

# BRASKEM DAY 24



Braskem 

## **DISCLAIMER REGARDING FORWARD-LOOKING STATEMENTS**

- ▶ This presentation may contain forward-looking statements. These statements are not historical facts and are based on the Company's current vision and estimates of the Company's management regarding future economic and other circumstances, industry conditions, performance and financial results, including any potential or projected impact related to Alagoas and related legal proceedings on the Company's business, financial condition and operating results. The words "foresee", "believe", "estimate", "expect", "plan", "objective" and other similar expressions, when referring to the Company, are intended to identify forward-looking statements. Statements regarding the possible results of legal and administrative processes, implementation of operations and financing strategies and investment plans, orientation of future operations, the objective of expanding its efforts to achieve the macro sustainable objectives disclosed by the Company, as well as factors or trends affecting the Company's financial condition, liquidity, or operating results are examples of forward-looking statements. Such statements reflect the current views of the Company's management and are subject to various risks and uncertainties, many of which are beyond the Company's control. There is no guarantee that the expected events, trends, or results will actually occur. The statements are based on various assumptions and factors, including, but not limited to, general economic and market conditions, industry conditions, operational factors, availability, development, and financial accessibility of new technologies. Any change in such assumptions or factors, including the projected impact related to Alagoas and related legal proceedings and the unprecedented impact on the Company's businesses, employees, service providers, shareholders, investors, and other stakeholders, may cause actual results to be significantly different from current expectations. Consult the reports filed with the Securities and Exchange Commission - CVM, in particular the factors discussed in the sections for a full discussion of risks and other factors that may impact any forward-looking statements contained in this document. This presentation is not an offer of securities for sale in Brazil, any securities cannot be offered or sold in Brazil without registration or exemption from registration, any public offering of securities to be made in Brazil will be prepared by means of a prospectus that can be obtained from Braskem and which will contain detailed information about Braskem and the management, as well as the financial statements.
- ▶ This presentation was updated as of **November 24, 2024**, and Braskem does not assume any obligation to update it in light of new information and/or future developments.
- ▶ Braskem undertakes no liability for transactions or investment decisions made based on the information in this presentation.

# AGENDA

## PRESENTATIONS

Opening

Growth Avenues

Business Units

Brazil/South America

USA & Europe

Mexico

Green PE bio-based

Alagoas Event

Financial Results

Strategic Direction

Final Remarks

Q&A

## PRESENTERS

Roberto Bischoff

Roberto Bischoff

Isabel Figueiredo

Mark Nikolich

Stefan Lepecki

Walmir Soller

Pedro Freitas

Pedro Freitas

Rosana Avolio

Roberto Bischoff

All

# BRASKEM DAY 24

# OPENING

**Roberto Bischoff**

Business Leader

## OPENING

Braskem is a global petrochemical player, being the largest producer of thermoplastic resins in the Americas and a reference in the biopolymers market

## GLOBAL COMPANY

**40** INDUSTRIAL  
UNITS  
IN 4 COUNTRIES

**14** COMMERCIAL  
OFFICES  
*LATAM, NAM, Europe and Asia*

CLIENTS IN MORE THAN  
**70** COUNTRIES

## LEADER IN THE REGIONS WHERE IT OPERATES

**#1** LARGEST  
GLOBAL  
PRODUCER OF  
BIOPOLYMERS

**#1** PRODUCER OF  
PE, PP AND PVC  
IN THE AMERICAS

**#1** PP Producer in  
North America  
**#1** PE, PP and PVC  
Producer in Latin America



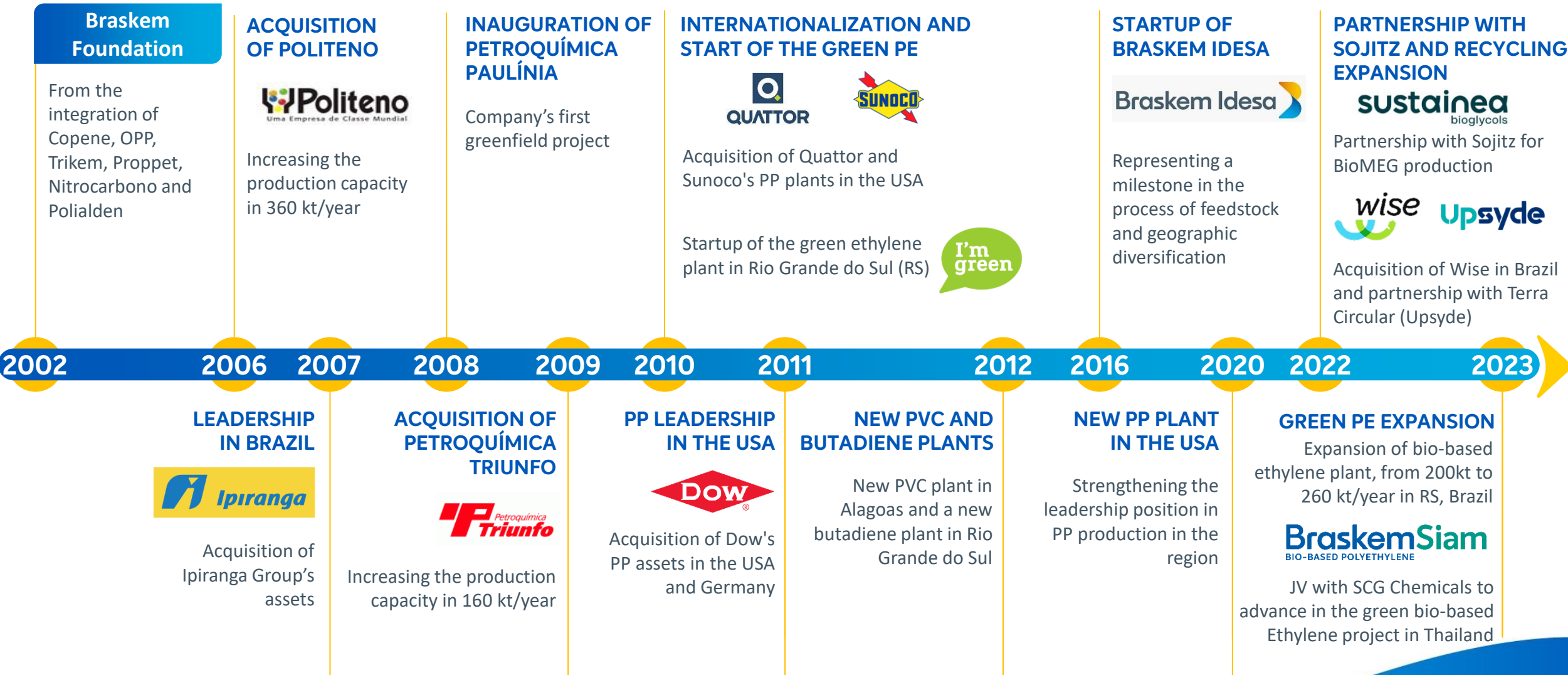
## FINANCIAL HIGHLIGHTS

Recurring EBITDA  
**US\$2.8** BILLION  
(cycle average)<sup>1</sup>

Operating cash generation<sup>2</sup>  
**US\$2.1** BILLION  
(cycle average)<sup>1</sup>

