



**SHERWIN-WILLIAMS.**

# POWDURA ECO PUTTING WASTE TO WORK

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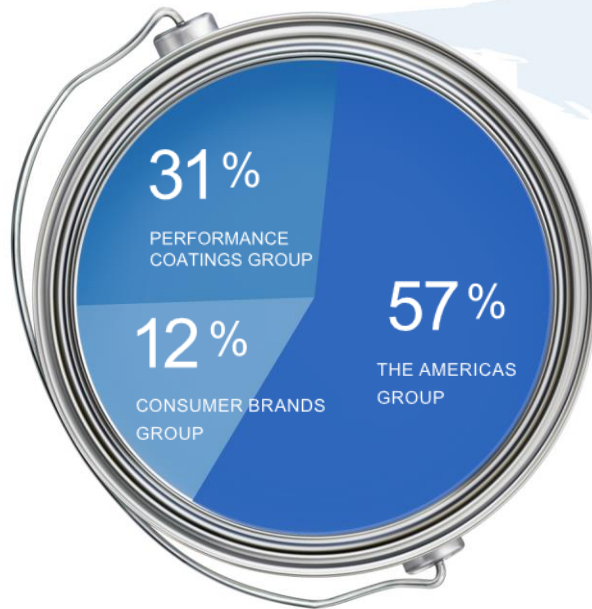
24 May 2023

# SHERWIN-WILLIAMS®

## About Us

**\$22.1 billion**

2022 Net Sales



**64,000+**

Employees

**5,000+**

Stores and Branches

**120+**

Countries

**136**

Manufacturing & Distribution Facilities

### INDUSTRY-LEADING PORTFOLIO OF BRANDS



SHERWIN-WILLIAMS.

valspar



**Purdy**



**Thompson's  
WaterSeal**





# Our presence in Europe



We directly employ **2,500 people** across **25 manufacturing sites** and operate **53 blending facilities** in Europe

- Vantaa, **Finland**
- Tournus, **France**
- Thouars, **France**
- Dresden, **Germany**
- Mannheim, **Germany**
- Vahingen, **Germany**
- Ballinamore, **Ireland**
- Minerbio, **Italy**
- Pianoro, **Italy**
- Orbassano, **Italy**
- Civitanova Marche, **Italy**
- Romano D'Ezzelino, **Italy**
- Lelystad, **Netherlands**
- Hendrik-Ido-Ambacht, **Netherlands**
- Brodziszewo, **Poland**
- Dębica, **Poland**
- Piotrkow Trybunalski, **Poland**
- Bello, **Sweden**
- Märsta, **Sweden**
- Grüningen, **Switzerland**
- Bolton, **United Kingdom**
- Sheffield, **United Kingdom**
- Biggleswade, **United Kingdom**
- Liverpool, **United Kingdom**
- Deeside, **United Kingdom**

# Corporate Sustainability

Our 2030 Sustainability Goals and an overall acceleration of our Sustainability Journey

## ENVIRONMENTAL FOOTPRINT Doing our Part for the Planet



Reduce absolute Scope 1 and 2 greenhouse gas emissions by **30%** by 2030



Increase renewable energy to **50%** of total electricity usage by 2030



Increase operational energy efficiency by **20%** by 2030



Reduce ergonomic injuries by implementing two ergonomic interventions per year in each manufacturing site



Increase women in management roles to **30%** by 2025, compared with **26%** in 2020



Increase under-represented racial/ethnic groups in U.S. management roles to **30%** by 2025, compared with **26%** in 2020

