

Building Environmental Awareness

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Corporate Communication, Sustainability and Human Resources



We are committed to RECYCLING for a better society.

IVL Vision, Mission and Values

Vision

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

Mission

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

Values



The **customer** is why we exist.



Our **people** make the difference.



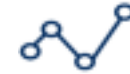
We see **change** as an opportunity.



Diversity is our strength.



We are **responsible**.



\$11.7B
Revenue



19,581
People



5
Continents



31
Countries



101
Sites



**Integrated
PET**



Fibers



**Integrated
Oxides &
Derivatives**

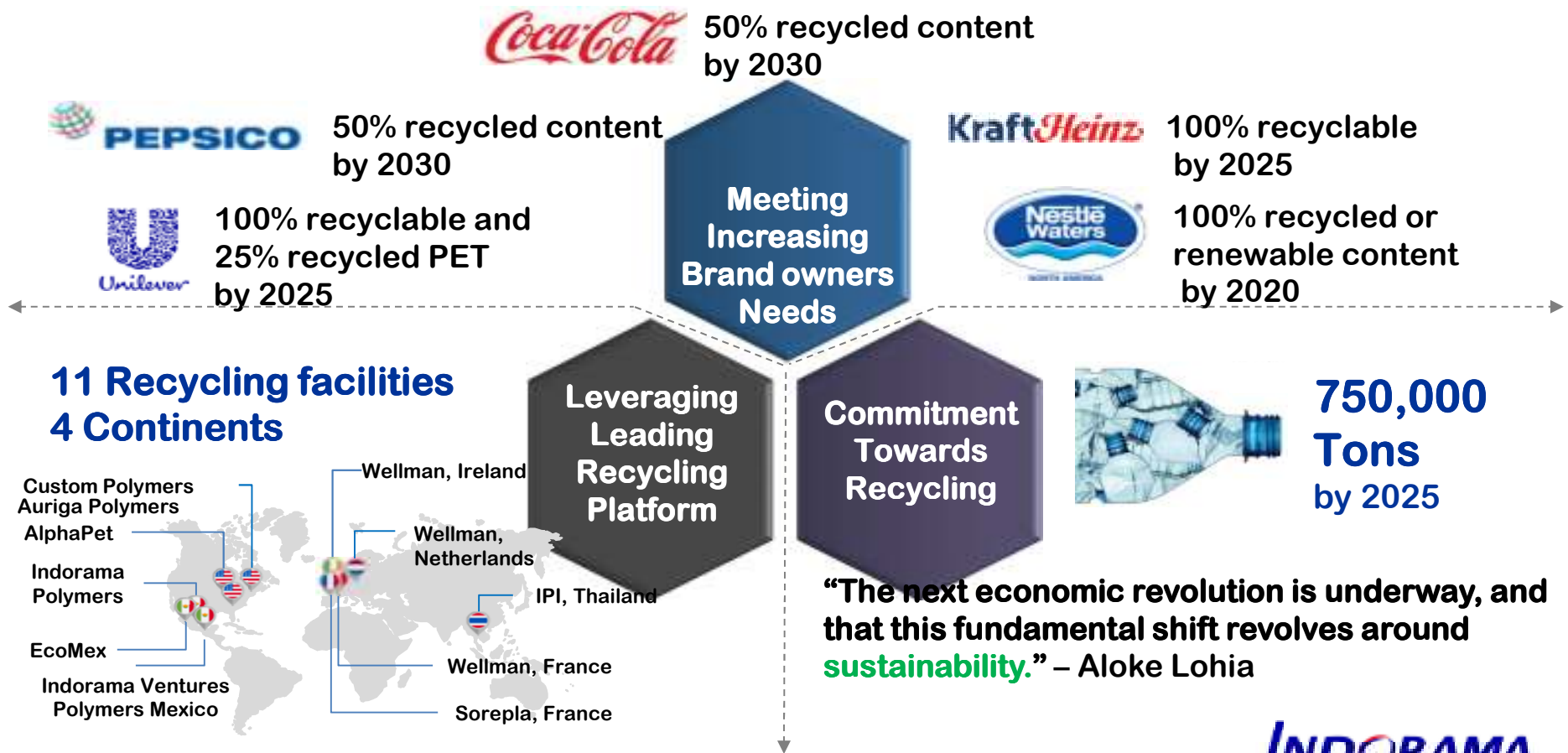


**Specialty
Chemicals**

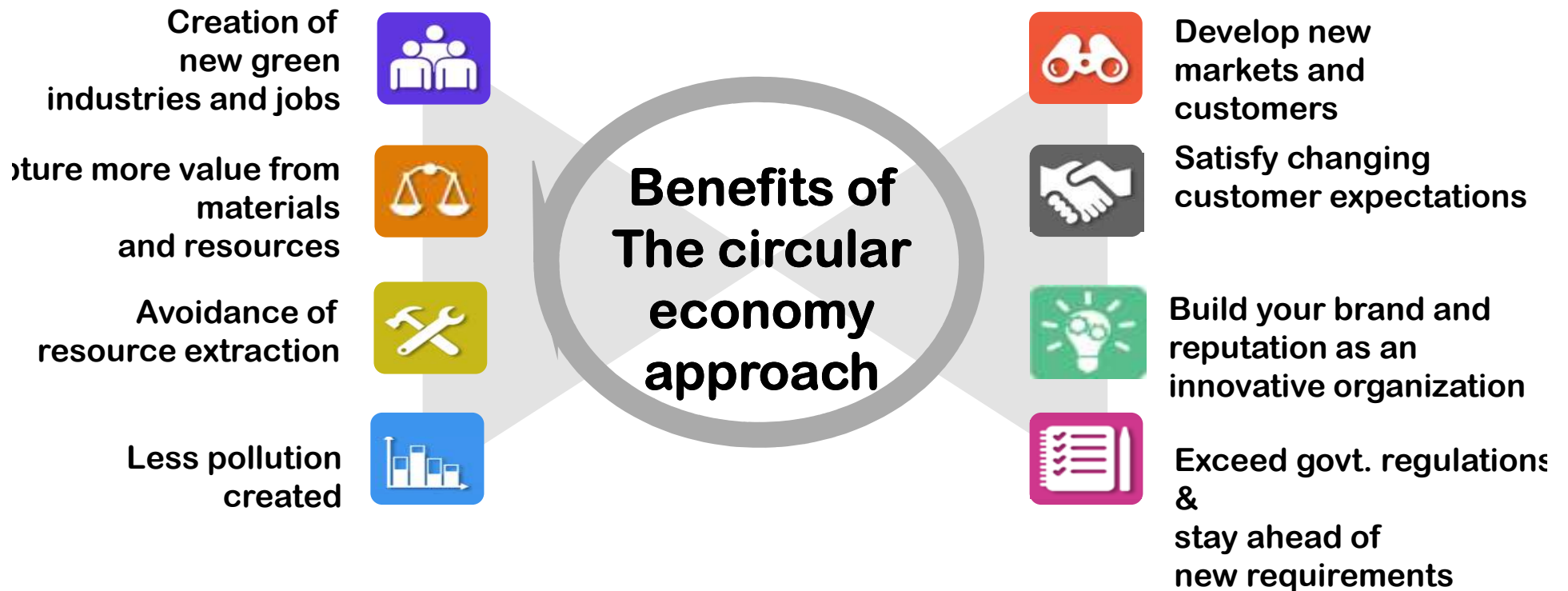


Packaging

Aspiration - Leader Sustainable & Recyclable PET



Benefits of adopting Circular Economy

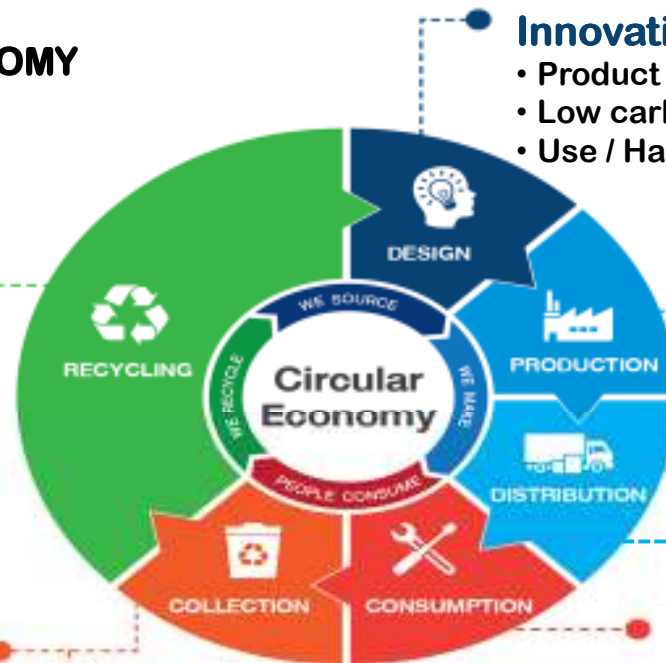


IVL's Sustainable Business Model through Circular Economy

IVL Recycling Strategies to strengthen the CIRCULAR ECONOMY

Recycling

- New recycling technologies to tackle plastics waste
- Recycling commitment



Innovation & Product Stewardship

- Product Design : Light weighting / High performance
- Low carbon products
- Use / Handling / Disposal

