

# THE BEACON

VOLUME #28 | AUGUST 2021



**Better choices for a better future.**

High performance with a lower carbon footprint



# EMPOWERING CONFIDENCE

The world's tire manufacturers rely on our **polyester, hybrid aramid/nylon and rayon cords** to bring excellent handling characteristics to high-performance tires.

## EDITOR'S NOTE

Dear Readers,

It has never been more important for companies, governments, and people to join forces against climate change. This issue is a special one for The Beacon. It's all about sustainability. IVL's commitment to solutions that help pave the way for a sustainable PET industry is inseparable from its core mission.

In the following pages you will learn the ins and outs of Deja™ (pg. 10-13), IVL's performance-led suite of sustainable products to help its customers achieve their own sustainability targets. Indorama Ventures itself has high ambitions to move towards carbon neutrality, reduce its water intake, and increase its recycling capacity over the coming decade. On pages 16-17, we outline the US\$1.5 billion investment the company is making towards these objectives, and you will be able to meet the dedicated sustainability team driving that mission.

This issue is packed with many more inspiring stories about what you and your fellow colleagues are doing to make a positive impact on the planet. We hope you enjoy it.

As always, please email comments and suggestions, or let us know what is happening in your location at [communications@indorama.net](mailto:communications@indorama.net)

Keep up with everything IVL has to offer on [www.indoramaventures.com](http://www.indoramaventures.com) or follow us on social media

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# DOUBLING DOWN ON RECYCLING

**Recycling Today Media Group (RTMG) interviews Yash Lohia, Indorama Ventures' Chief Sustainability Officer on PET and its recyclability as a key component of IVL's business growth.**

**What role will recycling play in IVL's overall operations going forward?**

We have a company-wide focus, we set major strategic priorities and one of that includes doubling down on recycling. We are determined to be a leader in PET recycling and set a new bar for sustainability in the industry. IVL is building the infrastructure the world needs to close the loop and deliver on a circular economy for PET packaging. Our commercial success is very much tied to environmental responsibility. COVID hasn't slowed us down.

**Why do we prioritize recycling?**

The social, political, and commercial focus on recyclability creates an opportunity to enlarge our recycling investments and create a positive impact on global circular economy initiatives. As the world's largest PET manufacturer, we have the responsibility to drive the sustainability of our industry. We take this responsibility very seriously. Today PET bottles are the most recycled plastic packaging in the world, this is set to increase as the world adopts a shared responsibility to end plastic waste. IVL believes that the recyclable properties of PET will drive growth in our sector.

**Why are you seeking carbon neutrality?**

As IVL's Chief Sustainability Officer I am always aware that I must act as a bridge between the environmental aspirations of the next generation and business models of recent times. My job is to recycle as much as I can, educate how PET is different from other plastics and how it compares to its alternative materials like aluminum and glass. As recycling will be a growth engine that drives our industry forward, we can align sustainability performance with traditional performance metrics, like revenue and growth. I see sustainability as a transformative journey which will drive our long-term success.

The full interview is scheduled to be published in August 2021, stay tuned!

\*Parts of the interview have been altered for clarity.

\*Recycling Today is a monthly publication that provides broad coverage of the recycling industry, offers a depth of market information along with news, industry developments and company profiles of recyclers.

“

Recycling will be a growth engine that drives our industry forward. We can align sustainability performance with traditional performance metrics, like revenue and growth.

**Yash Lohia**

*Chief Sustainability Officer of Indorama Ventures*

”



# IVL READY TO CAPITALIZE ON GLOBAL RECOVERY

**First-quarter earnings and efficiency projects remain strong**



**Money Matters**

- Revenue is up 10% year-over-year.
- Reported earnings per share up to 1.04 THB compared to 0.20 THB in Q4, 2020.
- Reported EBITDA of US\$483 million from higher core EBITDA, positive contract adjustments and inventory gains.
- Project Olympus on pace to deliver 2021 target of US\$287 million in efficiency improvements.

**State of the Transformation**

IVL's recent leadership reorganization – 16 distinct business verticals within three business segments under one global CEO – continues to prove resilient against supply chain disruptions, such as the polar vortex and Suez Canal blockage.

**A Greener World**

This past Earth Day, IVL launched the industry's first carbon-neutral PET pellet through our Deja™ sustainable brand platform (read more about it on pages 10-13). The pellets are made with renewable energy, locally sourced materials and low impact water transportation to achieve a carbon neutral footprint. Deja™ is a key pillar of IVL's commitment to the UN's 2030 agenda for sustainable development.

**Project Olympus**

The company's key optimization program over-delivered by 21% in 2020. In the first quarter of 2021, Project Olympus yielded US\$67 million—split evenly between business initiatives and cost transformations. IVL continues to engage leading external experts and seek new tools and practices to maintain these efficiency gains and hit our target of US\$287 million in 2021.

“

Last quarter I stated that 2020 brought no structural damage to the industries IVL plays in and the first quarter of 2021 has further solidified this thesis.

**Aloke Lohia**

*Group CEO of Indorama Ventures*

”

# CORPORATE NEWS

## Indorama Ventures Places Thailand's First Green Deposit with HSBC

IVL became the first Thailand-based company to invest in HSBC's Green Deposit initiative, which supports environmental, social and governance (ESG) projects. Proceeds from the Green Deposit will support businesses and projects that focus on renewable energy, efficient buildings, and sustainable land use among other climate change initiatives.

