#### **CHEMISTRY THAT MATTERS™**



# KLIMAAT TRANSITIE IN DE PETROCHEMIE

**CBS - WEEK VAN DE GLOBALISERING** 

Leon Jacobs Director Sustainability Strategy - SABIC



#### SABIC AT A GLANCE





1976 Company established

79

US\$ bn

Total assets



32,000 Employees

around the world

17.8

US\$ mn

Net income



50 Countries of operations

US\$ bn

Annual revenue



212<sup>th</sup> Largest public company in the world\*



≈ 150

New products each year



Top 2 Chemical Brand Value\*\*

9,946

Global patent

filings



US\$ bn

Estimated Brand Value\*\*

4.017



68

World-class plants worldwide

## OUR KEY LOCATIONS: WHERE THE CHEMISTRY HAPPENS





MEA HEADQUARTERS (GLOBAL)

Riyadh, Kingdom of Saudi Arabia



**GREATER CHINA HEADQUARTERS** 

Shanghai, China



**EUROPE HEADQUARTERS** 

Sittard, The Netherlands



**REST OF ASIA HEADQUARTERS**Singapore



AMERICA HEADQUARTERS
Houston, TX, U.S.A.



**APPLICATION & DEVELOPMENT CENTER** 

20 Global Technology & Innovation Centers

### OUR KEY ACQUISITIONS: EXTENDING OUR CAPABILITIES



SABIC has acquired and integrated many successful companies, with three key acquisitions in the last 15 years:



2002

DSM Petrochemicals



2006
Huntsman Petrochemicals UK



2007
GE Plastics





#### **OUR BUSINESSES**

#### **BUSINESS PORTFOLIO**

#### **PETROCHEMICALS**



Glycols, Olefins, Oxygenates and Aromatics

Chemical Intermediates & Industrial Gases

Polyolefins

PC/Engineering Thermoplastics (ETP)

PVC, Polyester and Polystyrene

Specialty Polymers & Polymer Additives

Synthetic Rubbers

Sheet & Film

#### **SPECIALTIES**



Specialty Engineered Thermoplastics

**Specialty Compounds** 

**Advanced Composites** 

Additive Manufacturing

Thermosets and Additives

#### **AGRI-NUTRIENTS**



#### Nitrogen

Prilled Urea Granular Urea Ammonia

#### Phosphate

DAP and Dark DAP MAP

#### Specialty

NPK TGU

#### **METALS\***



#### Long Steel

Rebar Wire Rod Rebar in Coil

#### Flat Steel

Hot Rolled Coils Cold Rolled Coils Galvanized Rolled Coils Pre-painted Rolled Coils

<sup>\*</sup> Supplied under SABIC brand through Hadeed, a fully-owned SABIC Affiliate



#### FOCUSSING IN ON OUR PLASTIC VALUE CHAIN: THE ECO-EFFICIENCY OF PLASTICS

Plastics have a relative low carbon footprint compared to traditional materials. Examples of plastics solutions for a sustainable society







#### Automotive

 Plastics save 5-9 times more CO2 during their use phase then emitted for their production

#### Consumer Products

 PE packaging for a cucumber extends it's shelf life by up to 3 times

#### Energy

 7 times more energy is saved during the use of plastics than is required to produce them

#### Pipes & Fittings

 Plastic pipes prevent water losses by a factor of 8 and reduce installation costs by up to 60%