## OPENING

# With 22 years of history, Braskem has a successful track record of organic and inorganic growth driven by its internationalization strategy over the years

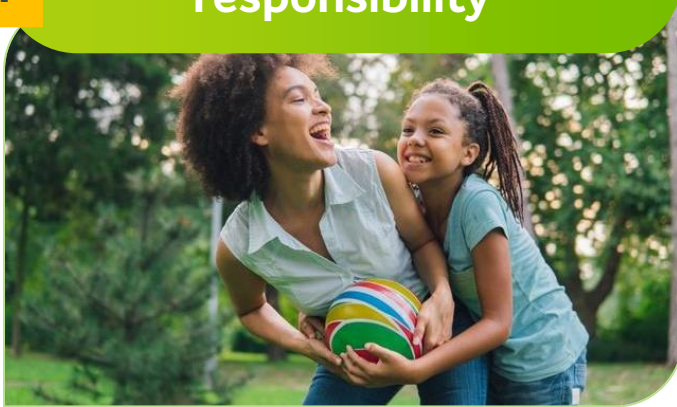


# Additionally, at the end of 2020, Braskem renewed its commitments to sustainable development considering global challenges and trends

## Braskem's Sustainability Pillars

1

### Human rights and social responsibility



To be recognized as a company that promotes **HUMAN RIGHTS AND EQUITY** in our value chain and contribution to the local development of surrounding communities

2

### Elimination of plastic waste



We want to be recognized as a company that develops **THE RECYCLING VALUE CHAIN** in the regions where we operate

3

### Combating Climate Change



To be a **GLOBAL** reference in the **SECTOR** through the production of materials with renewable feedstock

## OPENING

Braskem has become one of the world's leading petrochemical companies, with 77 production lines in 4 countries, ensuring customer service in more than 70 countries

### GLOBAL COMPANY



### Production capacity by region:

- [Yellow Pin Icon] Ethylene: 3,752 kt/year  
Green ethylene: 260 kt/year  
PE: 3,201 kt/year  
PP: 1,850 kt/year  
PVC: 710 kt/year  
Other Chemicals: 6,576 kt/year
- [Red Pin Icon] PP: 625 kt/year
- [Blue Pin Icon] PP: 2,021 kt/year
- [Orange Pin Icon] PE: 1,050 kt/year

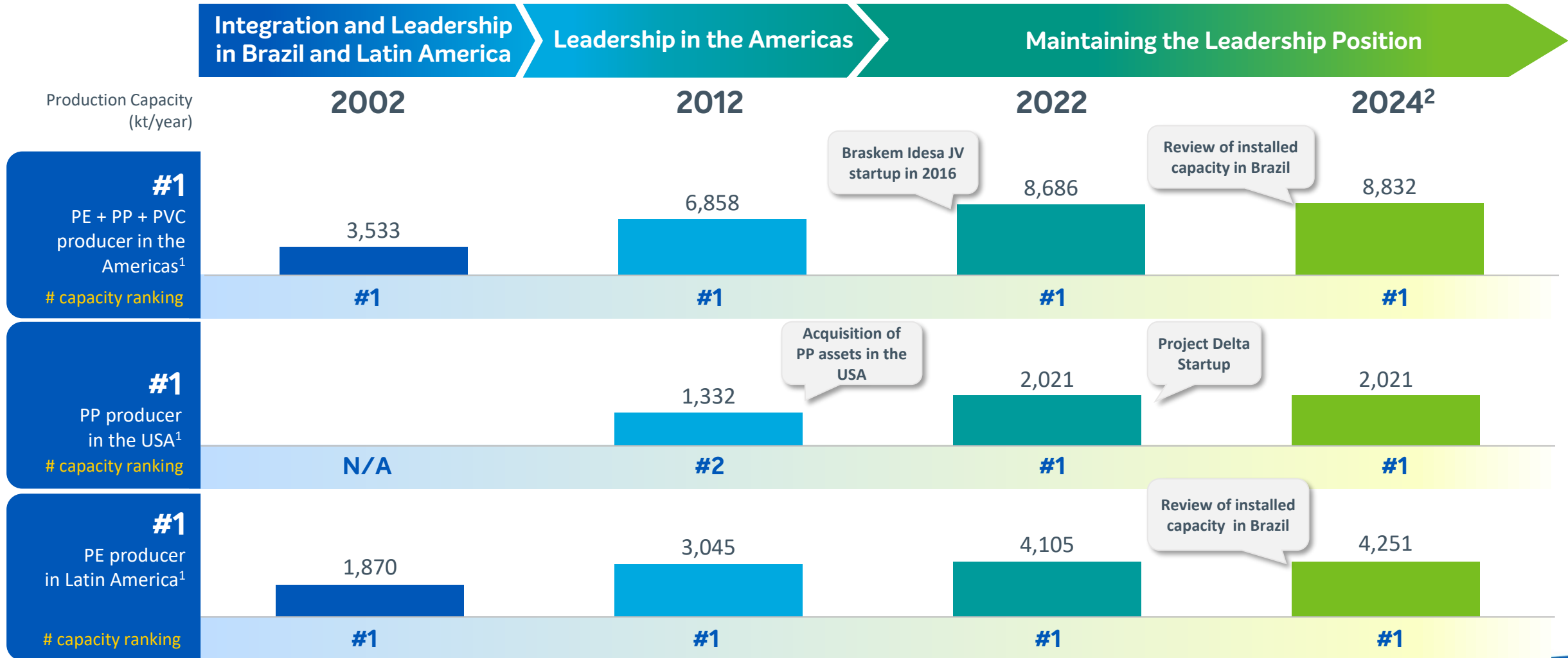
### Legend

- [Commercial Office Icon]  
COMMERCIAL OFFICE
- [Representative Office Icon]  
REPRESENTATIVE OFFICE
- [Industrial Plant Icon]  
INDUSTRIAL PLANT
- [Innovation Center Icon]  
INNOVATION CENTER