## SOCIAL IMPRINT

Elevating a Culture of Safety, Inclusion and Community

## PRODUCT BLUEPRINT Driving Sustainability Through Innovation



Implement Sustainability by Design process across the enterprise in 2021

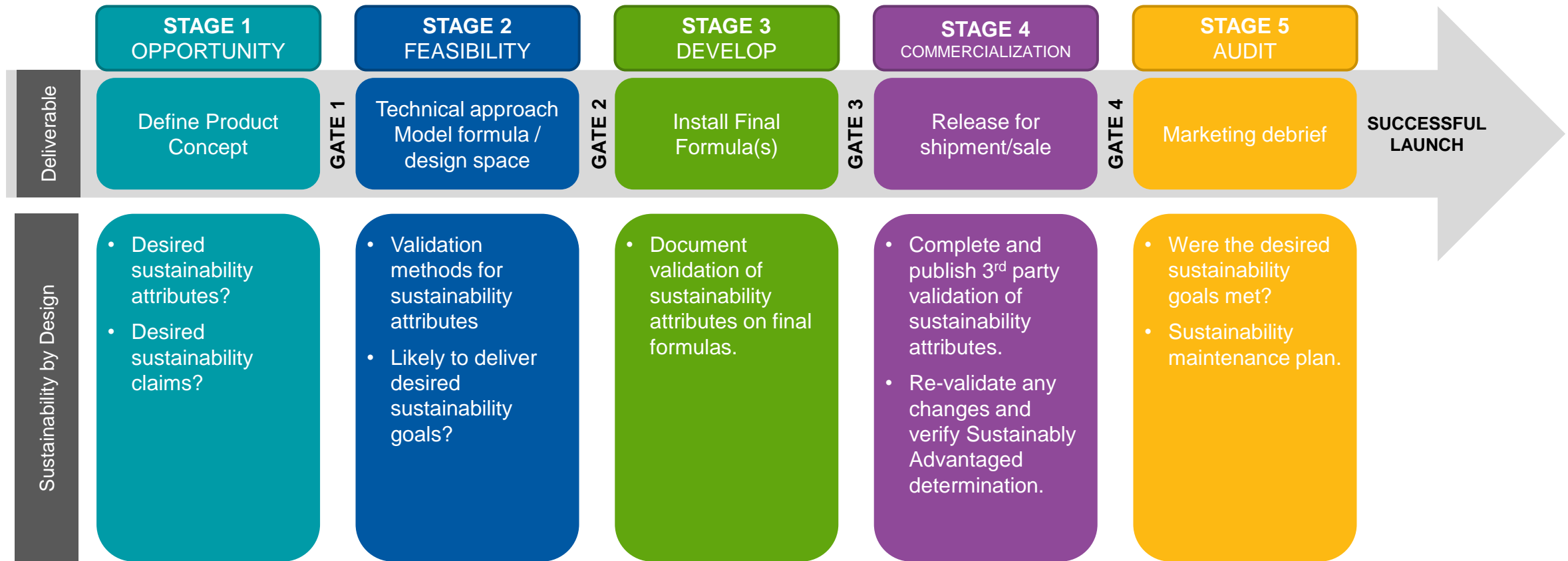


Establish baseline for "sustainably advantaged products" in 2021 and develop plan for expanding this product portfolio in the future

