATE: LTIFR 0.109







US\$ 0.7 B

17%

#1

EBITDA margin

(\$) 11%

Market Leadership



Non-ionic surfactants

producer in

the Americas

#1

EO producer in the Americas

Ethoxylation care ingredients company provider in the alobally Americas

Note: (1) Core Financials

INNOVATION

VITALITY INDEX*

22.1% 2022 Actual

22% 2022 Target

US\$ 28.0 million

R&D Spending

R&D Centers

* Revenue generated from the sales of products developed during the last five years.

CUSTOMER SATISFACTION*

84.11%

Customer Satisfaction Index (CSI)

84%

Customer Retention Rate (CRR)

46

Net Promoter Score (NPS)

* A formal customer satisfaction study was conducted every other year as part of our group sustainability strategy.





COMBINED PET (CPET) KEY ESG HIGHLIGHTS 2022



(\$)

24%

ROCE

ENVIRONMENT

GHG EMISSIONS

0.2789 tCO₂e / ton of production Scope 1 intensity

0.1041 tCO₂e / ton of production Scope 2 intensity*

0.3829 tCO₂e / ton of production Scope 1 and 2 intensity*

* Location-based

ENERGY

4.23 GJ / ton of production Intensity

2.79%

Renewable electricity

WATER

3.55 m³ / ton of production Intensity

WASTE

49.8%

Waste diverted from landfill**

** including waste incinerated with energy recovery

Remark: Combined PET includes PET, packaging, and recycling

HEALTH AND SAFETY

TOTAL RECORDABLE INJURY RATE: TRIR 0.747

cases per 200,000 man-hours

LOST TIME INJURY FREQUENCY RATE: LTIFR

0.347

cases per 200,000 man-hours



2022 Performance⁽¹⁾

PIA producer in western markets

(\$)

EBITDA margin

rPET producer globally

#1

The only integrated player in Europe
A fully integrated player in North America
Packaging leadership in emerging markets

Note: (1) Core Financials

PET producer

globally

INNOVATION

VITALITY INDEX*

27% 2022 Actual

31% 2022 Target

US\$ 4.4 million

R&D Spending

3

R&D Centers

* Revenue generated from the sales of products developed during the last five years.

CUSTOMER SATISFACTION*

85.30%

Customer Satisfaction Index (CSI)

78%

Customer Retention Rate (CRR)

52

Net Promoter Score (NPS)

* A formal customer satisfaction study was conducted every other year as part of our group sustainability strategy.

FIBERS KEY ESG HIGHLIGHTS 2022



ENVIRONMENT

GHG EMISSIONS

0.4972 tCO₂e / ton of production Scope 1 intensity

 $\textbf{0.5368} \ \text{tCO}_2\text{e} \ / \ \text{ton of production}$ Scope 2 intensity*

1.0339 tCO₂e / ton of production Scope 1 and 2 intensity*

* Location-based

ENERGY

 $\textbf{10.78} \; \mathsf{GJ/ton} \; \mathsf{of} \; \mathsf{production} \\ \mathsf{Intensity}$

4.42%

Renewable electricity

WATER

8.54 m³/ ton of production Intensity

WASTE

93.3%

Waste diverted from landfill**

** including waste incinerated with energy recovery

HEALTH AND SAFETY

TOTAL RECORDABLE INJURY RATE: TRIR

1.135

cases per 200,000 man-hours

LOST TIME INJURY FREQUENCY RATE: LTIFR

0.798

cases per 200,000 man-hours





INNOVATION

VITALITY INDEX*

22% 2022 Actual

23% 2022 Target

US\$ 9.9 million

R&D Spending

16

R&D Centers

* Revenue generated from the sales of products developed during the last five years.

CUSTOMER SATISFACTION*

84.15%

Customer Satisfaction Index (CSI)

75%

Customer Retention Rate (CRR)

42

Net Promoter Score (NPS)

* A formal customer satisfaction study was conducted every other year as part of our group sustainability strategy.













