

CHEMISTRY THAT MATTERS™



SABIC SUSTAINABILITY JOURNEY

Corporate Sustainability Department



UN SUSTAINABLE DEVELOPMENT GOALS: WHO'S MAPPING AND WHY?

17 Goals to Transform Our World



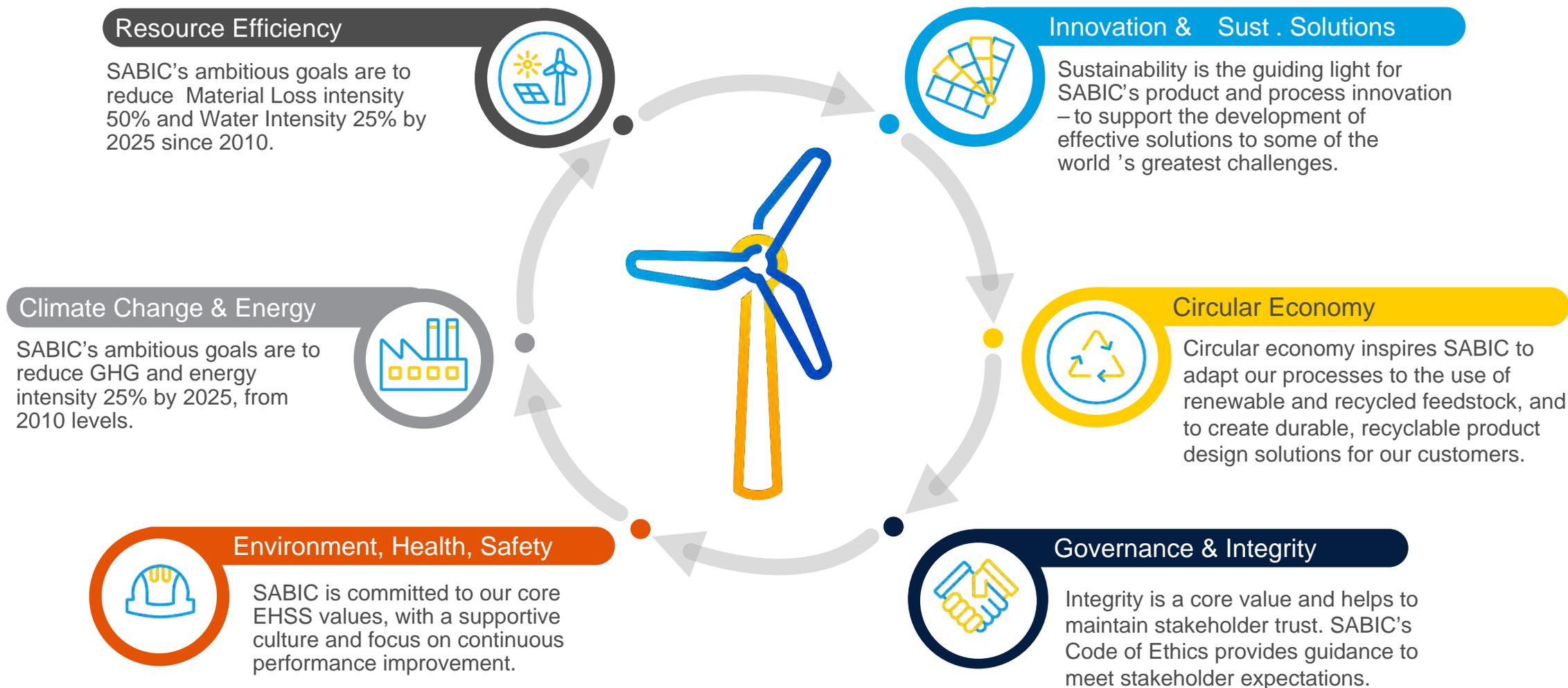
The SDGs provide us with a lens through which to translate global needs and ambitions into business solutions

10 SDG'S selected by SABIC



For business, the SDGs can help identify product demand, identify opportunities in emerging markets, manage risks and develop successful collaborations across the value chain – while helping to build a better, more stable operating environment and increasing public trust

STRATEGIC SUSTAINABILITY PRIORITIES DERIVED FROM MATERIALITY



* Baseline is year 2010 / Retain intensity targets 2010 -2025 based on external Sales