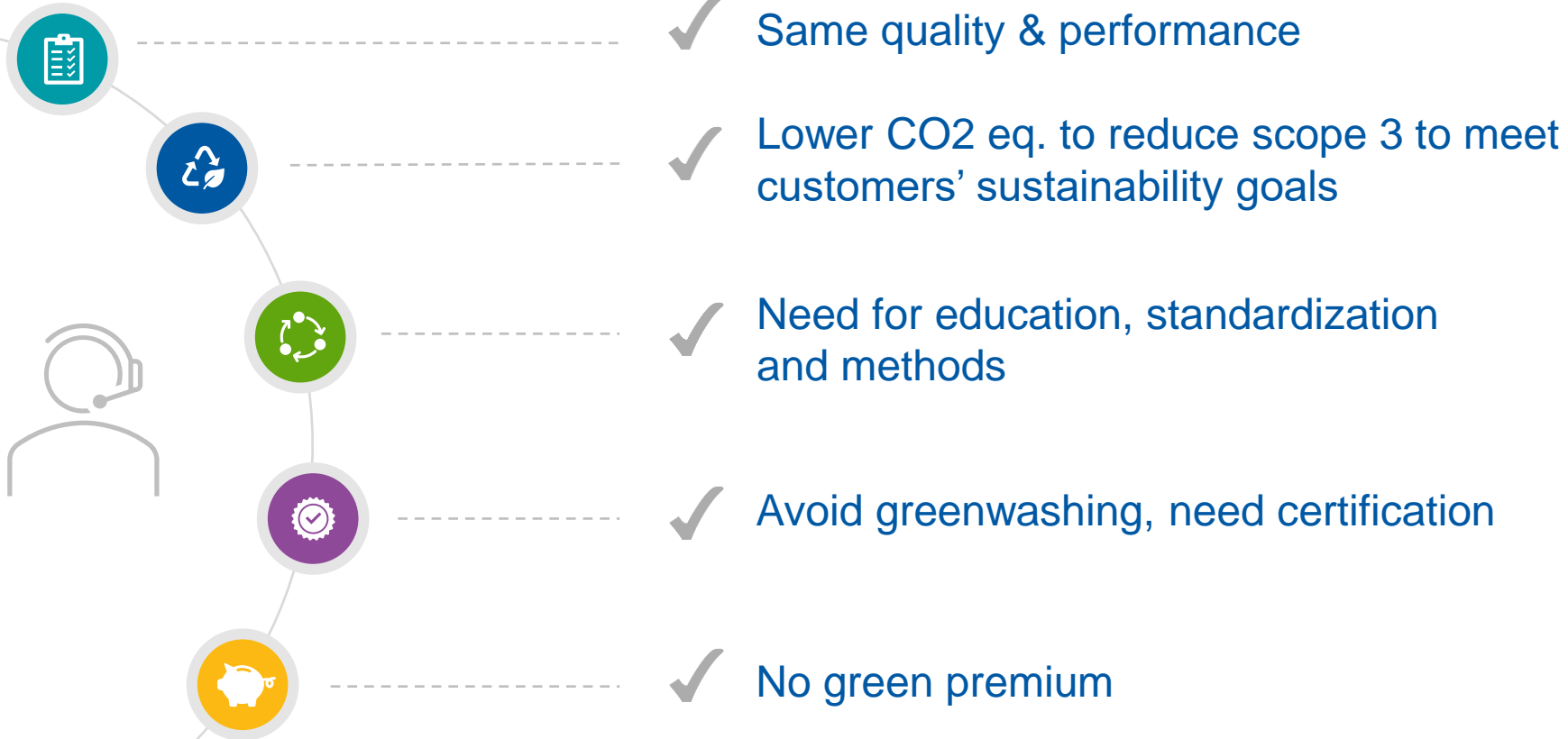


Develop consistent process in 2021 for measuring and assessing Scope 3 emissions

# Sustainability by Design Stage-Gate Process



# Customer Demands

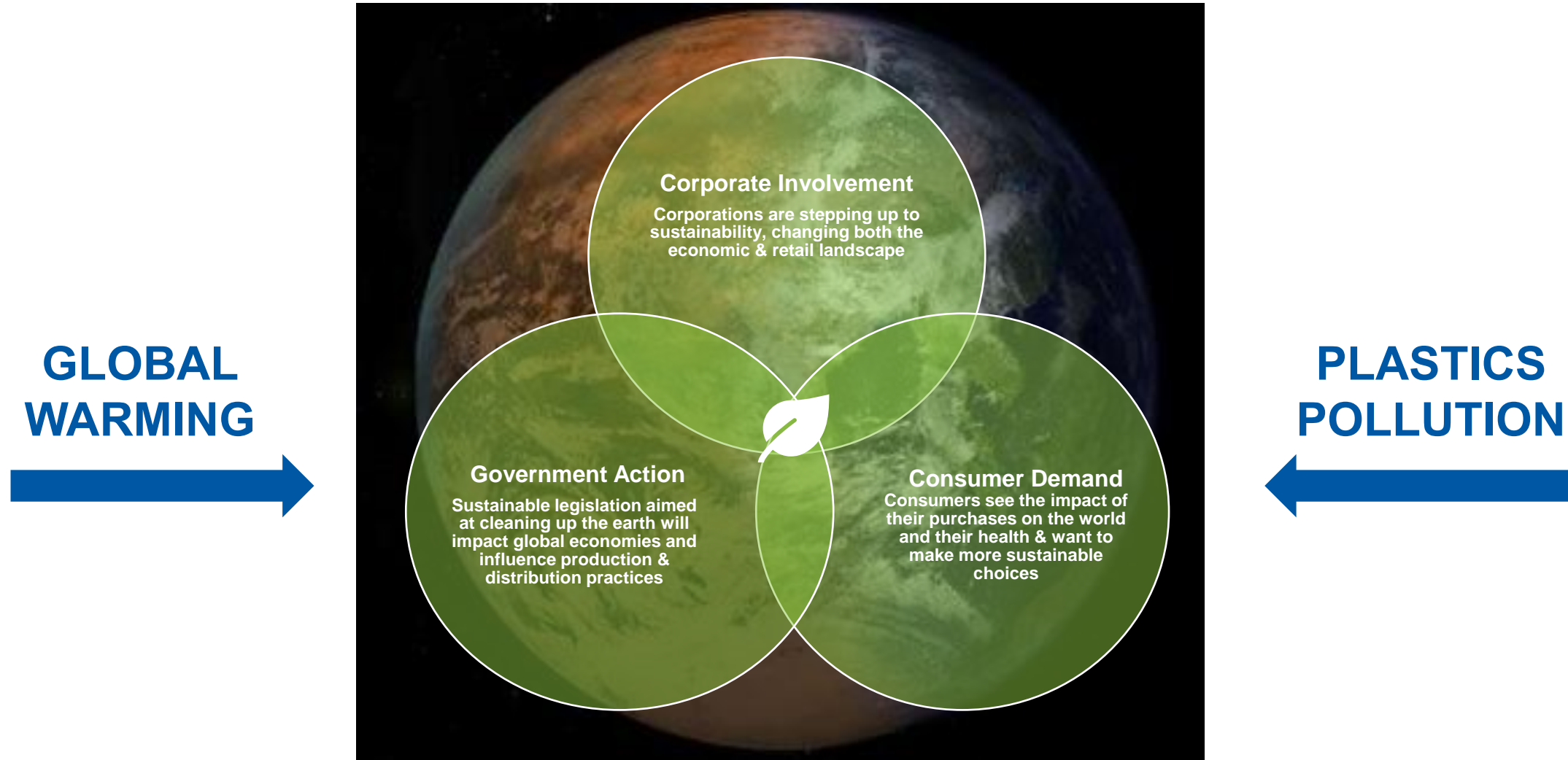


# Government Action





# Sustainability Momentum





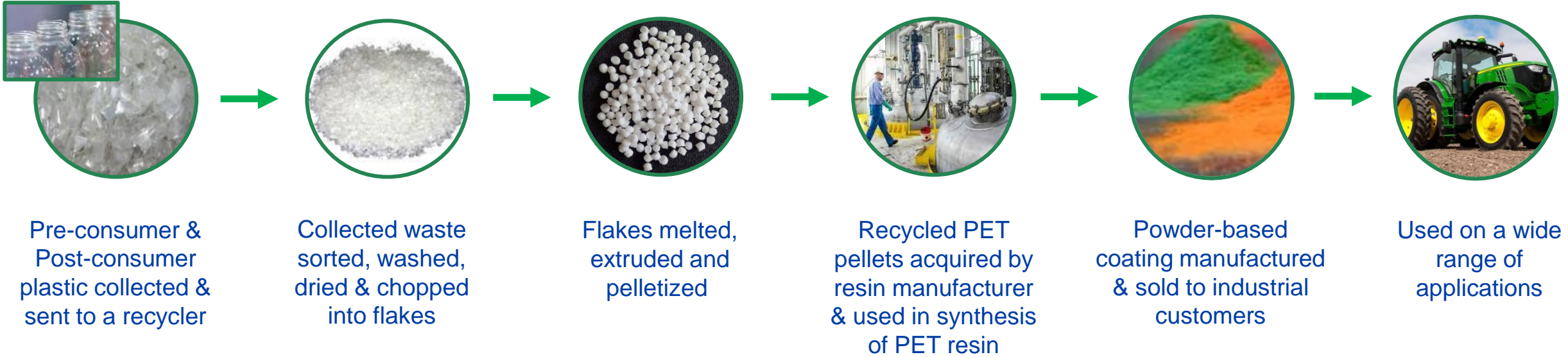
# Powdura Eco Powder Coatings

- Plastic waste transformed into powder resin
- Polyester resins contain **25%** Pre-consumer & Post-consumer recycled PET (rPET)
- Every kg of finished powder coating contains the equivalent of approximately  
**35 plastic bottles (Polyesters)**

**PUTTING WASTE TO WORK**



# PET Recycling Process



# Global Warming Potential

- Powdura® ECO line of coatings has a lower Global Warming Potential (GWP) versus the control baseline formulas
- Calculations\* derived from externally validated and publicly available EPDs show that Powdura® ECO has an avg. GWP of 3.84 kg/ CO2 eq. compared to an avg. GWP for S-W conventional polyester powder product 4.39 kg/ CO2 eq. \*\*
- Powdura® ECO has a lower bake temperature compared to conventional powder products. This means approx. a 10 % energy saving for the customer



## Environmental Product Declaration – POWDURA® ECO<sup>1</sup>



Sherwin-Williams POWDURA® ECO Powder Coatings turn plastic waste into sustainable powder coatings. Each pound of powder coatings contains the recycled plastic content equivalent to sixteen - 16 oz—water bottles. Available currently in TGIC and TGIC-free polyester formulations with both in-stock and make-to-order products available, Powdura Eco powder coatings put waste to work.



