

CHEMISTRY THAT MATTERS™



SABIC'S CERTIFIED RENEWABLE POLYMERS, A TRUCIRCLE™ INITIATIVE

BIOPLASTIC CONFERENCE 2020 - DK
FEBRUARY 28TH, 2020

Bart Van Hoof
Global Marketing Manager

SABIC AT-A-GLANCE



1976

Company established



33,000

Employees around the world



50

Countries of operations



3rd

Largest global chemical company*



122nd

Largest public company in the world*

3.96

US\$ bn

Estimated Brand Value**

85

US\$ bn

Total assets

5.7

US\$ bn

Net income

45

US\$ bn

Annual revenue



≈ 150

New products each year



11,738

Global patent filings



64

World-class plants worldwide

TRUCIRCLE™: COMPLEMENTARY PILLARS TOWARDS CIRCULAR APPROACH

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



DESIGN FOR RECYCLABILITY

Tailor-made resins for the development of products that have improved recyclability characteristics



MECHANICALLY RECYCLED PRODUCTS

Compounds with high recycled content and booster resins for recycle containing compounds that improve processability and end-use properties



CERTIFIED CIRCULAR PRODUCTS

Virgin resins and chemicals from difficult to recycle plastic waste streams produced through feedstock recycling



CERTIFIED RENEWABLE PRODUCTS

Resins and chemicals from bio-based feedstock that is not in competition with the food chain and help to mitigate climate change

Maximize value for waste

Reduce use of fossil fuels

THE **SABIC AMBITION** IS TO DEVELOP THESE CIRCULAR SOLUTIONS BY WORKING SIDE BY SIDE WITH **BRAND OWNERS** AND OUR **DIRECT CUSTOMERS**