Per kg plastics used, on average, 2kg of CO2 emissions are avoided

#### سابک وزماہ*ؤ*

#### 4 SUSTAINABILITY PILLARS



ESG DISCLOSURES
ESG REPORTING

CIRCULAR ECONOMY
TRUCIRCLETM

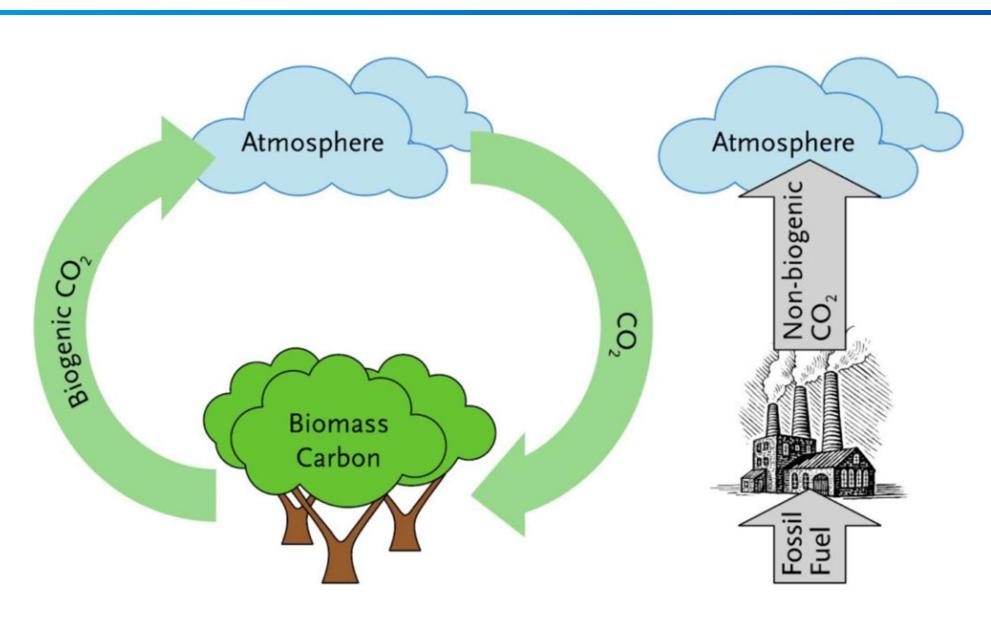
SOUND CHEMICALS

MANAGEMENT

SAFER CHEMISTRY

#### ىيابك وزداه*ۇ*

#### CLIMATE - WHAT IS HAPPENING



Millions of years stored CO2 is entering our atmosphere through Fossil Fuel, causing 1 Degree Celsius Temperature rise on earth since start of industrial revolution



#### SABIC CARBON NEUTRALITY STRATEGY ANNOUNCED DURING SAUDI GREEN INITIATIVE



"SABIC is uniquely contributing to the SGI goals and taking bold actions that support the Kingdom's ambitions for the circular carbon economy. Our global carbon neutrality strategy reaffirms our commitment to the Paris Agreement goals and the continuous pursuit of solutions that can reduce greenhouse gas emissions"

YOUSEF AL-BENYAN VC & CEO

# October 23, 2021 6:28 PM CEST Last Updated 23 days ago Saudi SABIC targets carbon neutrality by 2050 statement 2 minute read Reuters Oct 23 (Reuters) - Petrochemicals giant Saudi Basic Industries Corp (SABIC) (2010.SE) announced plans on Saturday to meet carbon neutrality by 2050, the company said in a statement on the sidelines of the Saudi Green Initiative summit.