SABIC INNOVATION ECOSYSTEM BRIDGING THE GAP BETWEEN RESEARCH AND THE MARKETPLACE



RESEARCH



TECHNOLOGY
DEVELOPMENT



BUSINESS
DEVELOPMENT



ECONOMIC
IMPACT



40+

Licensed
Technologies
Globally



25+

SABIC Owned
Technologies



2000+

Scientists



1st

Saudi Industrial
Innovation hubs in
America, Asia, Europe
and MEA



46

Among 100 top
applications in
European patent
office – 2017



350+

Patents
Filings/Year



>500

SSP at many global
Universities



People



Capital



Demand



Innovation Infrastructure



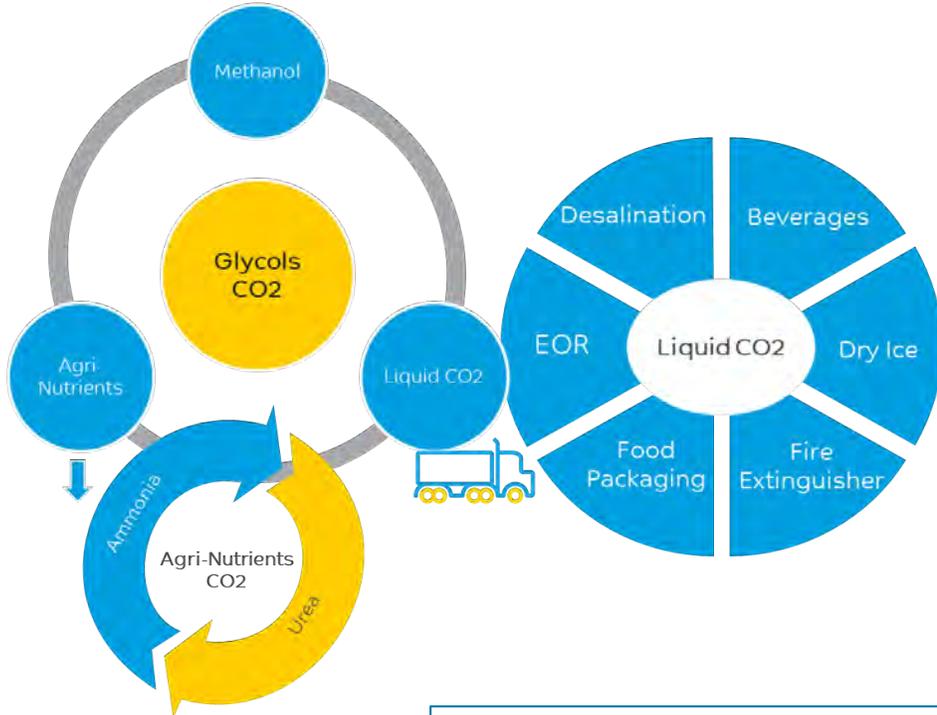
Connections, interconnections and mobility



From technology user to technology producer

INITIATIVES THROUGH TECHNOLOGY & INNOVATION

CIRCULAR CARBON ECONOMY



At the forefront of plastic waste management
 Founding member of the World Plastic Council and
 Alliance to End Plastic Waste

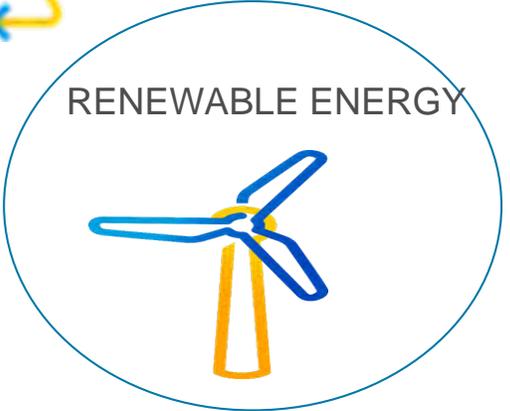
ICEHOUSE™

The Circular Economy utilizes product design with materials that contribute to energy conservation and are recoverable, reusable and recyclable.



TRUCIRCLE™

Plastic waste to feedstock for petrochemicals - Certified Circular polymers through chemical recycling



WORLD'S LARGEST CO₂ PURIFICATION AND LIQUEFACTION PLANT

BUILT AT SABIC'S AFFILIATE, UNITED

Supplying CO₂ for converting into valuable chemicals

- Urea
- Methanol
- Oxo-alcohol

For applications in the food and beverage industry

500,000 MT

annually of CO₂ can be purified



➤ Continues to recover more CO₂ as feedstock for valuable products such as urea, methanol and liquid CO₂ for the food industry

WEF INITIATIVE ON LOW CARBON EMITTING TECHNOLOGIES

- The Governors Community of Chemistry and Advanced Materials at the World Economic Forum kicked off in January 2019 the initiative of Low Carbon Emitting Technologies (LCET)
- SABIC CEO is one of the 12 WEF Governors
- The objective is to accelerate the development and upscaling of LCET for chemical production towards a marked reduction in greenhouse gas (GHG) emissions in the chemical industry
- Electrification is one of the clusters to address technology, regulatory, funding, market and collaboration challenges to accelerate their deployment.
- Renewable Energy is a pre-requisite for Electrification



TRUCIRCLE™ CASE STUDIES

TRUCIRCLE™: SABIC's new portfolio and services for circular solutions

↓
DESIGN
FOR
RECYCLABILITY



↓
MECHANICALLY
RECYCLED
PRODUCTS



↓
CERTIFIED
CIRCULAR
PRODUCTS



↓
CERTIFIED
RENEWABLE
PRODUCTS



CLOSING THE LOOP AND CREATING A CIRCULAR ECONOMY OF PLASTICS

ICE™ HOUSE AT THE WORLD ECONOMIC FORUM IN DAVOS



The Circular Economy utilizes product design with materials that contribute to conserve energy and are recoverable, reusable and recyclable.



ICE™ house –driving sustainable, cutting -edge building designs

CONSTRUCTION: Driving cutting -edge building designs

- 50% **energy savings** thanks to transparency and insulation
- 250% times impact resistance and ease to reuse: **durability**
- 50% weight savings: **resource efficiency**
- 100% **recyclable**



THANK YOU