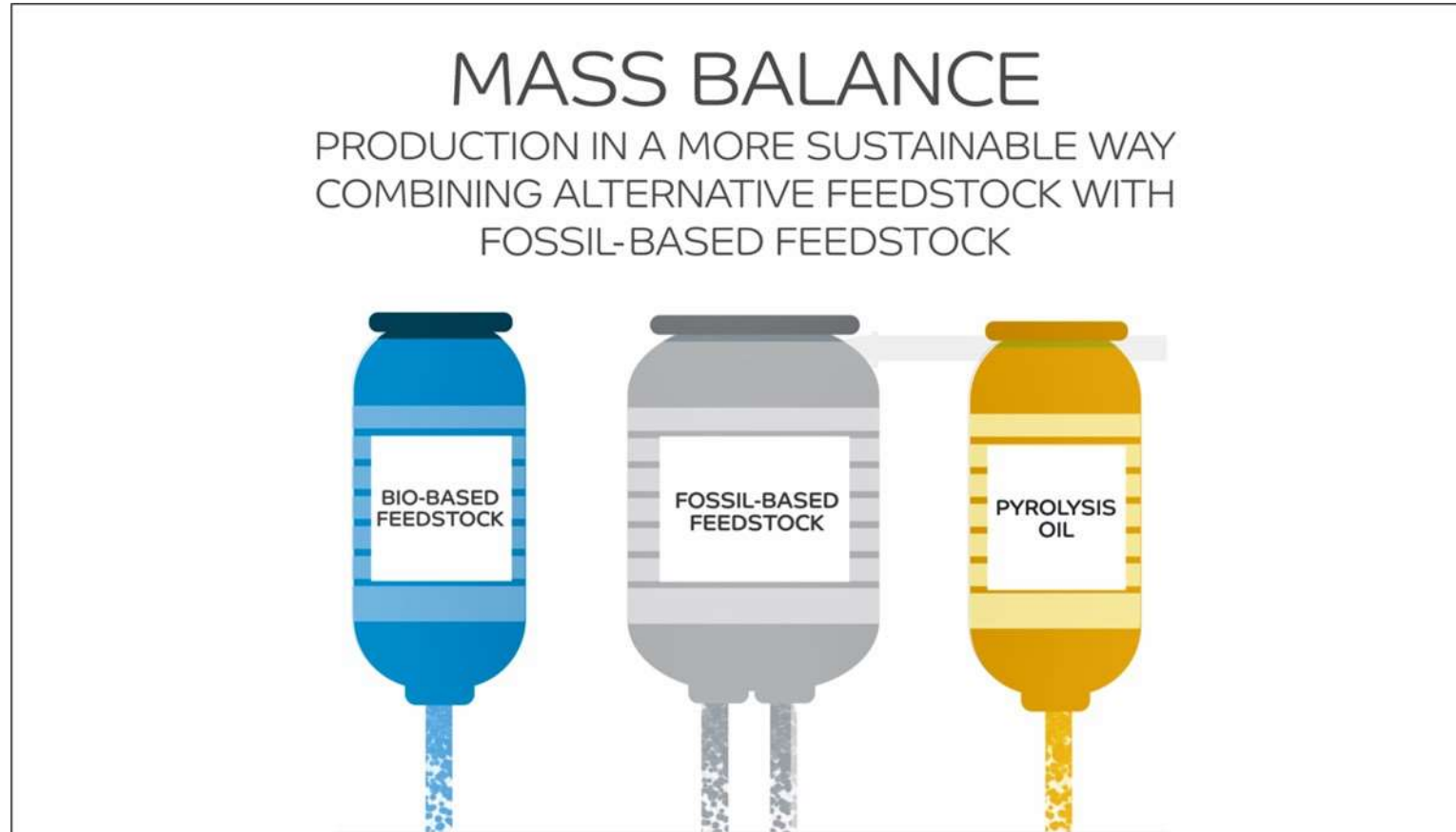


Circular Economy



Innovation & Sust. Solutions

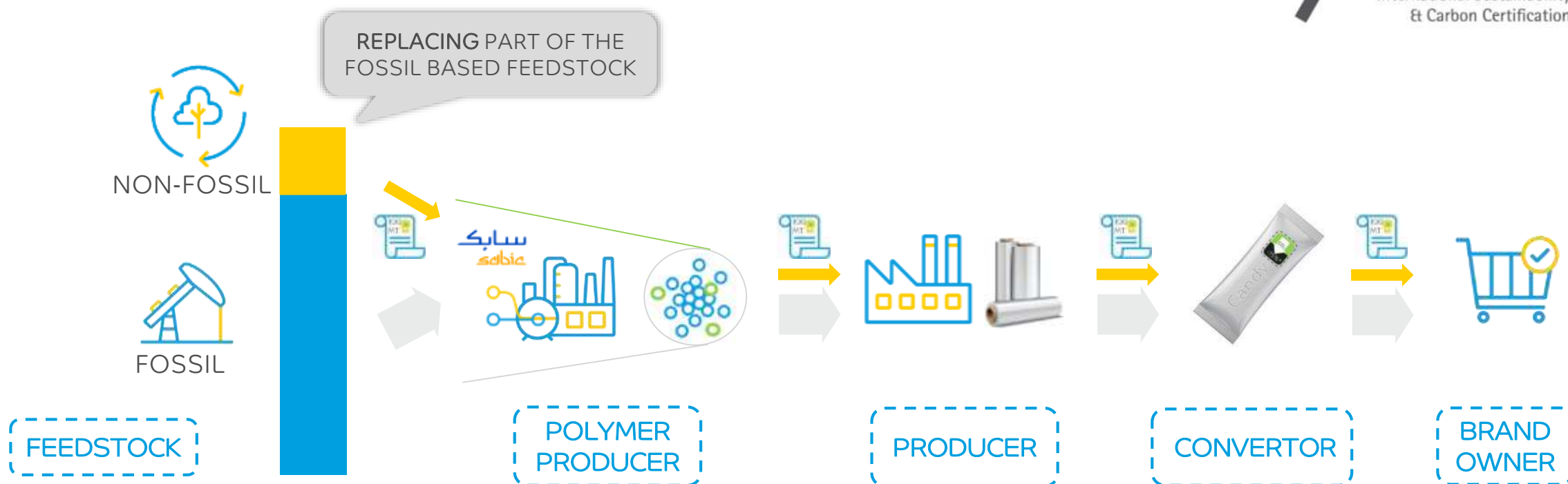
ACCEPTANCE OF THE MASS BALANCE CONCEPT IS A VITAL STEP