## Strategic Investment in Nagpur, India

Nagpur-based Indo Rama Synthetics Limited (IRSL), an IVL subsidiary, will spend up to INR 6 billion (US\$ 82 million) upgrading equipment and adding capacity at its manufacturing site. India is a strategic market for IVL, and the plan includes a new PET resin manufacturing facility, additional balancing equipment, and a large range of specialty yarns. The new facility is expected to be operational by Q2, 2022.

## WeQual Asia-Pacific Awards

Wan Norashikin Mohd Nasir, Global Vice President Risk Management & Business Continuity Management at IVL has been nominated in the "Leadership Excellence" category at WeQual Asia-Pacific — an organisation that advocates for female executive appointments. Nasir was one of 24 nominees. The winners will be announced in September of this year.



Indo Rama Synthetics Limited (IRSL), Nagpur, India



**WEQUAL® FINALIST ASIA-PACIFIC 2021**

CATEGORY | LEADERSHIP EXCELLENCE

**Wan Norashikin Mohd Nasir (Nonie)**

Vice President, Global Risk Management & Business Continuity Management



New Integrated Oxides & Derivatives (IOD) technology center

## New IOD Technology Center

IVL's Integrated Oxides & Derivatives (IOD) business started development of a new technology center at The Woodlands, Texas. The facility will become the U.S. development hub for new products used in home, personal and industrial applications.

## CarbonLite Facility Acquired in Texas

IVL successfully acquires CarbonLite, one of the largest producers of food-grade rPET pellets in the U.S. Now known as Indorama Ventures Sustainable Recycling (IVSR), the assets in Dallas have a combined capacity of around 92,000 tons per year.

## Integrated PET Recycling Plant in Indonesia

The latest addition to IVL's global recycling infrastructure is a 100% greenfield entity in Indonesia. This expansion aims to become a one-stop solution for virgin and recycled PET. To help combat marine pollution in the region, IVL will invest in secure sourcing and local suppliers to scale up the local collection system. The plant will also produce products under the Deja™ brand.

## Partnership with Polymateria Global

Two Indorama Ventures companies, FiberVisions and Avgol, worked closely with Polymateria to commercially harness innovative "biotransformation" technology pioneered by the UK-based company. The patented technology alters polyolefins to make them biodegradable. The first commercial launches will focus on non-oxo-degradative components for personal protection masks as well as hygiene, agricultural, industrial and home care applications.

## IVXP becomes the world's largest PNDA producer

Indorama Ventures Xylenes & PTA (IVXP) announces a new PNDA (Purified 2,6-Naphthalene Dicarboxylic Acid) production unit at its integrated manufacturing site in Decatur, Alabama, U.S. PNDA is used to make specialty polyester polymers for electrical parts. The product maintains a 99.8% purity level, and IVXP produces enough of it to match forecast global demand for the coming decade.



Indorama Ventures Xylenes & PTA (IVXP) announces a new PNDA unit

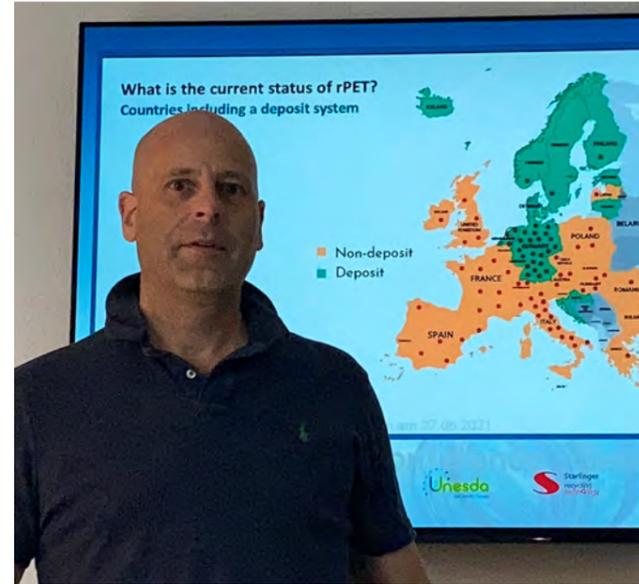
## FRESH FACES

Meet some of the newest members of the IVL family



**Dayalan Sathiamutty**

Crisis Management and BCM Expert  
Based in Bangkok, Thailand



**Dr. Patrick Amrhein**

Specialty Polymers Europe and Indorama Ventures Polymers  
Germany GmbH Managing Director  
Based in Hattersheim, Germany

### Tell us a little bit about yourself?

Most people call me Daya. I grew up in Kedah, also known as The Rice Bowl of Malaysia, which sits right on the border of Thailand. I'm from a mixed background (my dad is Hindu and my mom is Chinese). I've completed my MBA and am currently pursuing a Ph.D.

### What made you want to join IVL?

I hadn't heard of IVL before I joined, actually, because I wasn't exposed to the petrochemical industry before this. Once I joined I came to realize how well-known and respected IVL is globally. I'm very proud to be a part of this big family!

### What is the strangest item on your desk right now?

I won't call it the strangest item, but my desk is always occupied with food. The more I eat, the better I work. I am really a foodie.

### Tell us a little bit about yourself?

I'm a trained chemist, a passionate team player, results oriented, and always looking for a path to win while not shying away from taking risks. I'm a soccer referee in the second part of my life and I try to apply the same principles to business. Be objective and fair, make timely decisions and stand up for them.