## OPENING

Throughout its history, Braskem has achieved high standards of size and scale, which are fundamental characteristics to compete globally



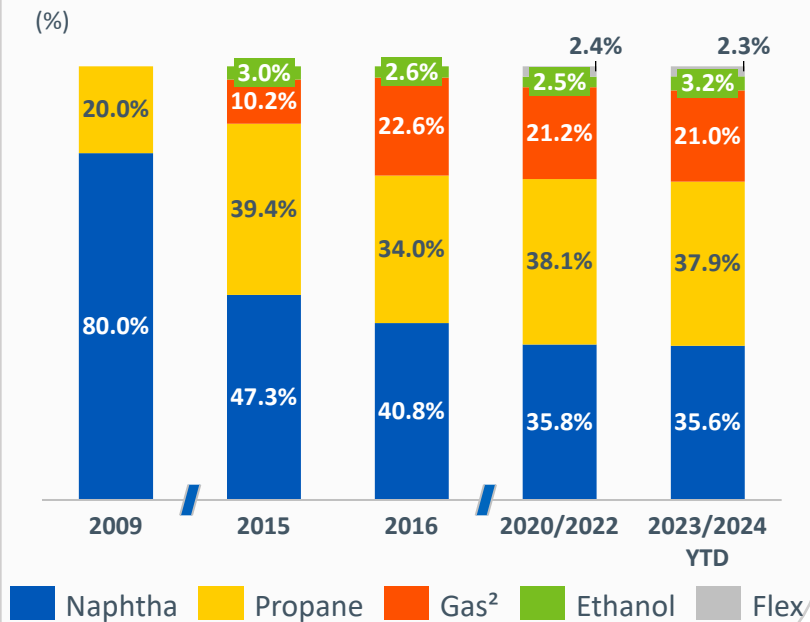
## OPENING

Braskem has been moving towards a more balanced feedstock profile, reducing its exposure to naphtha over the years; while expanding its geographical presence, from 100% EBITDA from Brazil in 2009 to ~58%<sup>1</sup> in 2024

### FEEDSTOCK

Higher exposure to competitive Feedstocks

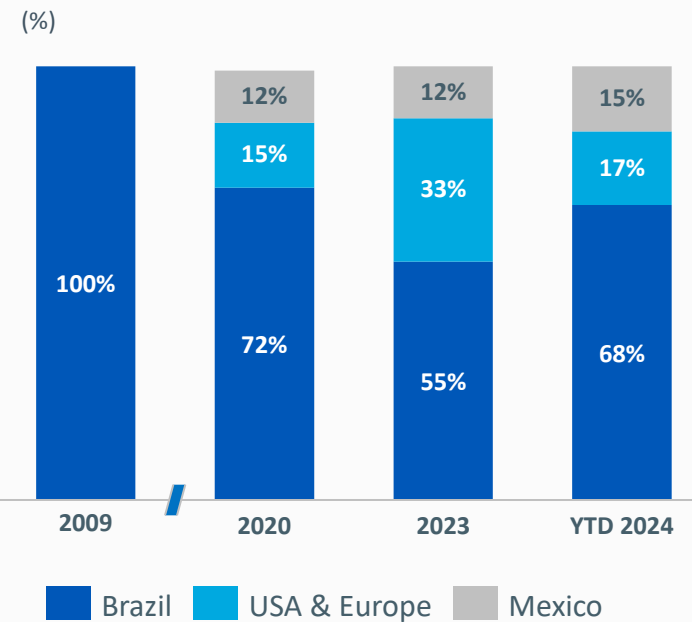
FEEDSTOCK PROFILE BY PRODUCTION CAPACITY



### GEOGRAPHICAL FOOTPRINT

Lower exposure to a particular economy

RECURRING EBITDA BY REPORTABLE SEGMENT



Historically, ~10% of exports within the Brazil segment

### PRODUCTS

Portfolio with more than 100 products<sup>3</sup> including commodities and specialties



**RESINS:** PE, PP and PVC



**OLEFINS AND AROMATICS:** Ethylene, Propylene, Butadiene, Butene, Benzene, Cumene, Orthoxylene, Paraxylene



**I'M GREEN™ BIO-BASED:**

- Bio-based PE
- Bio-based EVA
- PE wax Bio-based

PIONEER IN BIOPOLYMERS



**CIRCULAR PRODUCTS:** Resins and chemicals with recycled content



**SPECIALTIES:** Hydrocarbon Resins (Unilene®), PIB, Heavy Olefins (Nonene and Tetramer), Isoprene and C5s chains, Waxes

## OPENING

Braskem's Corporate Strategy integrates the strategic pillars, prioritizing investments through its growth avenues, with the goal of creating value for all its shareholders

# CORPORATE STRATEGY

## STRATEGIC PILLARS

 **Productivity and Competitiveness**

 **Sustainability**

 **Growth & Diversification**

 **Innovation**

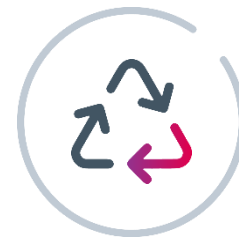
## GROWTH AVENUES



TRADITIONAL BUSINESS



BIO-BASED



RECYCLING



SHAREHOLDERS VALUE CREATION

AND POSITIVE IMPACT GENERATION FOR ALL STAKEHOLDERS

## FOUNDATION

 **SAFETY**

 **PEOPLE AND CULTURE**

 **GOVERNANCE**

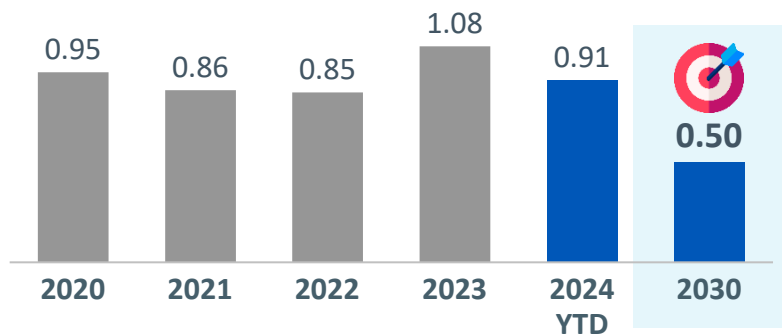
## OPENING

The Corporate Strategy foundation reflects the non-negotiable values that the Company consistently practices and that are fundamental to ensuring the achievement of its long-term goals