The Dow Jones Sustainability Indices (DJSI) are global benchmarks, looking at sustainability-driven companies. Companies are only listed if they are best-in-class within their industry for sustainab





DECARBONIZATION





INFORMATION



Key decarbonization pathways to achieve net-zero targets by 2025 and 2030





Decarbonization Strategy Towards Net Zero

Decarbonization Playbook

The purpose of this playbook is to give guidance on working process, different decarbonization technologies, and how to implement projects and initiatives addressing GHG emissions and decarbonization.



On 31 May 2022 IVL has committed to set Science-based Targets.



We have more than 900 Green projects that support the pathway of our GHG emissions and energy reduction targets for 2025 and 2030.



Since 2020, we have been a signatory to the TCFD and have adopted its framework to continuously monitor and adapt our actions as well as to report our climaterelated financial disclosures.



Achieved a B Rating in CDP's Climate Change Assessment, which is higher than the Asia regional average of C, and higher than the Chemicals sector average of B-.

GHG MANAGEMENT











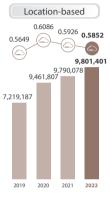
Scope 1
Direct GHG Emissions

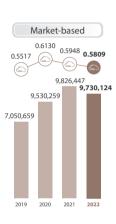
0.4486 0.3682 7,207,125 7,195,277 6,974,574 4,705,964

Scope 2 Indirect GHG Emissions



Scope 1 & 2
Total GHG Emissions





Scope 3

Category 1: Purchased Goods and Services

Category 2: Capital Goods

■ GHG emissions (tCO₂e)

Category 3: Fuel Energy-related Activities

Category 4: Upstream Transportation and Distribution

Category 5: Waste Generated in Operations

Category 6: Business Travel

Category 7: Employee Commuting

Category 9: Downstream Transportation and Distribution



GHG (Scope 1 & 2) Intensity Reduction (2020 baseline)

Targets

10% by 2025 and **30%** by 2030

Performance

In 2022, IVL recorded an intensity of **0.5852** tCO₂e/ton, a **3.84%** reduction against the 2025 target



2022 HIGHLIGHTS



US\$ 11.3 million of implemented CAPEX for 55 GH

of implemented CAPEX for 55 GHG or energy reduction projects



74,906 tons of GHG reduction from renewable energy consumption based on location-based factors and

59,637 tCO₂e of GHG reduction from biomass use.



100%

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

ENERGY MANAGEMENT



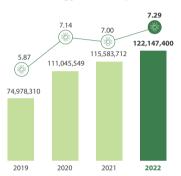






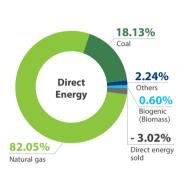


Total Energy Consumption



- Total consumption (GJ)
- Intensity (GJ / ton of production)

Overall 2022 Energy Breakdown





Indirect energy

2022 HIGHLIGHTS

15 Onsite/Offsite Solar

209,242 MWh

purchased renewable electricity with certificates through PPAs in USA and Europe

58% of our sites received ISO 50001:2011 / ISO 50001:2018 (including Oxiteno acquired in 2022)



Targets

5% by 2025 and **15%** by 2030

Performance

of **7.29** GJ/ton, which was

a marginal increase of **2.10%**



Renewable Electricity Consumption

Targets

10% by 2025 and **25%** by 2030

Performance

In 2022, IVL consumed **3.32%** of



WASTE MANAGEMENT



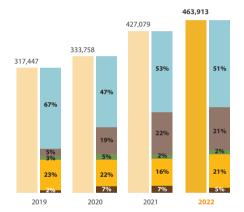






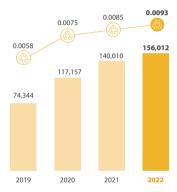


Generated, recycled & reused, incinerated (with and without energy recovery), landfilled, and others