Alternative Raw Materials

- Recycled feedstock
- Renewable raw materials

Operation Eco-Efficiency

- Carbon footprint
- Energy / Water / Waste
- Renewable resources
- Life cycle assessment & management

GHG Scope 3 accounting

Collaboration with

- Customers
- Suppliers / Partners
- Government bodies

Recycling Awareness

- Plastic waste separation
- Plastic recycling
- Educating students

Advocate for Change in Laws and Regulations

- Tackling plastic waste concerns by promoting demand for recycled plastics
- Increasing local demand for recycled PET

RECYCLING

RECYCLING
FOR GOOD

www.dejamade.com

Because good ideas
don't go to waste



FLAKE

is melted and spun
into recycled fibers
and yarns



DEJA™ is the new global, sustainable, performance brand for 100% rPET from Indorama Ventures Plc. An ingredient brand **DEJA™** is available across 100% IVL rPET recycled flake, pellet, fiber and filament.

PLASTIC BOTTLES

are collected



Plastic is

WASHED AND CHIPPED

into rPET flake



Flake is also melted
and formed into
packaging, bottles and
other

APPLICATIONS



Fibers & Yarn are
produced for

INNOVATIVE

hygiene, apparel,
automotive and
technical products




ENVIRONMENTAL SAVINGS


GHG Emissions (Scope 1 & 2)	
5.6% Intensity Reduction over 2017	

(Intensity : tCO₂e / Ton of production)

RENEWABLE ENERGY	
5% of Total Energy in 2018	

6.9% Increased use of Renewable Energy over 2017

WATER	
8.8% Water recycled & reused in 2018	

WASTE	
57% reused, recycled & recovered in 2018	

17% Intensity reduction of hazardous waste over 2017
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(Intensity : Tons / Ton of production)

Awareness program

Objective: To create awareness of how important it is to recycle PET.

The children learn how recycled PET can help save the environment, with the starting point being to separate waste correctly. This greatly helps to use resources more efficiently by turning waste into cash, create jobs and follow the national policy regarding tackling waste effectively.

Project start 2017: 10 schools joined the program in Bangkok, Chonburi, Nakhon Pathom, Rayong. More than 3,323 students were educated.

Target group: 9-12 years (Junior high school and Senior High school), Government sector and private companies.