### What made you want to join IVL?

IVL is a great success story. The company is very innovative and strong at growing its business. It will be great to finally hold a bottle in my hand after it has undergone chemical recycling.

### What is the strangest item on your desk right now?

This is a package of tissues I got somewhere in Japan during some of my former business travels a few years back. I never opened it and it is just sitting there.

## ACTIVITY HIGHLIGHTS



Performance Fibers in China Kicks Off TPM Program



Inaugural Town Hall at IVSR

### Inaugural Town Hall at IVSR

Newly acquired Indorama Ventures Sustainable Recycling (IVSR) held their Inaugural Town Hall at the site in Dallas. Srinivasan Prabhushankar, CEO of Recycling welcomed over 100 employees to the IVL family. Other management members also gave more information about IVL's recycling business and upcoming employee benefits.

### Cardboard Boxes Donated to Make COVID-19 Patient Beds

Indorama Polyester Industries (Rayong) donated cardboard boxes for COVID-19 patients in response to a recent wave of infections in Thailand. The 2,750 kilograms of cardboard will be recycled to make bed frames in a project led by SCG Packaging (SCGP). This initiative is aligned with IVL's wider ambition of a circular economy to reduce waste.

### Circular Innovation Challenge

Indorama Ventures and partners organized the "Circular Innovation Challenge" recently. The program is meant to inspire young innovators to better

understand circularity and waste management. Over 400 applicants from across Thailand entered their circular economy concepts, vying for 200,000 THB (US\$6,420) in prizes. The RECYSO team won the "Circular Economy Innovation" category with their solar panel recycling and Waste to Waste team won the "Water and Sanitation Innovation" category with seedling bags made from plastic.

### Performance Fibers in China Kicks Off TPM Program

Performance Fibers, an IVL company in China, launched their Total Productive Maintenance (TPM) program to improve the reliability of equipment and employee skills.

### IVXP Hosts a Marine Biology Class

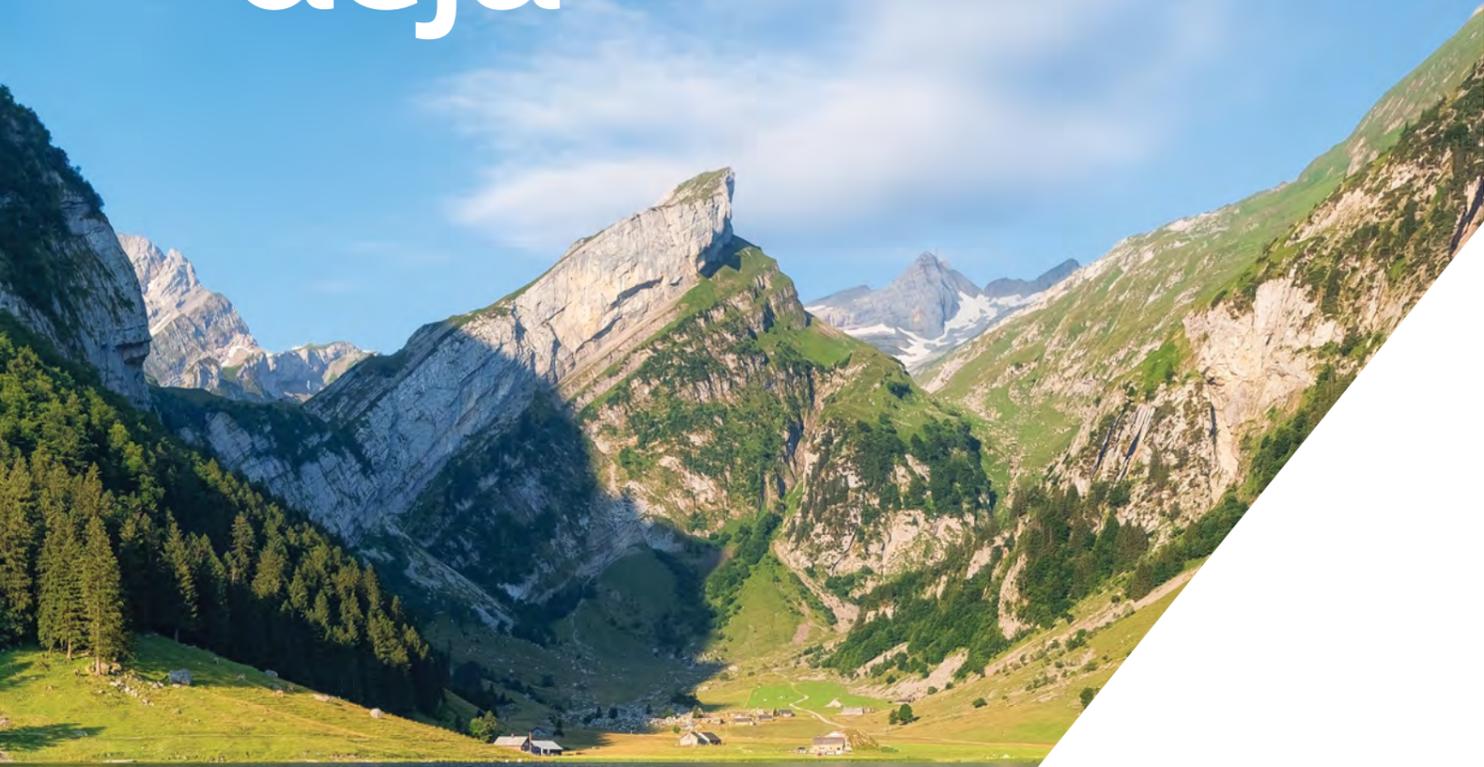
Students from Athens State University visited Wetlands Edge Environmental Center (WEEC), a facility of Indorama Ventures Xylenes & PTA, Alabama, USA. They witnessed living marine invertebrates and discussed the human impact on the environment, learning about IVL's recycling infrastructure as a solution to divert waste from natural resources.

