



## Delivering solutions to ADVANCE A CIRCULAR ECONOMY

#### **Bobby Batungbacal**

Country Manager Dow Chemical Philippines Inc. Oct 27, 2021

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Dow is the world's leading material sciences company with a purpose to use our expertise in collaboration with our partners to help deliver a sustainable future.

Our ambition to be the most **innovative**, **customer-centric**, **inclusive** and **sustainable** materials science company. Dow's portfolio delivers a broad range of differentiated science-based solutions for high-growth markets.









Infrastructure Packaging

Mobility

Consumer Care Industrial Solutions



## Dow's Commitment to Sustainability

Sustainability has been the cornerstone of Dow's business since our founding and underpins each and every decision we make.

## Sustainability Journey



2015 Sustainability Goals Handprint

Redesigning products and processes for customers

# 2025 Sustainability Goals Blueprint Thinking

Rethinking business models and collaborating to grow impact

# Sustainability Targets



#### 1. Protect the Climate



Protect the Climate

By 2030, Dow will reduce its net annual carbon emissions by 5 million metric tons versus its 2020 baseline (15% reduction).

By 2050, Dow intends to be carbon neutral.

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#### **Eliminating Plastic Waste**

#### 2. Stop the Waste



By 2030, Dow will enable 1 million metric tons of plastic to be collected, reused or recycled through its direct actions and partnerships.

#### 3. Close the Loop



By 2035, 100% of Dow products sold into packaging applications will be reusable or recyclable.





RECYCLE**READY** ... is the FECHNOLOGY ... It is a

..is the Application Development tool to design "**Sustainable Packaging**" ..It is a way to create flexible packaging that can be easily "**Recycled**"

- Mono-material solutions and structure simplification
- All-PE pouch development with and without barrier
- TF-BOPE for all-PE structures vs OPP/OPA/OPET
- Barrier Adhesives to enhance barrier performance
- OPULUX<sup>™</sup> high temperature gloss lacquer
- **RETAIN**<sup>TM</sup> integrated compatibilizer for PIR/PCR recycling





#### Sustainability project highlights

## PLASTIC ROAD

- Another usage for the difficult-to-recycle plastic waste that helps strengthen the asphalt road by 15-33%.
- Collaborating with San Miguel to pave the first plastic road in the Philippines in 2019.
- Also implemented in Indonesia, Thailand, and Vietnam. More than 60,000 sq.m. of road has been built, diverted more than 30 tons of waste.





#### **U**PCYCLED CHAIRS FOR SCHOOLS IN NEED

#### Sustainability project highlights



- Incorporating low-value waste sachets and plastic packaging in chairs.
- Contain >800 pieces of waste sachets and hard-to-recycle packaging in each chair.
- Delivered almost 300 chairs to 6 schools.



## SUSTAINABLE RUBBERIZED FLOOR SURFACE SYSTEM

#### Sustainability project highlights

With DOW, your old rubber shoes can pave the way towards the sustainable future.

#### The 1<sup>st</sup> Philippines Sustainable Pedestrian Bridge

- Focusing on collecting and upcycling discarded rubber footwear to create a sustainable pedestrian footbridge in the city of Manila.
- Incorporating Dow's binder technology with the ground rubber.
- Expecting to collect 30,000 pairs of rubber shoes.
- Starting in October 2021 to build waste sorting awareness.



Nparks' Jurong Lake project in Singapore using recycled shoes





## **PLASTIC SUSTAINABILITY EDUCATION**

### Empowering next generation of environment sustainability champions

- Collaborating with PBSP and CISTEM to develop digital education modules about solid waste management and its impact to the environment.
- The modules can be accessed by up to 1,000 users (trained and certified) every year.
- The training platform can also be accessed by teachers and learners from any location in the Philippines and around the globe.







# Seek





# Васк Up

**Dow Restricted** 

## A Sustainable Model of "New Rubber" ~ From supply to demand ecosystem