- Total generated waste (tons)
- Recycled & reused (% of total generated waste)
- Incinerated with energy recovery (% of total generated waste)
- Incinerated without energy recovery (% of total generated waste)
- Landfilled (% of total generated waste)
- Others (% of total generated waste)

Total Hazardous Waste



- Total hazardous waste (tons)
- Intensity (tons / ton of production)





2022 HIGHLIGHTS

Total waste intensity

0.0277 tons / ton of production

51% of total waste was recycled and reused

21% of total waste went to incineration with energy recovery



Waste Diverted from Landfill*

Target

90% waste diverted from landfill by 2025

Performance

In 2022, **72%** of our waste was diverted from landfill against our 2025 target

* including waste incinerated with energy recovery

WATER MANAGEMENT









Total Water Withdrawal



- Total water withdrawal (m3)
- Intensity (m³ / ton of production)



Water Intensity Reduction (2020 baseline)

Target

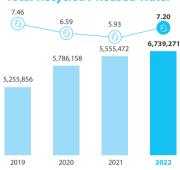
10% by 2025 and 20% by 2030

Performance

5.19 m³/ton of production,

a 1.70% reduction against 2025 target.

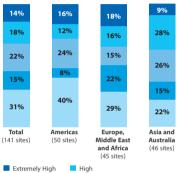
Total Recycled / Reused Water



- Total volume of recycled / reused water (m³)
- Recycled / Reused water (%)

2022 Water Stress Assessment

(% of IVL's operations identified in water stress areas using the AQUEDUCT Water Risk Tool)











INFORMATION



2022 HIGHLIGHTS



5 projects with actual water savings and implemented CAPEX



US\$ 1.68 million implemented CAPEX in water consumption reduction projects



178,200 m³ water consumption reduction



5 sites have achieved Zero Liquid Discharge

RECYCLING











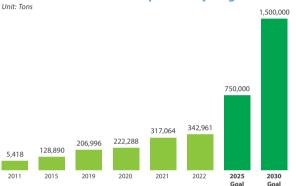








Post-consumer PET bale input to recycling



CELEBRATE WITH US

As of March 24, 2023, we successfully recycled 90 billion bottles (since 2011) - and counting.



Our real-time bottle recycling counter is available on our website.





Circular Feedstock

Target

Recycled feedstock (Post-consumer PET bale input): 23% against IVL PET feedstock by 2030

Performance

In 2022, IVL recorded **5.25%** against IVL PET feedstock.



2022 HIGHLIGHTS

- Acquisition of the Czech Republic-based PET plastic recycler, UCY Polymer
- Co-investment in bio-recycled PET manufacturing plant, Carbios
- Successfully commissioned our first bottle-to-bottle recycling facility in the Philippines, "PETValue," with Coca-Cola.







INFORMATION



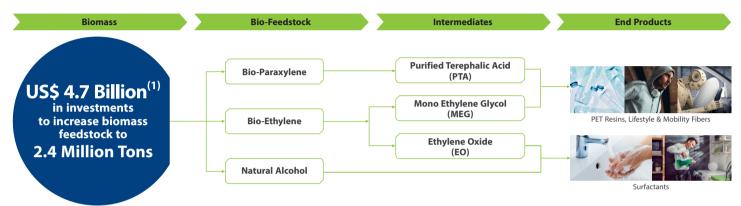
IVIH, A SUSTAINABILITY ACCELERATOR





INFORMATION

DECARBONIZING OUR PRODUCTS THROUGH BIOMASS



Note: (1) Including investments in a natural alcohol plant which is part of the Oxiteno acquisition

IDENTIFYING AND ADVANCING SUSTAINABILITY-LINKED TECHNOLOGIES AND INNOVATION THROUGH IVIH

Acting as a sustainable business incubator across:

In 2022, Indorama Ventures Investments & Holding (IVIH) was established with a mandate to achieve our Vision 2030 ambitions on advanced recycling and renewable feedstock and to achieve decarbonization and a circular economy.