### SAFETY

#### ACCIDENT RATE WITH AND WITHOUT LOST TIME

(1MM/HHT<sup>2</sup>)



In line with the rate of the main industry peers<sup>2</sup> of 0.96

#### Human Reliability Program

Promotes organizational safety with procedures, training, and technologies that anticipate risks

#### Safety Moment

Promotes awareness of the importance of staying aware of risks and how to avoid them

#### Social and Environmental Risk Assessment

Aims to mitigate priority risks in industrial units, focused on quality of life and communities protection

### PEOPLE AND CULTURE

#### OUR CORE VALUES

##### We believe in people and their development potential

For us, respect is non-negotiable. We value a healthy, safe, diverse and inclusive environment, in which each member can be who they are and develop their full potential

##### We value trusting relationships and practice planned delegation

We value true relationships in a collaborative environment, where we act with honesty and integrity. We believe in leader-follower relationships, between peers and between areas. Therefore, we give people autonomy to practice the PA Cycle and overcome challenges, with an eye on Braskem's integrated results

##### We operate with a focus on results and the satisfaction of our customers

We are responsible for leading our business. We enhance results for all our stakeholders, serving our customers, through safe and responsible action and sustainable innovation

#### VALUE PROPOSITION



Our human-focused culture encourages each individual to be the **protagonist of their own journey**, inside and outside the company, from internship to post-career.

## OPENING

Finally, considered as an essential strategic pillar, Innovation positions itself as a lever for the Company in implementing its commitments to sustainability and excellence



### INNOVATION FIELDS



**CIRCULAR PLASTIC ECONOMY  
ADVANCE**



**FOSTER A CARBON NEUTRAL  
FUTURE DRIVEN BY INDUSTRIAL  
EFFICIENCY**



**PROMOTE THE BIO REVOLUTION  
OF NEW MATERIALS AND INVEST  
IN RENEWABLE SOURCES**



**IMPROVE THE CURRENT  
PRODUCTS PORTFOLIO AND  
SOLUTIONS**

### BRASKEM'S INNOVATION PLATFORM

#### 1 RENEWABLES INNOVATION CENTER

 **Lexington** – Unites States

#### 1 BIOTECHNOLOGY DEVELOPMENT CENTER

 **Campinas** - Brazil

#### 2 TECHNOLOGY AND INNOVATION CENTERS

 **Triunfo** - Brazil

 **Pittsburgh** – United States

#### 2 POLYMER TECHNICAL CENTERS

 **Wesseling** – Germany

 **Coatzacoalcos** - Mexico

#### 1 PROCESS TECHNOLOGIES DEVELOPMENT CENTER

 **Mauá** - Brazil

#### 7 POLYMERIZATION PILOT PLANTS

 **Triunfo e Camaçari** - Brazil



## RESULTS<sup>1</sup>

**R\$554**  
*million*

**INVESTED IN  
RESEARCH AND  
DEVELOPMENT**

**20**  
*new patent*

**APPLICATIONS  
AND 87 EXTENSIONS**

**11%**  
*of sales*

**NEW PRODUCTS  
DEVELOPED IN THE  
LAST 5 YEARS**

**+450**  
*clients*

**SUPPORTED  
BY THE INNOVATION AND  
TECHNOLOGY TEAM**

# GROWTH AVENUES

**Roberto Bischoff**

Business Leader

## GROWTH AVENUES

Braskem's future is built on three growth avenues, designed to create value through a balanced allocation of capital and return value to all shareholders

## GROWTH AVENUES



### Traditional Business

Optimize the profitability of the traditional business through high financial return investments with a sustainable impact.



### Bio-based

Strengthen our leadership position by developing new renewable solutions



### Recycling

To be worldwide recognized as a company that develops the recycling value chain in the regions where it operates

### CORPORATE STRATEGY

Build the path to being a leader in sustainability with a focus on circular and renewable-source products, decarbonization, and selective fossil investments

The traditional business growth is based on selective high-value-added investments and a focus on decarbonization, so that Braskem can meet its 2030 and 2050 goals



## Traditional Business

- ▶ In line with the prospect of **demand growth** for petrochemical products in the coming decades, Braskem will continue to maximize the profitability of the traditional business through selective investments with high financial returns, including improvements in productivity and competitiveness
- ▶ In addition, Braskem will maintain its **focus on the decarbonization of its assets** to achieve the reduction of CO<sub>2</sub>e emissions and **achieve neutrality by 2050**



### AMBITIONS SET IN 2022

- ▶ Grow the current business through selective **investments**, including **optimizing productivity and competitiveness**
- ▶ **Decarbonize** current assets



### GOALS SET FOR 2030 AND 2050

- ▶ **Reduce scope emissions<sup>1</sup> 1 and 2 by 15% by 2030** and achieve **carbon neutrality by 2050**



# Braskem has developed the industrial decarbonization program in 2021 and since then it has achieved important results in reducing emissions and gaining competitiveness<sup>1</sup>



**Braskem's Industrial Decarbonization Program** aims to develop the strategy and action plan for implementing initiatives that promote a 15% reduction in absolute GHG<sup>2</sup> emissions (scopes 1 and 2) by 2030, based on the Company's carbon inventory

## PILLARS

### CULTURE AND PROCESS

- Developing of an industrial mindset focused on GHG emissions
- Strengthening governance and processes oriented towards Company management considering potential GHG emissions
- Development of solutions through techno-economic partnerships

### LINES OF ACTION

#### CONTINUOUS IMPROVEMENT

**Operational Initiatives** with low or no investment, with the goal of reducing greenhouse gas emissions

#### ENERGY EFFICIENCY

Initiatives for **energy optimization and integration** of industrial processes with investments

#### ELECTRIFICATION

**Electrification of energy-intensive equipment** by replacing the use of fossil fuels with renewable electrical energy

#### ENERGY MATRIX

Increase the share of **electrical energy and low-carbon fuels** in Braskem's energy matrix