### 2021 STEM Innovation Grant Grand Prize Winners

Indorama Ventures Integrated Oxides and Derivatives in Port Neches, Texas, USA, awarded five grants totaling US\$10,000 to middle and high school teachers across the community. The money will be used for science, technology, engineering, and mathematics (STEM) education.

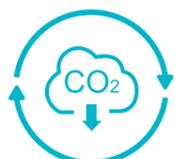


Take a different view



## Made to be remade again

By asking more of PET and less of the planet, we recognize PET as a valuable resource that is helping close the loop in a circular economy



Reduce Carbon emissions



Reduce the amount of waste that goes to landfill



Achieve sustainability targets through design collaboration

[www.dejamade.com](http://www.dejamade.com)

## DEJA™ - CLOSING THE LOOP

Sustainability in the PET industry is more important than ever before, and the growth of IVL's Deja™ is paving the road ahead



It is important that we demonstrate sustainability leadership. By supporting the development of recycling infrastructure, and investing in advanced recycling and sustainable technologies, we close the loop, delivering a circular economy and reducing carbon emissions. The Deja™ brand platform will enable conscientious customers to differentiate and to add value along the supply chain.

**Yash Lohia**  
Chief Sustainability Officer of Indorama Ventures



As the needs and demands of customers, investors and the global economy continue to shift towards environmentally sustainable practices, Indorama Ventures is investing more time and money than ever into expanding its portfolio of sustainable solutions.

The cornerstone of this movement is the Deja™ brand, which offers a performance-led suite of sustainable products to help IVL customers achieve their own sustainability targets. The inspiration for the brand is straightforward: make products that are good for society. To achieve this, and hit our ambitious target of recycling 50 billion PET bottles per year by 2025, Indorama Ventures has pledged a US\$1.5 billion investment in its sustainability targets—Deja™ is a massive part of this effort.

Today, consumers demand transparency and environmental sustainability. IVL's access to recycling resources through its global supply chain puts it in an excellent position to satisfy these demands. Through Deja™, we can offer highly versatile fiber and polymer products for a wide range of applications, particularly in the hygiene, lifestyle, automotive, and packaging sectors.



# 2021 DEJA™ PRODUCTS

## Easy Mask

The Deja™ Easy Mask is a collaboration between Indorama Ventures, Dutch dyeing brand DyeCoo, and German knitting company Stoll. The mask is made using Deja's 100-percent post-consumer recycled polyester (rPET) performance yarn. All of the rPET is locally sourced, offering a closed-loop solution with a low carbon footprint. On matters of color, DyeCoo's CO2 dyeing technology uses no water in its industrial processing method—no water waste, no treatment plants. After the dyeing process, 95% of the CO2 used to dye the masks is reclaimed by the dyeing machines and is used for the next batch of masks. Stoll comes into play with assembly and knitting. Their seamless knitting technology means that production waste is held below 1%. The production facilities are highly automated, which allows for on-demand

production and reduces surplus production. The mask is easily disassembled so parts can be replaced and reused instead of thrown away.