Circular feedstock projects



With 30 additional projects identified and being evaluated.











GIVING BACK TO COMMUNITIES













INFORMATION

CSR PERFORMANCE 2022

SOCIAL CONTRIBUTIONS 71% 13% Community Investments Commercial Initiatives **Total** US\$ 2,337,072 16% Charitable Donations





Time Volunteered by Employees: 22,864 hours

Estimated Employee Cost of Volunteering: US\$ 560,385

RESULTS AND OUTCOMES



KNOWLEDGE

Recycling Awareness

- 199,787 people educated
- 167 schools, universities, and organizations
- Expanded to more than 10 initiatives in 8 countries: The Czech Republic, Poland, the Netherlands, Brazil, Mexico, the United States, Ghana and Thailand

STEM Education & Social Innovation

- 5 initiatives to support STEM education and innovation programs
- 12 scholarships on STEM education
- 10 sponsorship programs



COMMUNITY CARE

- Over 290 health and well-being initiatives for local communities
- 24 initiatives to support vulnerable groups (disabilities, the elderly, and orphans)
- 29 sports initiatives for students
- 40 initiatives to provide basic needs to underprivileged communities



ENVIRONMENT

- 20 biodiversity programs and responsible waste management initiatives
- 13 initiatives to enhance nature conservation
- · 24 partnerships to support environmental advancements and recycling
- 25.2 tons of post-consumer PET bottles collected
- 25 tCO₃e reduced by PET recycling

RECYCLING EDUCATION









2022 HIGHLIGHT

IVL is pleased to be working with the Bangkok Metropolitan Administration (BMA), Thailand to organize training sessions on sustainable plastic waste management. We have engaged with 73 schools since Nov 2022 and expect to reach over 100 schools covering more than 10,000 teachers and students by Jun 2023. IVL also provides educational materials to 400 BMA schools to help them pass on waste management and PET recycling knowledge to their students and educational personnel.







199,787People Received Trainings



184,482



7,179



Public and Community People



2022 Recycling Education



150

Schools and Universities

Organizations



Virtual Training Sessions

Classroom Training Sessions



346

Teaching Hours



Public Events

NEW EDUCATION MATERIALS IN 2022





Educating 1,000,000



253,372



686

Downloads of Recycling **Education Materials**



3,337 Downloads of Recycling

Education VDOs



128

Recycling Acticles



1,135,643 Bottles Collected



Bottles Returned to **Recycling Factories**

INVESTING IN OUR PEOPLE













24.64%

Female (of permanent employees)

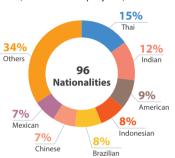


369 **Employees**

with Disabilities

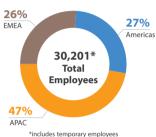
NATIONALITIES

(% of total employees)



EMPLOYEES BY CONTINENT

(% of total employees)



3,500 leaders involved in the leadership



791 leadership positions

3,381 leaders were trained through leadership



'Thailand Best Employer Brand Awards 2023' is a recognition of Indorama Ventures' achievements which include the Thailand Top Talent program and Succession Planning Implementation.



Indorama Ventures Poland (IVP) was certified as a great place to work® for the June 2022-2023 period due to its unique workplace culture.

This award has allowed IVP to attract more job applicants, strengthen its employer brand, retain top talent, and more.

EMPLOYEE ATTRITION RATE





2022 HIGHLIGHTS

17.24% increase in our employees

73.31% employee engagement (actively engaged employees)

13.71% overall turnover rate

42.35% of our employees are covered by collective bargaining agreements

789,313 total training hours

30.66 average training hours

HEALTH AND SAFETY







IVL'S EHS SYSTEM IMPROVEMENT WHEEL



Total Recordable Injury Rate: TRIR



FIVE CORE ACCOUNTABILITIES



GOVERNANCE



STANDARDIZATION



CAPABILITY BUILDING



ASSURANCE



CULTURE

Target LTIFR (cases per 200,000 man-hours) < 0.5 by 2025



Performance

0.51 cases per 200.000 man-hours



FOR MORE

2022 HIGHLIGHTS

31 new standards released by corporate EHS providing guidance on various topics to IVL sites worldwide.