#### CARBON CAPTURE

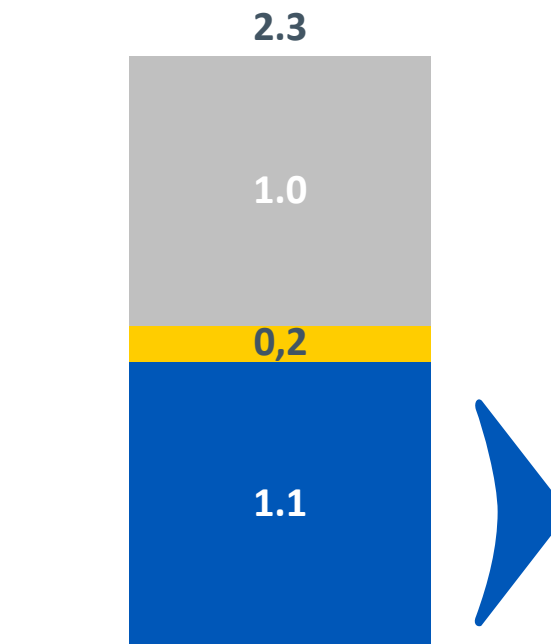
Capture GHG emissions from Braskem's main emitting industrial assets **for use or carbon storage**

## GROWTH AVENUES

Braskem has already achieved a reduction potential of ~1.1 MMt CO<sub>2</sub>e with the initiatives in operation, which are part of the 51 prioritized initiatives<sup>1</sup> in the current roadmap with a reduction potential of ~2.3 MMt CO<sub>2</sub>e

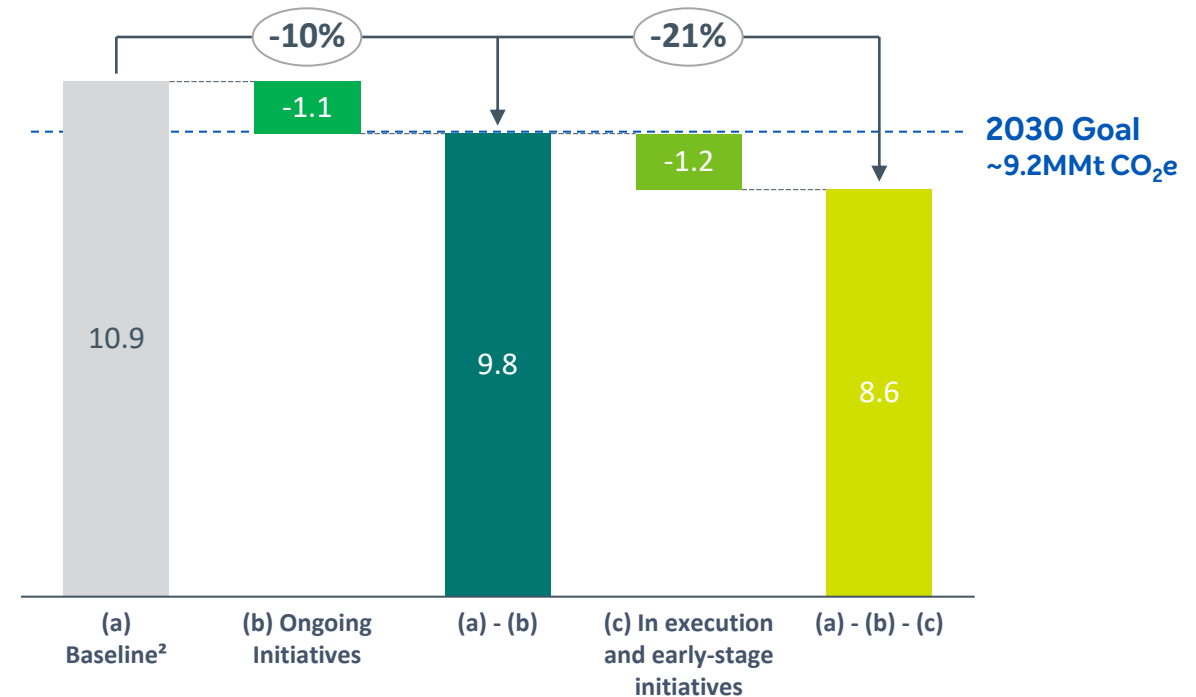
### CO<sub>2</sub>e REDUCTION ROADMAP - 2030

(in MMt CO<sub>2</sub>e/year) ■ Early Stage ■ In execution ■ In operation



- **Continuous Improvement** (55%)
- **Energy Matrix** (31%)
- **Electrification** (7%)
- **Energy efficiency** (6%)

### SCOPE 1 AND 2 EMISSION REDUCTION POTENTIAL AFTER ROADMAP IMPLEMENTATION






The prioritized initiatives are essential for Braskem to achieve the 2030 objective of reducing 15% of scope 1 and 2 CO<sub>2</sub>e emissions (considering existing assets)

Source: Braskem. Note: The achievement of the long-term objectives disclosed by the Company (within the projected costs and expected deadlines) are also subject to risks that include, but are not limited to advancement, availability, development and accessibility of the technology necessary to achieve them. Note (1): The technical and economic feasibility of all prioritized initiatives will be confirmed before the implementation decision. Note (2): Regarding the average emissions for the years 2018, 2019 and 2020.

## GROWTH AVENUES

# Braskem remains focused on implementing initiatives and project studies in all of its segments to achieve its 2030 emissions reduction goal

### EXAMPLES OF INITIATIVES UNDER EXECUTION AND IN OPERATION

SEGMENT	INICIATIVE / POTENTIAL EMISSION REDUCTION
 <b>BRAZIL</b>	<ul style="list-style-type: none"> <li>➤ <b>Renewable energy contracting</b> <ul style="list-style-type: none"> <li>● PPA: 2 contracts in operation</li> <li>● Self-production: 3 contracts in operation and 1 under construction</li> </ul> </li> <li>➤ <b>Vesta Project (SP)</b> <ul style="list-style-type: none"> <li>● Cogeneration and motorization</li> </ul> </li> <li>➤ <b>Biomass Project (AL)</b> <ul style="list-style-type: none"> <li>● Steam Supply (Veolia)</li> <li>● Compressor electrification</li> </ul> </li> </ul> <p><b>185</b> ktonCO<sub>2</sub>e/year</p> <p><b>100</b> ktonCO<sub>2</sub>e/year</p> <p><b>150</b> ktonCO<sub>2</sub>e/year</p>
 <b>USA &amp; EUROPE</b>	<ul style="list-style-type: none"> <li>➤ <b>Renewable energy contracting</b> <ul style="list-style-type: none"> <li>● USA: 25% of electrical energy consumed</li> <li>● Europe: 100% of electrical energy consumed in Germany</li> </ul> </li> </ul> <p><b>185</b> ktonCO<sub>2</sub>e/year</p>
 <b>MEXICO</b>	<ul style="list-style-type: none"> <li>➤ <b>Energy efficiency projects</b> <ul style="list-style-type: none"> <li>● Implementation of energy optimization systems</li> </ul> </li> </ul> <p><b>65</b> ktonCO<sub>2</sub>e/year</p>