#### SABIC CARBON NEUTRALITY STATEMENT

CARBON NEUTRALITY by 2050

in line with the Paris
Agreement goals

20% REDUCTION by 2030
Interim Scope 1&2 emissions target compared to 2018

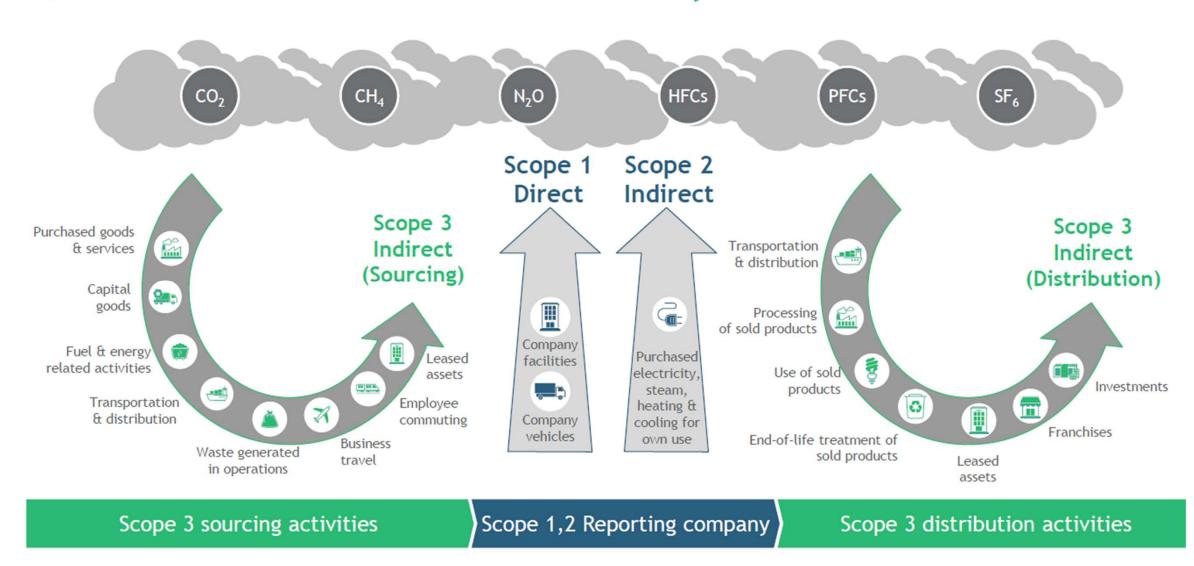
We aim to collaborate with our partners in initiatives to reduce indirect SCOPE 3 emissions along the value chain

https://www.reuters.com/business/cop/saudi-sabic-targets-carbon-neutrality-by-2050-statement-2021-10-23/



#### SCOPE 1, 2 AND 3 EMISSIONS

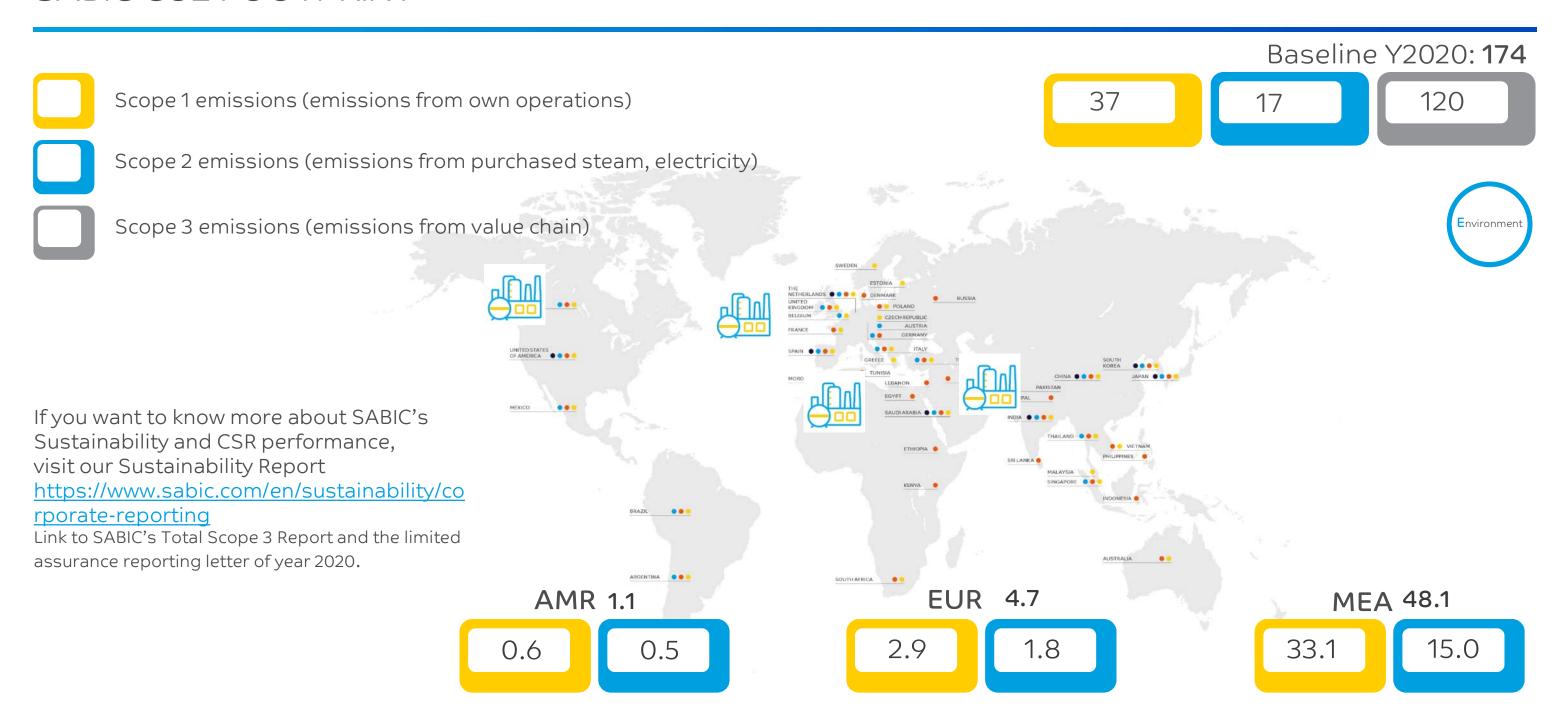
#### O GREENHOUSE is the basis for most standards today