MASS BALANCE IS A SYSTEM WHERE THERE IS A CERTIFIED BALANCE BETWEEN THE AMOUNT OF 'INPUT MATERIAL' INTO A PROCESS AND THE AMOUNT OF 'OUTPUT MATERIAL' FROM THE PROCESS

CERTIFIED RENEWABLE SOLUTIONS FOR PE & PP

MASS BALANCE CHAIN OF CUSTODY



WHY IS IT THIS GOOD?

VALUE OFFER FOR SABIC'S CERTIFIED BIO-BASED RENEWABLE POLYMERS

- Replacing fossil based feedstock
- No compromise on product packaging safety
- 2nd generation renewable feedstock, not in competition with the food chain
- Identical product specifications to our current SABIC PE and PP portfolio (first renewable PP in the market)
- No modifications to production processes down-stream, hence no investments are required anywhere in the value chain
- Feedstock source has a lower carbon footprint compared to fossil alternative
- Recyclable



SABIC'S CERTIFIED RENEWABLE SOLUTIONS

POLYOLEFINS

Big portfolio of certified renewable PE and PP resins, mainly introduced in critical Food & Beverage applications.



POLYCARBONATE

SABIC is the first in the industry to launch PolyCarbonate based on second-generation certified renewable feedstock (*)

Application focus:

- Appliances
- Automotive



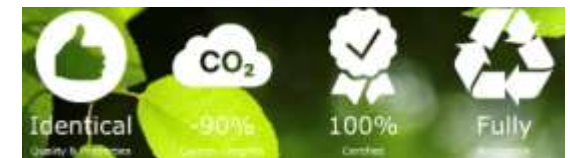
CHEMICALS

SABIC's certified renewable ethylene

- enabled the debut of certified sustainable acrylonitrile by AnQore on the global market



- supported Vynova to produce a range of bio-attributed PVC resins



(*) Only a part of the feedstock used in polycarbonate production is from renewable feedstock.

SABIC'S COMMITMENTS



1 DRIVING PERFORMANCE FOR CUSTOMERS

We push the limits of quality, efficiency, and performance to drive customer success



2 ENSURING LONG TERM DEPENDABILITY

We bring preparation and judgement to help lasting reliability



3 BUILDING VALUABLE RELATIONSHIPS

We collaborate closely to create opportunities for sustainable growth

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SABIC'S SUSTAINABILITY YOUTUBE CHANNEL



SABIC TRUCIRCLE

= short introduction to TRUCIRCLE initiatives

<https://www.youtube.com/watch?v=A1cCUCmGrmg>

SABIC'S VIRGIN POLYMERS FROM MIXED PLASTIC WASTE

= movie explaining certified circular polymers as SABIC's TRUCIRCLE™ solution

https://www.youtube.com/watch?v=qf_4jxcP2sY

SABIC – MASS BALANCE METHOD

= animation movie explaining mass balance chain of custody

<https://www.youtube.com/watch?v=-imvDD6i6Lo>

SABIC'S CERTIFIED CIRCULAR PRODUCTS THROUGH FEEDSTOCK RECYCLING

= attractor film from booth at K-show

<https://www.youtube.com/watch?v=REamRj4xXPs>

SABIC'S CERTIFIED CIRCULAR PRODUCTS FROM MIXED PLASTIC WASTE

= 2D animation movie explaining chemical/feedstock recycling

<https://www.youtube.com/watch?v=WbEh2NtLrb0>

YOUTUBE SUSTAINABILITY CHANNEL SABIC

<https://www.youtube.com/playlist?list=PLvrbA1nA2I8oQYw0o-xq16Qou4cNLeU69>