LEGEND: ● INITIATIVE IN OPERATION ● INITIATIVE UNDER CONSTRUCTION

### EXAMPLES OF UNDER STUDY PROJECTS

#### ELECTRICAL RELIABILITY

- Use of **large batteries in RS** to reduce fossil electrical generation without loss of reliability

#### ELECTRIFICATION

- Implementation of an **electric boiler that uses renewable energy** to produce steam, **replacing fossil fuel**

#### RENEWABLE ENERGY SOLUTIONS

- **Develop new renewable energy solutions** (e.g., biomass) to enable the replacement of fossil fuels

#### LOW CARBON HYDROGEN

- Using **low-carbon hydrogen** as a solution to produce **sustainable low-carbon products**

#### CARBON CAPTURE

- **Capturing GHG emissions** from our industrial assets

**The projects currently under study total a potential reduction of +1 MMtCO<sub>2</sub>e/year**

## GROWTH AVENUES

For the traditional business growth avenue, the goal is to grow selectively through high-value investments, in addition to decarbonizing current assets

In Brazil, the “Gás para Empregar” project brings an opportunity for the national petrochemical industry

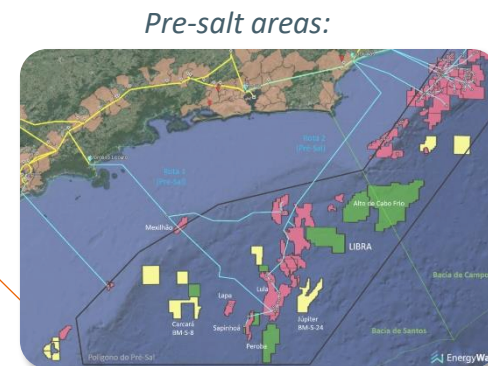
(Information from the “Gas para Empregar” project)

- The project will define reinjection criteria, which could stimulate the Brazilian industrial sector
- The National Government goal is to increase the availability of natural gas for the national production of nitrogen fertilizers, petrochemical products and other productive sectors, reducing external dependence on strategic inputs for national production chains



New opportunities can support the project to expand production capacity in Rio de Janeiro

- New feedstock alternatives in Brazil through LNG<sup>1</sup> opportunities on new pre-salt routes from 2028 to supply Braskem units
- Changes in the legal framework and the deregulation of the Natural Gas market should attract **more competitiveness to the Brazilian market**
- Part of the LNG<sup>1</sup> could be directed to the RJ complex, enabling its expansion



DIFERENCIAL  
CASH COST

~US\$500/ton

# A pioneer in the production and commercialization of Green PE, Braskem has set the goal of expanding its production capacity of bioproducts to 1MMt by 2030



## Bio-based

- ▶ From the global emissions perspective, Braskem understands that **bio-based products are an important solution for the petrochemical industry towards carbon neutrality**, as they remove and retain carbon of biogenic origin for decades, acting as long-term inventories of this carbon
- ▶ **Braskem is a pioneer and the largest producer of biopolymers in the market**, and will continue to strengthen its position with the development of new renewable solutions, **leveraging the unique attributes that bring us differentiation and resilience in the face of petrochemical cycles**



### AMBITIONS SET IN 2022

- ▶ Grow **its green product portfolio, ensuring global leadership**
- ▶ Increasing the use of **renewable feedstock**



### GOAL SET FOR 2030

- ▶ Expand the production capacity of **products with green content to 1MMt by 2030**

## GROWTH AVENUES

For the bioproducts business, Braskem aims to expand its product portfolio by leveraging its global pioneering status and strategic differentiators

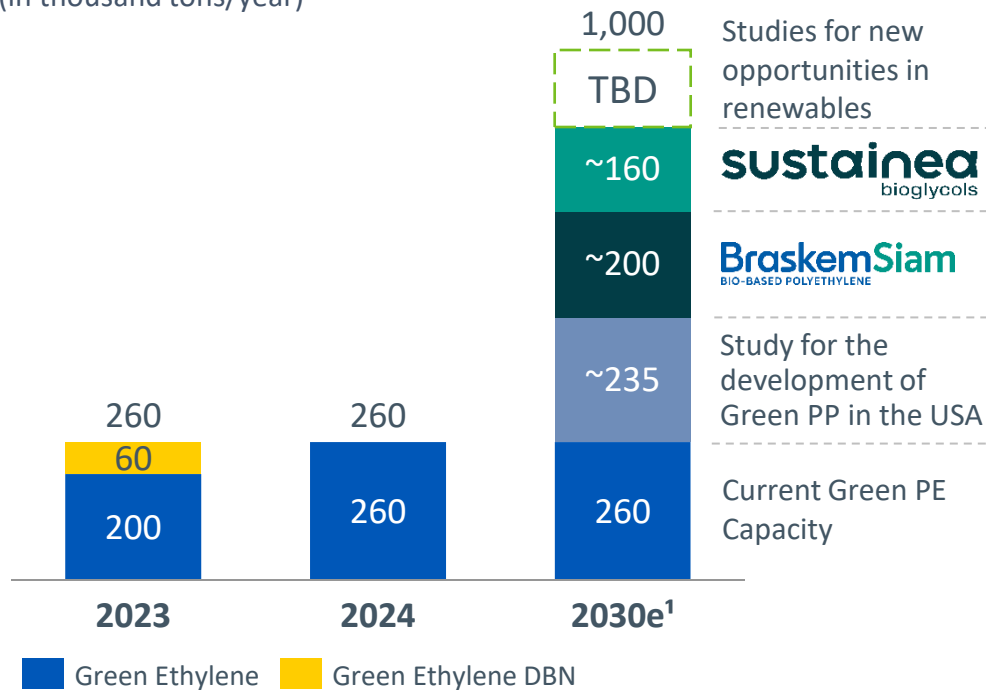
## BIOPRODUCTS



**Objective:** expand bioproducts production capacity to 1 million tons by 2030

### Bioproducts Production Capacity

(in thousand tons/year)