*The product image to the right is an example of one of the formulas covered by the EPD. A list of all relevant POWDURA® ECO formulas is shown in Table 1 on page 2 of the EPD.*

Program Operator	NSF Certification, LLC
Declaration Holder	The Sherwin-Williams Company
Declaration Prepared by	Seth Jackson (sjackson@sherwin.com) Doug Mazeffa (douglas.p.mazeffa@sherwin.com)
Declaration Number	EPD10453

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\* Cradle to Gate

\*\* Link to the EPD : [EPD10454.pdf \(nsf.org\)](#) , [EPD10672.pdf \(nsf.org\)](#)

Disclaimer: Calculations derived from publicly available EPDs

# Policies to Support



**ECONOMIC INCENTIVE:** The EU should put in place a framework that provide tax incentives or subsidies on products with substantial lower environmental footprint to encourage businesses to move towards green premium alternatives.



**SAFE & SUSTAINABLE BY DESIGN:** The Powdura ECO case study is a great example to be shared for safe and sustainable by design, providing more confidence in the safety of chemical products as well as environmental benefits while accelerating the transition towards a circular economy and climate-neutral society.



**LIFE CYCLE ASSESSMENT:** The EU should continue to work on a framework to establish LCA methodologies assessing the environmental footprints for various product types to raise customer and consumer awareness.



THANK YOU