Digital advancements:

EHS Software Solutions

68% of sites

received ISO 45001:2018 certification (including Oxiteno)

120 of IVL's top leaders participated in safety leadership training

54% of our sites achieved zero recordable injuries

Lost Time Injury Frequency Rate: LTIFR

(cases per 200,000 man-hours)



Process Safety Event Rate

(events per 200,000 man-hours)



INNOVATION AND PRODUCT STEWARDSHIP















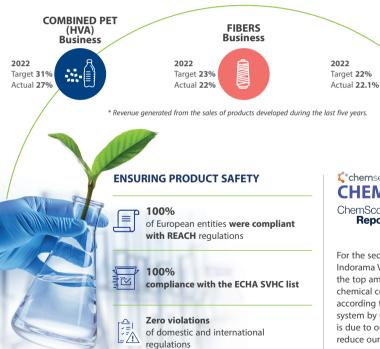






INFORMATION

VITALITY INDEX*





IOD

Business

For the second year in a row, Indorama Ventures was ranked at the top among the 54 largest chemical companies in the world according to ChemScore, a ranking system by ChemSec. This recognition is due to our continued efforts to reduce our chemical footprint.



2022 HIGHLIGHTS



US\$ 42.4 million in R&D spending



355 R&D employees



27 R&D centers



264 collaborative projects



More than 472

new products introduced in 2022



Indorama Ventures' Deja[™] brand recognized as the 'Best Sustainable Product' at the Chemical Week Sustainability Awards 2022.

Sustainable innovation is the key to our success of PET circularity while meeting our decarbonization targets. Deja™ supports the UN Sustainable Development Goals (SDGs) of promoting a sustainable. greener, and circular economy.



CORPORATE GOVERNANCE AND BUSINESS ETHICS





INFORMATION

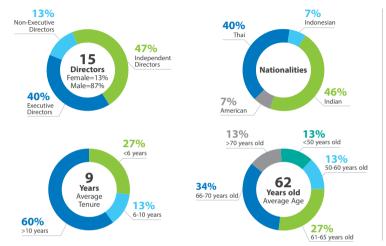












Corporate Governance Policy Awareness Campaign (CGPAC) **Implementation Report** 2022

86% of employees attended the Corporate Governance Manual Training in the past 3 years.

76% of IVI sites achieved full training coverage in 2022.



2022 HIGHLIGHTS

No material cases or incidents of corruption or bribery

No legal cases involving corruption or anti-competitive practices concerning IVL or our employees

No material litigation against IVL or our subsidiaries that negatively impacted our business

No case of material non-compliance



IVI received an "Excellent - 5 Star" CG score by the Thai Institute of Directors (IOD) for the 10th consecutive year.



A score of 100% for the 2022 Annual General Meeting of shareholders, judged by the Thai Investors Association This was our the 11th consecutive vear with a full score.

100% Independent Directors on the NCCG and Audit Committee

Directors on the Nomination, Compensation and Corporate Governance (NCCG) and Audit committees are fully independent.