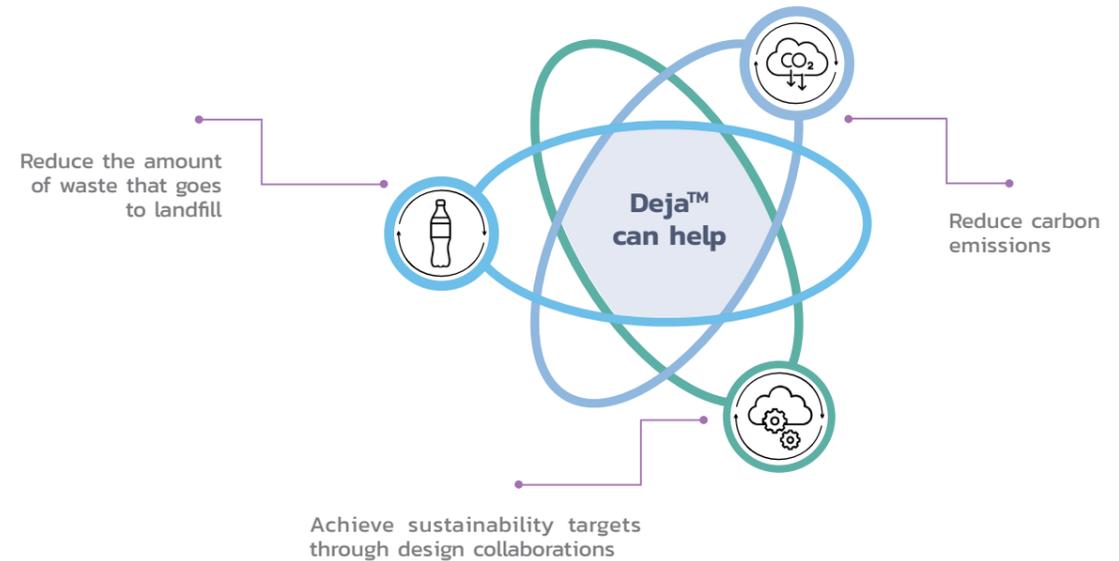
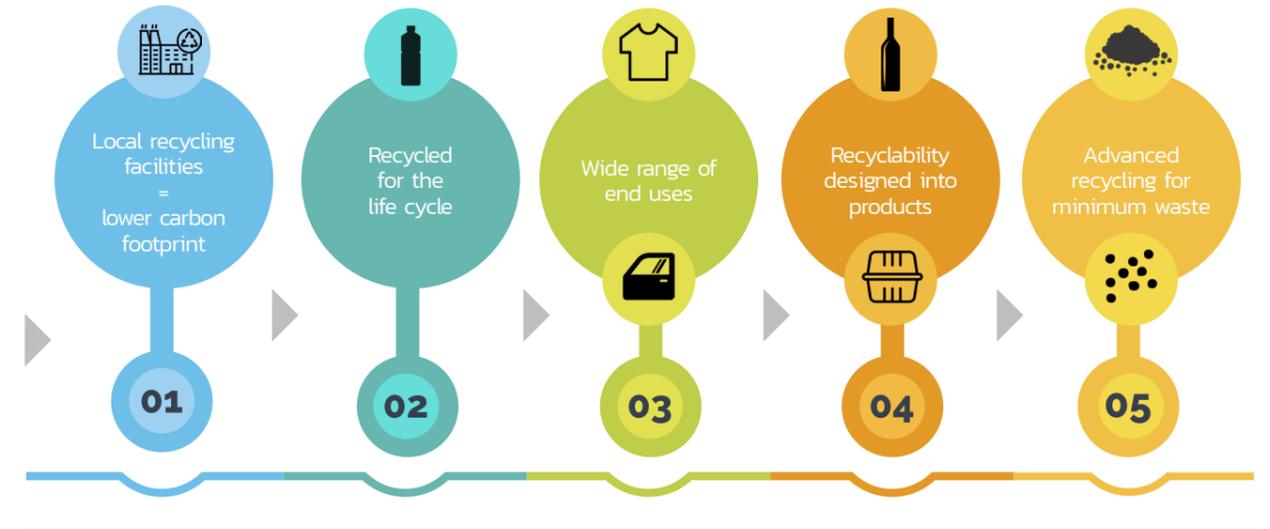
## Deja™ Carbon Neutral PET

The latest innovation under Deja™ is the world's first certified carbon neutral PET pellet. These pellets have been sustainably produced and help environmentally conscious companies achieve their own eco-targets by lowering their Scope 3 greenhouse gas emissions. The production process has neutral raw material emissions, from cradle to IVL's plant gates. Globally establish providers independently verify the product's carbon neutral certification. These carbon neutral pellets are fully traceable (meaning every step along the supply chain is visible and scrutinized) and certified for food-grade packaging applications.

## The World is Changing



**Together for Better** IVL is leading the charge towards a circular economy by committing US\$1.5 billion in support.



# THE FIGHT FOR A GREENER WORLD

As global economies shift towards eco-conscious practices, IVL explores new ways to lead the push for decarbonisation in the chemicals industry

### Global Players Commit to Carbon Neutrality

Climate change is an inevitability, and reducing carbon footprints in operations and supply chains is more important to consumers, regulators, activists and investors than ever before. Nations and corporations alike are taking note.

The United States, Canada, and the European Union have all pledged to achieve carbon neutrality by 2050. China will do the same by 2060. Tech giant Apple committed to carbon neutrality in just nine years' time. Driven by developments in electric car technology, Ford Motor Company set 2050 as the target for its balanced carbon output. Others, like retailer Ikea, aim to become climate positive (removing more carbon than they emit) at the turn of the decade. In May 2021, a Dutch court ruled oil giant Shell must reduce its own carbon emissions by 45% within 2030.

### IVL's Promise to Join the Fight Against Climate Change

Because of the importance of protecting the environment and the people within it, Indorama Ventures has developed a five-pronged strategy to reach carbon neutrality.



## What's the Difference Between "Carbon Neutral" and "Zero Carbon"?

Although these two words are often used interchangeably in the world of sustainability, there are some key differences.



### New International Regulations on the Horizon

As the world places an increased importance on saving the environment, cross-border commitments and regulations are pressuring countries and corporations to reduce their emissions. One such example is the EU's Carbon Border Adjustment Mechanism (CBAM). This legislation would impose fines on goods imported from countries with little-to-no carbon pricing schemes. Since domestic production is protected under this mechanism, IVL has the potential to benefit from the arrangement—although some production inputs might be affected. The US and Canada have expressed interest in similar concepts but haven't made commitments yet.