### ONGOING INITIATIVES

**BraskemSiam**  
BIO-BASED POLYETHYLENE  
Joint-venture with **SCGC**

Contract for FEED<sup>2</sup> with Tokyo Engineering to develop basic engineering and CAPEX estimation for Green Ethylene plant in Thailand

**sustained**  
bio glycols  
Joint-venture with **sojitz**

Production and commercialization of monoethylene glycol from renewable feedstock (bioMEG), subject to approval of the technology

**New renewables innovation center in the United States**

Investment of approximately US\$20 million to accelerate research related to chemicals and renewable materials, expanding capacity in the areas of biotechnology, catalysis and process engineering

**Licensing of green ethylene technology**  
Partnership with **LUMMUS TECHNOLOGY**

Partnering to develop and license the technology of Braskem for the green ethylene production

**Partnerships with Universities**

Development of technological routes for higher value-added products

**EXPECTED VALUE CAPTURE**

**EBITDA ~US\$600-800 MM**

To be recognized globally as a company that develops the recycling value chain, Braskem has the goal to expand the portfolio of resins and chemical products with recycled content to 1MMt/year by 2030



## Recycling

- ▶ Braskem wants to be recognized as a company that promotes the recycling value chain, operating from the development of new products to consumer engagement, contributing to sustainable development



### AMBITIONS SET IN 2022

- ▶ Grow in **circular products**  
(mechanical recycling)
- ▶ Increase the use of **circular feedstock**  
(chemical recycling)

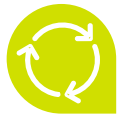


### GOAL SET FOR 2030

- ▶ Expand **the portfolio of products with recycled content to 1MMt/year** by 2030

## GROWTH AVENUES

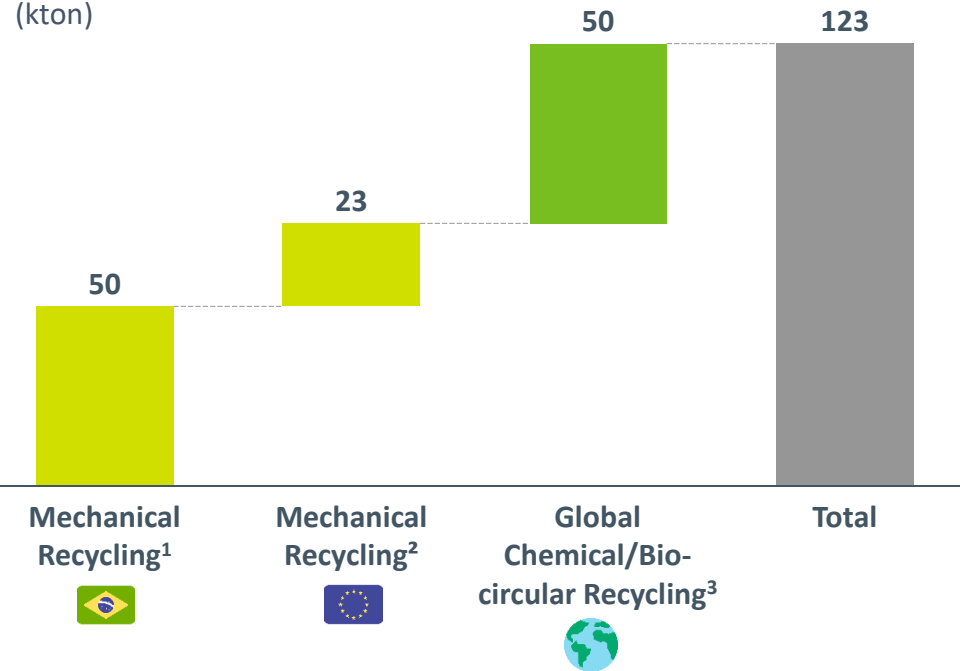
In the recycling front, Braskem has established new partnerships for feedstock supply and expanded its portfolio of circular products through chemical and mechanical recycling.



**Objective:** to increase the sales volume of products with recycled content to 1 million tons by 2030

### Announced Capacities

(kton)



## RECYCLING

### Mechanical Recycling

- ▶ Braskem holds **61.1% equity stake** in the recycler **Wise Plásticos**
- ▶ A Braskem and Terra Circular, a company focused on the conversion of solid waste, launch **Upsyde** on the market, capable of converting plastic waste that is difficult to recycle into circular final products



### Chemical Recycling

- ▶ Start of recurring sales of products from Chemical Recycling
- ▶ Partnership signed with Neste, a Finnish refining company, to supply **circular and bio-circular feedstock** for the production of polymers and chemical products
- ▶ Partnership with Shell Chemicals to supply **propylene bio-circular (UCO) feedstock**, with a certified Mass Balance approach



### GLOBAL ADVOCACY

Ensure the chemical sector as a fundamental link for the circular economy of plastics and promote public policies that unlock the circular economy

Source: Braskem. Note (1): Mechanical Recycling Brazil considers Wise's volumes, own assets and expansion. Note (2): Mechanical Recycling Europe considers volumes from the Upsyde platform.

