



Delivering solutions to ADVANCE A CIRCULAR ECONOMY

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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[™] high temperature gloss lacquer
- **RETAIN**TM 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.





UPCYCLED 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 1st 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