# OPERATION SUSTAINABILITY

## An overview of IVL's mission to become a world leader in ESG goals

To meet our 2025 Sustainability Strategy targets, IVL will focus on three core elements:

### Environment: Responsible Operations

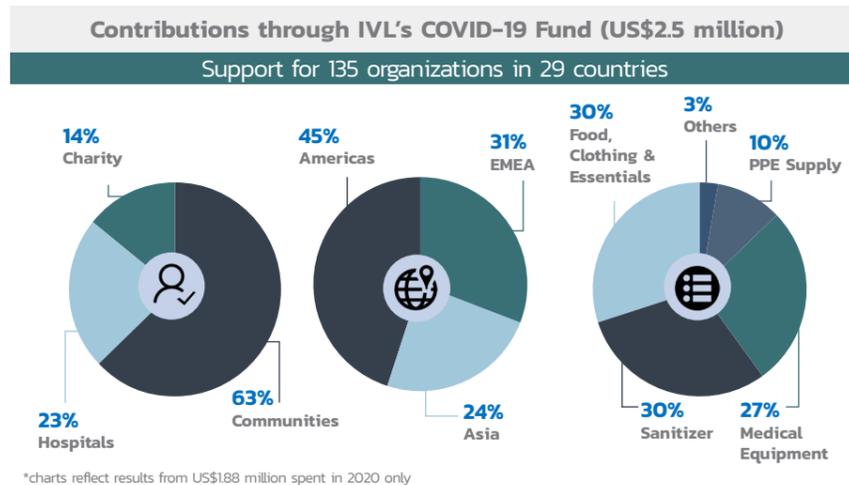
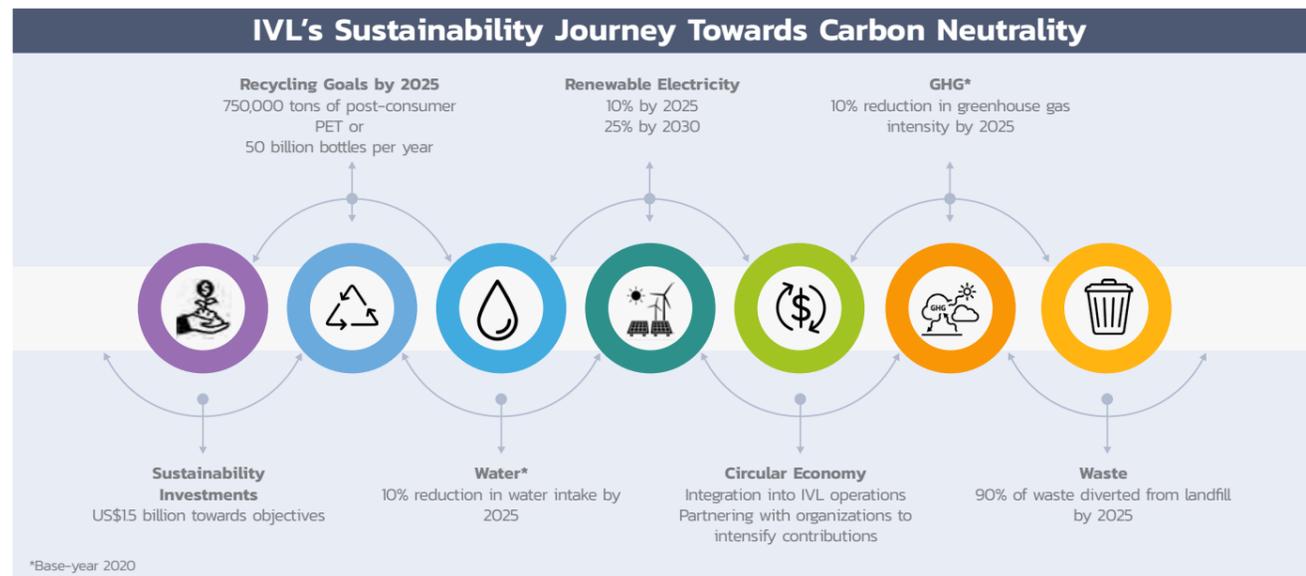
Ensure operations and products are focused on being environmentally friendly, contribute to the circular economy, and reduce emissions.

### Social: Empowerment Culture

We must respect human rights, engage and invest in capacity building, and create shared value for our stakeholders that demonstrates a commitment to long-term success.

### Governance: Business Potential

Meet the sustainable growth needs of society through a business based on integrity and ethics, driving customer experiences through innovative products.



### Response to the COVID-19 Pandemic

Thanks to a decade-long effort to embed sustainability into IVL's core business, we were able to successfully navigate the pandemic's negative effects:

## Meet Our Sustainability Team

### Everything you need to know about IVL's task force for environmental change

To meet IVL's goal of becoming a world-class sustainable chemical company, the Sustainability Team establishes a focused set of initiatives for the broader company. This includes working with strategic partners and associations to tackle issues of plastic recycling, plastic waste mismanagement, and climate change.

**Action that counts – On issues that matter**  
Led by Chief Sustainability Officer Yash Lohia, the team focuses on a range of issues:

#### Environmental Sustainability

Finding recommended focus areas with regards to sustainability in the ecosystem, creating roadmaps towards eco-friendly goals, and creating partnerships and networks of experts to help with initiatives and special projects.

#### Sustainability Reporting and Disclosures

The team engages in a range of activities that promote sustainability and enhance IVL's reputation. These include gathering data, monitoring issues, crafting reports, and benchmarking exercises to maintain best practice.

#### Sustainability Communications and Advocacy

Building external awareness about the company's sustainability efforts and journey, also leading IVL's circular economy and CSR efforts.

#### Global Product Innovation and Stewardship

This is the incubator that helps to develop special product innovation projects. On top of that, it provides expertise for life-cycle assessments (a way of evaluating the environmental impacts of a project) and a creating a central database for that information.