CO2, Carbon dioxide; CH4, methane; N2O, Nitrous oxide; HCFs, Hydrofluorocarbons; PFCs, Perfluorocarbons; SF6, Sulfur hexafluoride Source: GHG protocol



#### SABIC CO2 FOOTPRINT





#### CIRCULAR AND CLIMATE CHANGE DRIVE A SUSTAINABLE CHEMICAL INDUSTRY



Climate Change Reduce, recycle & remove



Circular Economy and Climate Change to be integrated: Reduce, reuse, recycle & reduce Circular Economy Reduce, reuse & recycle





Energy Transition from fossil to non-fossil



Circular and Bio-feedstock: feedstock transition









Energy and Feedstock Transition will be integrated for a Sustainable Chemical Industry

#### ىسابك عنداه*ۇ*

#### THINK OF ...

# PREVENTING PLASTIC PACKAGING











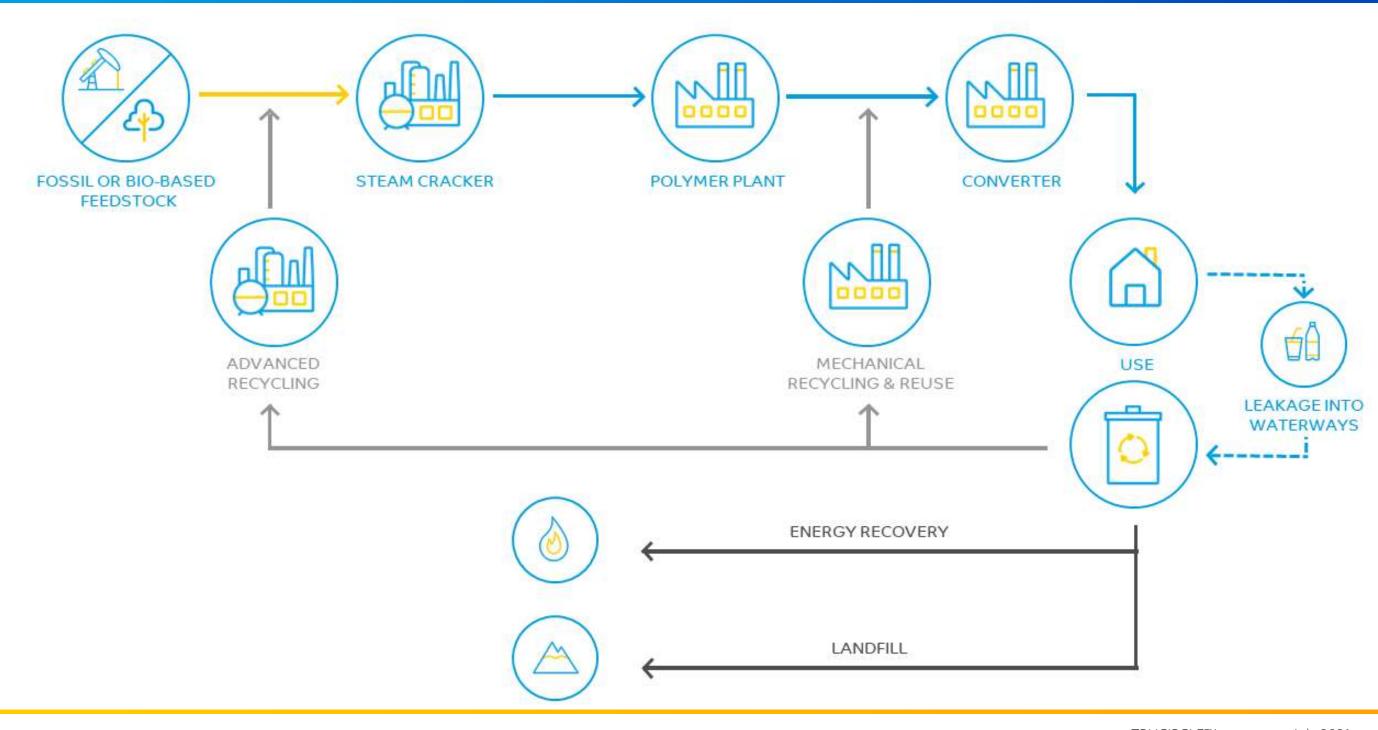






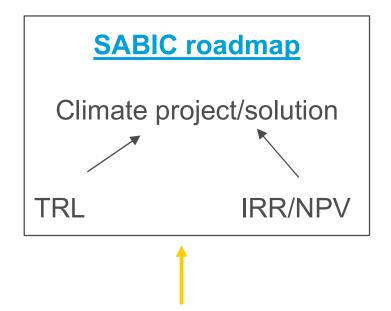