51 Reports Received through Whistleblower Reporting Channels

	p g	
Environment, Health and Safety	1 report	2%
Conflict of Interest	5 reports	10%
Corruption	1 report	2%
Human Rights-Harassment/Hostile Behavior	8 reports	15%
Human Rights-Discrimination	4 reports	8%
Human Rights-Unfair Disciplinary Action	3 reports	6%
Human Rights-Unfair Termination	5 reports	10%
Miscellaneous	4 reports	8%
Not qualified as a whistleblower case	20 reports	39%
		

CUSTOMER RELATIONSHIP MANAGEMENT

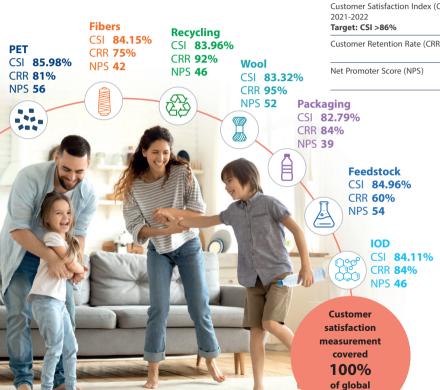












Performance Metrics	Purpose	Overall Score
Customer Satisfaction Index (CSI) 2021-2022 Target: CSI >86 %	Measures customer satisfaction pertaining to our products, services etc.	84.82%
Customer Retention Rate (CRR)	Measures the number of customers we continued to do business with throughout the year.	78%
Net Promoter Score (NPS)	Measures customer loyalty and the likelihood of recommending our products and services to others.	48

2022 HIGHLIGHTS

Avgol wins Procter & Gamble's prestigious **Supplier Excellence Award**

Procter & Gamble's global Baby Care program unanimously recognized Avgol Industries, a subsidiary of Indorama Ventures, as the most noteworthy and valuable supplier of the previous fiscal year. This acknowledgment was awarded to Avgol due to its exceptional strength in collaborative efforts and consistent improvement initiatives across all regions of the program.

operations

SUSTAINABLE FINANCE

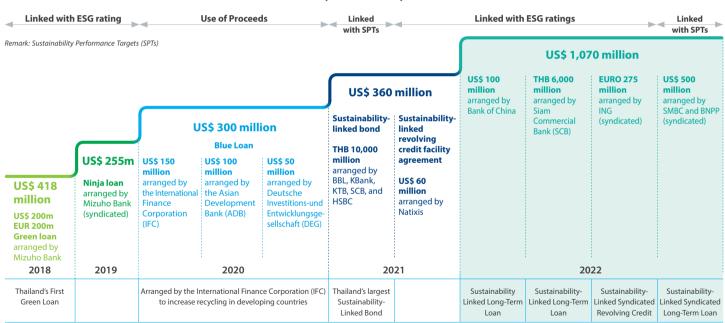
The sustainable financing supports our company's expansion in line with our strategy for Vision 2030, which takes Environmental, Social, and Governance (ESG) factors into account.





TOTAL US\$ 2.4 billion

(2018-2022)















PERFORMANCE EXCELLENCE AWARDS



Underway since 2017, this award is based on stellar performance across 10 criteria covering: 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 Group Management Conference (GMC).



Fibers Winner



Indorama Ventures Polymers Mexico S. de R.L. de C.V. Technical Fibers plant, Mexico

IOD (North America) Winner



Indorama Ventures Oxides LLC Indorama Ventures Propylene Oxides LLC Port Neches, USA

IOD (South America) Winner



Oxiteno S.A. Indústria e Comércio, Maua, Brazil

PET Winner



Guangdong IVL PET Polymer Company Limited, China

Packaging Winner



Petform (Thailand) Limited, Pathumthani, Thailand

Recycling Winner



Indorama Ventures Recycling Poland Sp. Z o.o., Bielsko Biala and Leczyca, Poland

Aromatics Winner



Indorama Petrochem Limited, Rayong, Thailand

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 Framework 2021.

100% Reporting Certification and Assurance in accordance with the GRI Standards, 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



sustainability@indorama.net



Sustainability Report 2022



Annual Report 2022 (Form 56-1 One Report)



Indorama Ventures - ESG Profile



For More Information



For More Information



For More Information



AND COUNTING

With a total reduced GHG emission of

2.8 million tons





Please visit our website for The real-time bottle recycling counter

SUSTAINABILITY REPORT EXECUTIVE SUMMARY 2022



For More Information

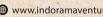
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