**Yash Lohia**  
Chief Sustainability Officer



**Mukul Jain**  
Chief of Staff



**Avinash Chandra**  
EHS Data Lead



**Colm Jordan**  
Head of Sustainability  
Communications and Advocacy



**Harsha Reddy**  
Head of Sustainability  
Reporting and Disclosures



Junsayam  
Somnaitham



Sasinotai  
Rochanutama



Jaruwat  
Watanatanachart



Jom  
Madan



Sripichai  
Chairivichien



Panchica  
Koonchaimang



Tuangrat  
Leungcharoenwattana



Anggtid  
Nanthayapirom



Ponglert  
Chanthorn

Find out more



<https://sustainability.indoramaventures.com/en/downloads/sustainability-reports>

# ADDING VALUE

## Three IVL colleagues share their thoughts on how the company's vision, mission, and values provide meaning to the work they do

### IVL's Five Core 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.



**Kristina Cubillejo**  
Indorama Ventures Oxides, Australia

An industrial engineer with 15 years of experiences in both sourcing and procurement, now working as a Category Buyer. Mother of two, originally from the Philippines and now living in Australia.

**We see change as an opportunity**  
"Throughout my purchasing career, I learned to deal with lots of changes and challenges. Believe it or not, it often excites me now when I hear that change is coming!"

**Our people make the difference**  
"Each one of us contributes to Indorama Ventures' targets and goals. I believe that we should give people a chance, hear what they have to say, show respect, and collaborate. Be humble, while you achieve more."

**Diversity is our strength**  
"Over my purchasing career in the semiconductor, automotive, oil and gas, and chemical industry, I don't dwell on challenges anymore. Rather, I find a solution, never quit and escalate to get help as we are never alone in this journey."



**Darcio Silva**  
Indorama Ventures Polimeros, Brazil

Born in Sao Paulo but now working as the Site Head in Suape with a mechanical engineering background. Darcio is an avid fan of volleyball and soccer, father of three with two grandchildren.

**We are responsible**  
"We work hard for competitive costs, sustainability performance, operational excellence, etc., but always respecting our rules. We always say: never seek results at any price."

**The customer is why we exist**  
"To be updated with clients' needs, work to achieve new demands, consider any complaint as a chance to do better, and never send out a bad product."

**Our people make the difference**  
"I really believe that is not enough to have better machines or better processes. People make the difference. Not only producing good products, but creating strong relationships and solutions."

**We are responsible**  
"As a world-class chemical company, we not only strive to serve the market with responsible and sustainable products, but we are also measured by those aspects. Communicating these contributions is just one of the many important aspects of my job."



**Svenja Fromm**  
Trevira, Germany

A veteran of the Trevira family for 23 years, Svenja has developed a deep understanding of the colorful world of fibers in her role as Marketing and Communications Director for LifeStyle (Europe).

**Our people make the difference**  
"As the sister sites team up, we not only bundle immense knowledge and expertise, but we also broaden our service and product portfolio towards the industry. Here, every level of expertise from all employees and all jobs is key."

**The customer is why we exist**  
"With our diverse business covering many different sectors, it's important to offer products that meet the diverse goals of the many brands we serve."

**We are responsible**  
"As a world-class chemical company, we not only strive to serve the market with responsible and sustainable products, but we are also measured by those aspects. Communicating these contributions is just one of the many important aspects of my job."

# STRONG TOGETHER

## Introducing the IVL Culture Awards



In order to build a shared understanding of the behaviors associated with our values, IVL initiated its Culture Awards to celebrate employees and teams that exemplify the company's core principles. The awards focus on five categories: Customer Centric, Responsibility, Driving Diversity, Change Enabler, and Leadership. In 2021, two categories will pilot the program. Change enablers are people who influence, coach and communicate with others to change processes at IVL for the better. Leaders help to drive results, energize others, champion change, and focus on customers.

Employees can nominate a person or team through a form on InVoLve, submitted to HR.



“

At IVL we value the results we deliver together, and the way they are delivered. Our IVL culture and values reflect the behavior each of us brings to work every day, and they are the foundation of IVL's success, in the past, today, and in the future.

**Roberto Bettini**  
Group CHRO of Indorama Ventures

”

### When is it happening?

The IVL Culture Awards launched this past April, and employees and teams can be nominated through September 1, 2021.

**Site Level**

**Selection: September 1-15**

**Presentation: September 30**

**Vertical Level**

**Selection: October 1-15**

**Presentation: October 30**

**Indorama Ventures**

**Selection: November 1-15**

**Presentation: GMC: January 2022**

# SHARED VALUES

## No company can go it alone. Here's how IVL's "Shared Value" concept goes beyond traditional CSR

To help implement strong Corporate Social Responsibility (CSR) practices that reflect a sense of shared values across Indorama Ventures, the "IVL Shared Value Awards" helps to build awareness and take the company's CSR activities to the next level. The initiative goes beyond philanthropy, donations or social contributions by creating meaningful value to the communities and companies—competitive advantages, brand reputation, securing supply chains and social needs or community concerns.

Some examples of IVL shared value projects in 2020

### Zero Waste School (Rayong, Thailand)

TPT Petrochemicals PCL in Rayong established a waste management system in local Rayong schools. The ultimate goal is to turn them into eco-schools and learning centres for sustainability and the circular economy.

### Wooden Pallet – Repair and Recycle (Lopburi, Thailand)

Indorama Polymers and Asiapet in Lopburi has implemented this wooden pallet repair project since 2011. The project provides employment and skill-building opportunities for the local community while the wooden pallets are used at IVL's site.