#### سابک وزداہ <u>ء</u>

#### THE CONCEPT "FROM LINEAR TO CIRCULAR"





#### CLIMATE TRANSITION COMPLEXITY



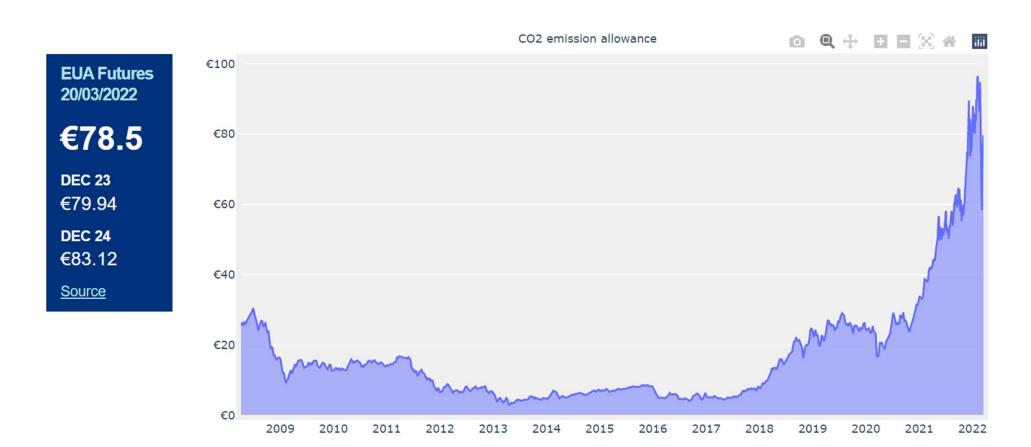
#### **Legislative uncertainties**

- Change over time
- Investment uncertainty

Carbon Cost uncertainty

#### **Qualifiers**

- Infra-Structure
- Permitting



#### ىسابك ەنداھ*ۇ*

#### COOPERATION ON CHEMELOT



- > In June 2020 Chemelot released its Strategy 2050
- > This document articulates how the site will transform from today grey electricity and fossil feedstock to a future renewable electricity and a combination of circular, renewable and fossil feedstock
- Lighthouse projects from various site users are mentioned including the Chemical Recycling for SABIC as tangible evidence of the transformation