Course outline

Waste separation



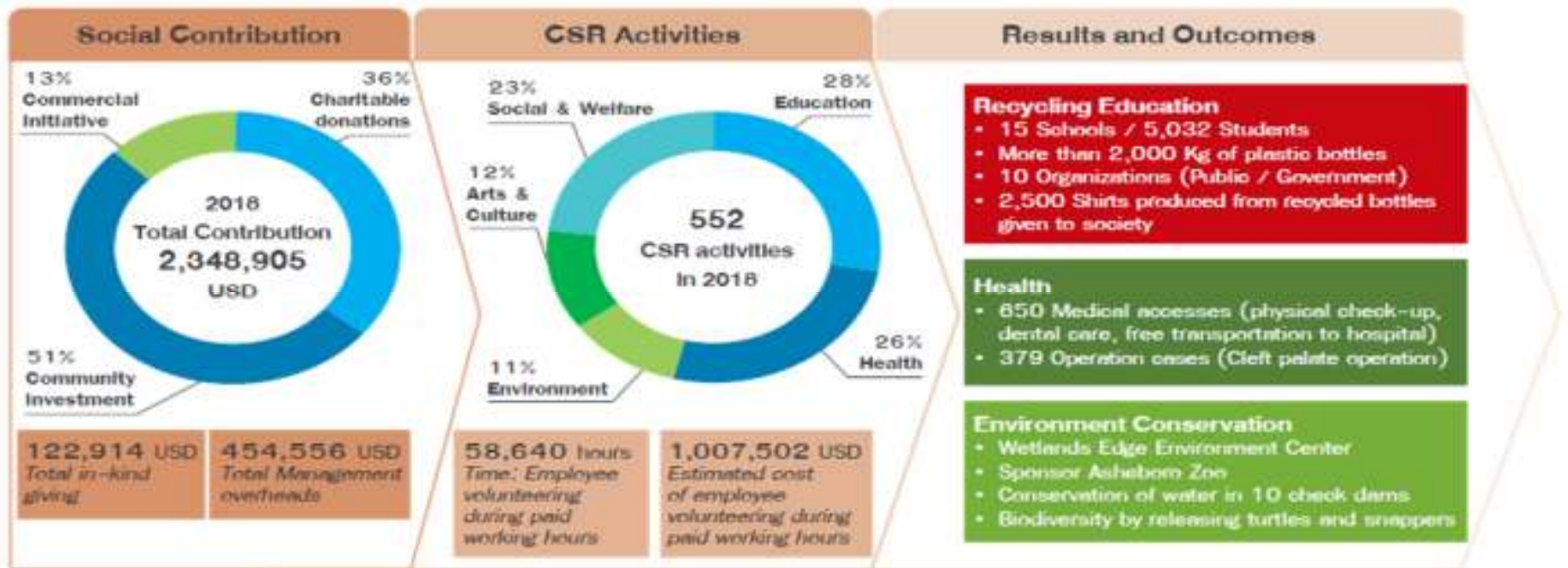
- Waste situation in Thailand
- Origin of waste, type of waste.
- Ways to manage waste.
- Stress 3Rs.
- Benefits of waste separation.



What do you know about plastic?

- Where does the plastic come from.
- Plastic in daily life
- Why plastic is popular.
- Types of plastic.
- PET recycling process.
- Products made from recycled PET
- Principles for reducing plastic waste

How Awareness Works



Recycling Initiatives - Sustainable Consumption for Better Future

Recycling Education



5,032

Students/teachers taught about plastic and recycling globally

540 adults



COLLECTION

Recycling Initiatives - *Sustainable Consumption for Better Future*



Awareness program



CONSUMPTION & COLLECTION

Advocating for Laws and Regulations - rPET packaging



Partnerships with IVL and Institute of Nutrition to study plastic consumption behavior with aim of encouraging safe use of recycled PET (rPET) bottles in packaging.



Collaboration with Customers / Suppliers / Government Bodies





INDORAMA
VENTURES

Thank you

*We committed
to **RECYCLING**
for a better society.*

Food and Beverage Packaging – PET Material of Choice

Major Packaging



Glass Bottles

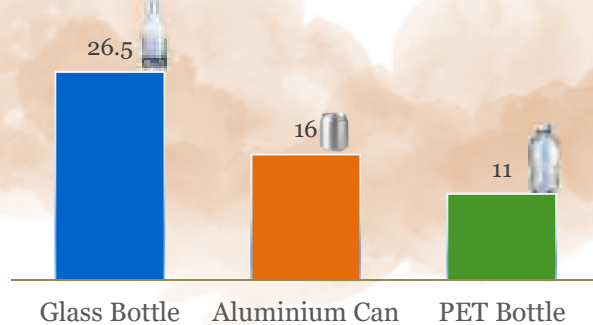


Aluminium Can

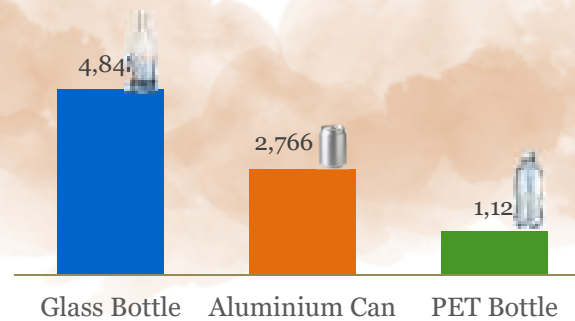


PET Bottle

Green House Gas (GHG) generated
(Klbs CO2E/ 100,000 Ounces of Soft Drink)



Energy Requirement
(MMBtu/ 100,000 Ounces of Soft Drink)



Source: <https://www.beveragedaily.com/.../PET-outperforms-glass-and-aluminium-in-LCA-study...>

RECYCLING

Collaborations for Fully Circular Economy