### Terra Coração Vegetable Garden (Brazil)

Indorama Ventures Polímeros S.A. in Brazil supports nearby communities by serving organic products to promote health and well-being. Resources in canteens and restaurants come from local farms to reduce costs and ensure food safety in the workplace.



TPT Petrochemicals, Rayong, Thailand



Lopburi, Thailand



Indorama Ventures Polímeros, Ipojuca, Brazil

“

No one company operates in isolation. We are part of a larger ecosystem where interdependency is critical to not only survive but also thrive.

**Aradhana Lohia Sharma**  
Chairperson of Shared Value Award committee.

”

# RECYCLED PET IS EVERYWHERE

## Learn how IVL is reducing PET waste through its recycling education program

Did you know? Indorama Ventures has become the world's largest PET recycler, in alignment with our commitment to recycle 50 billion bottles per year by 2025.

PET or PETE is the abbreviation of Polyethylene terephthalate, a material used in product packaging. Although mostly seen as beverage bottles, PET is made from the same ingredients as polyester, which is used to manufacture various textiles such as clothes, shoes, bags, or even PPE suits. As you can see, the PET beverage bottles we consume are completely recyclable.

As consumers, we play a vital role in the recycling process which starts with correct waste separation. To identify a bottle as PET, notice the triangular recycling symbol on the product. The number inside the symbol identifies each type of plastic; if there is the number 1, then that bottle is made of PET.

In the recycling process, types of plastics must be separated but transparent and coloured PET bottles also have to be recycled separately. Transparent PET bottles can be recycled into white fibers that can be dyed in colour while coloured PET bottles will be recycled into black fibers.

IVL started its public recycling education program in 2018, aiming to raise awareness about the environment and increase understanding of waste separation among consumers. This initiative targets all ages from primary school students, universities, and the general public. This is more critical than ever during the pandemic, we are aware of the increasing need to recycle plastics along with rising consumption.

Indorama Ventures is prepared to provide knowledge and welcomes any questions from consumers about recycling or types of plastics. Readers may send in questions to our recycling education team in Thailand at [recyclingeducation@indorama.net](mailto:recyclingeducation@indorama.net)



Sustainable lifestyle session at the American Chamber of Commerce in Thailand



Recycling Education roadshow with HSBC's CSR team at Lumpini Library Bangkok

## PACKING POWER

### IVL's operations in the Philippines continue manufacturing growth

Indorama Ventures Packaging (Philippines) (IVPPC) began operations in June 2014, becoming IVL's second packaging site outside of Thailand. The site produces plastic bottles, preforms, and closures to meet demands of the local beverage packaging industry from water, carbonated drinks, tea, and more.

Expanding our capacity in the country, Coca-Cola Beverages Philippines and Indorama Ventures signed a joint-venture to establish an all-new bottle-to-bottle recycling facility—the largest facility of its kind in the country. Over US\$20 million is being spent on a new, state-of-the-art plant in General Trias, Cavite. Construction is expected to be completed this year. Bottles and packaging manufactured at the plant will be 100% recyclable, reducing use of resources and allowing better management of environmental impact. The facility will leverage the latest and safest recycling processes to encourage a circular economy for PET. It will have a capacity to process approximately 2 billion bottles per year and can output around 16,000 million tons of recycled PET resin per year.



#### Indonesia joins IVL's integrated PET recycling family

Exciting news coming out of a neighbouring country. IVL extends its global recycling infrastructure with an all-new greenfield facility in Indonesia. The expansion will help to drive the company's wide mission towards a circular PET value chain, aiming to become a one-stop solution for virgin and recycled PET.

## PEARL OF CULTURE

Don't overlook this great Filipino mega-city. Manila is a behemoth of culture, food and fun, waiting to be explored.



Generally the first stop for anyone headed to the Philippines, Manila is often overlooked as a tourist destination because of its infamous traffic jams, smog, and urban density.

The city is bursting with energy, monuments and little nooks all worth exploring. Dubbed by Lonely Planet as one of Asia's most underrated but "coolest" cities, Manila's revived movement of speakeasy bars, contemporary art galleries and artisan markets hold up to its moniker: The Pearl of the Orient. The three suggestions below will get you started, but they are far from everything worth seeing here.

#### Eat: Binondo

While Manila has a wealth of trendy new cafes and fine-dining restaurants to explore, the 427-year-old Binondo district is said to be the oldest Chinatown in the world. You can spend an entire day here munching on steamed dumplings, maki soup, and all manner of Chinese sweets.

#### See: Fort Santiago

While under Spanish colonial rule, José Rizal became one of the Philippines' greatest national heroes as an advocate for political reforms to legalize equality among Spanish and Filipinos. Fort Santiago is where Rizal was held awaiting execution in 1896 for his political efforts. He is one of the country's national heroes to this day, and the site of his incarceration contains a wealth of memorabilia about his life and impact on the Philippines.

#### Shop: Silahis Arts & Artifacts

For more than 50 years, Silahis has been a hub of artisanal crafts and art developed by Filipino indigenous communities. The shop matches beautiful antiques with the likes of woven baskets, textiles and handmade items. It's also located in the heart of Intramuros, a centuries-old historic district in Manila that's a mandatory visit for history buffs—it is where you'll find Fort Santiago listed above.

# Committed Towards A Sustainable Future