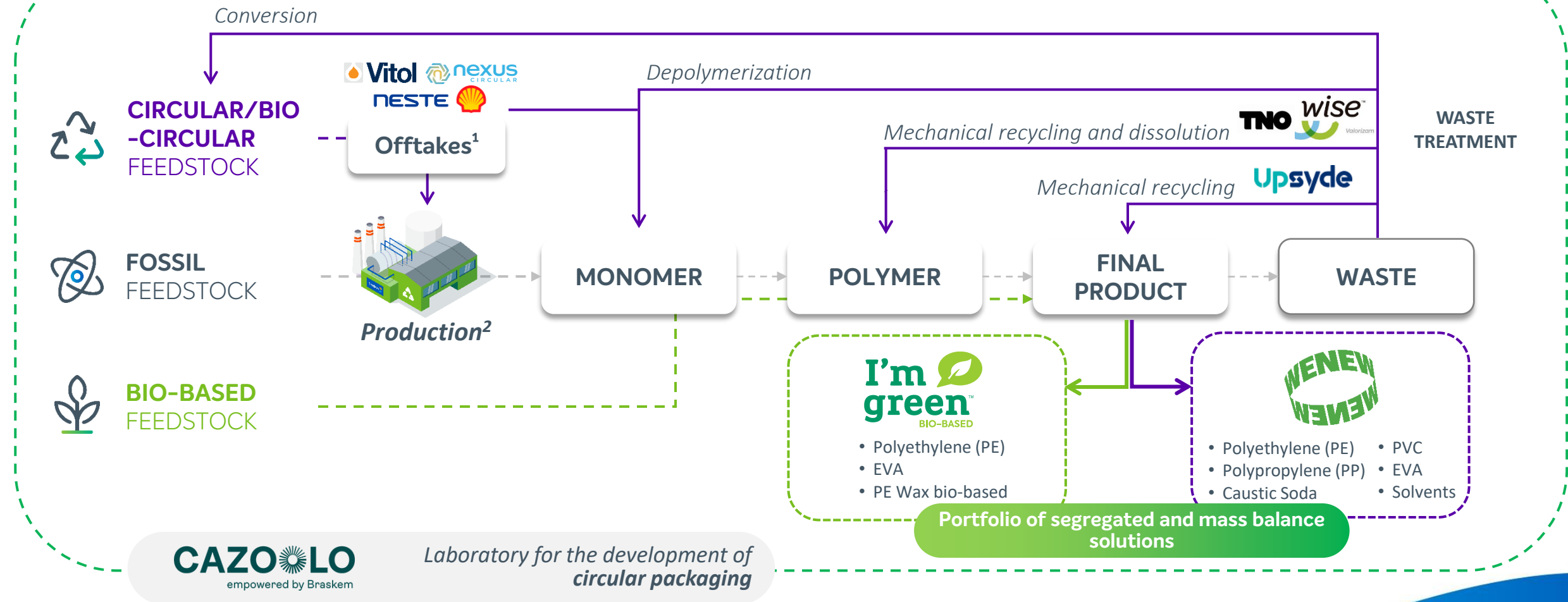
Note (3): Global Chemical and Bio-circular Recycling considers volumes contracted from third parties for the production of products from circular and bio-circular feedstock from chemical recycling.



## GROWTH AVENUES

Braskem is committed to a carbon-neutral circular economy and has solutions and partnerships throughout the value chain

### BRASKEM'S SUSTAINABLE PORTFOLIO AND INITIATIVES



# Braskem's product portfolio with mass balance includes three categories of feedstock certified by ISCC Plus

## BRASKEM'S MASS BALANCE SOLUTIONS

### Bio



Soy



Rapeseed

Derived from virgin biomass. Biodegradable fraction of products from agriculture, forestry (cultivated forests), and related industries such as fishing and aquaculture, and others

### Circular



Plastic waste



Used tyres

Derived from the mechanical and/or chemical processing of recyclable materials of non-biological origin (fossil origin)

### Bio-circular



UCO  
(Used Cooking Oil)



Agricultural  
residues

Leftovers and waste of biological origin from agriculture, forestry and related industries, including fishing and aquaculture, as well as the biodegradable fraction of industrial and municipal waste

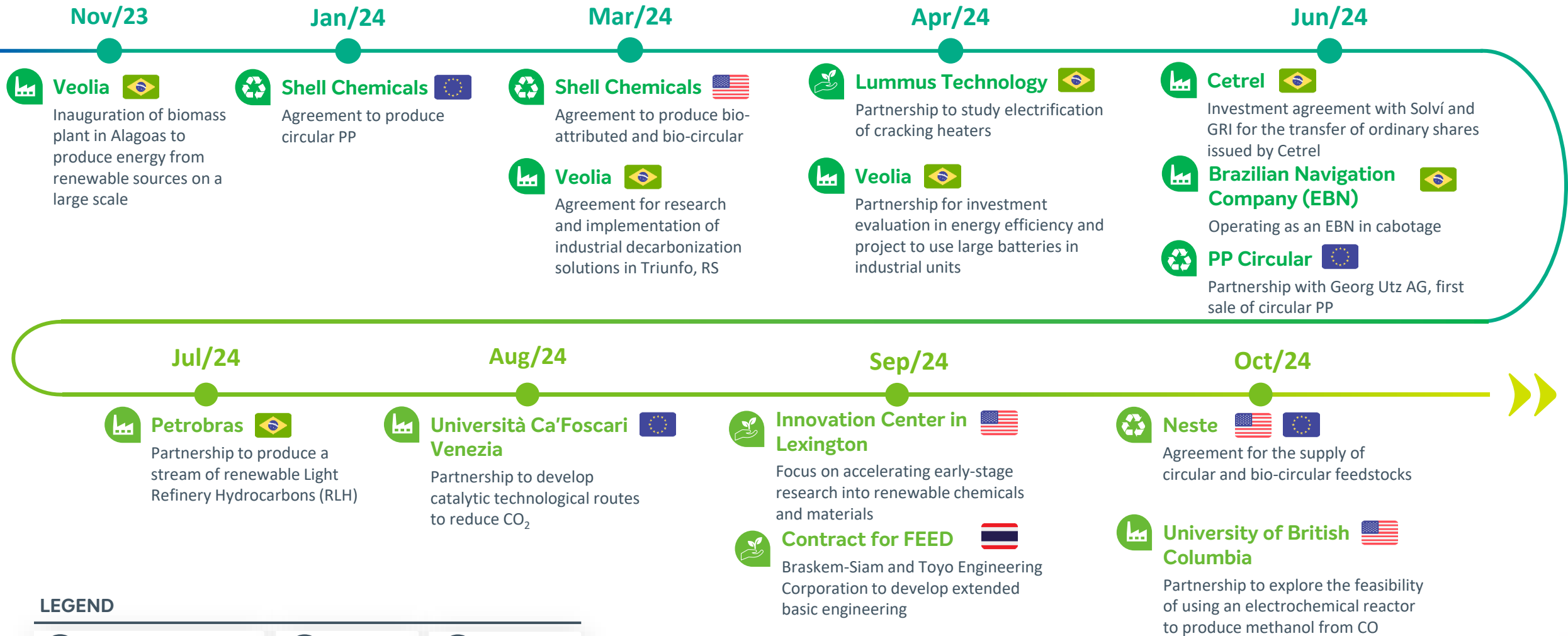


CERTIFIED

ISCC PLUS

## GROWTH AVENUES

Since last Braskem Day, we have continued to make progress in implementing projects aligned with the corporate strategy in the three growth avenues



### LEGEND

- Traditional Business
- Bio-based
- Recycling

# **BRAZIL/ SOUTH AMERICA**

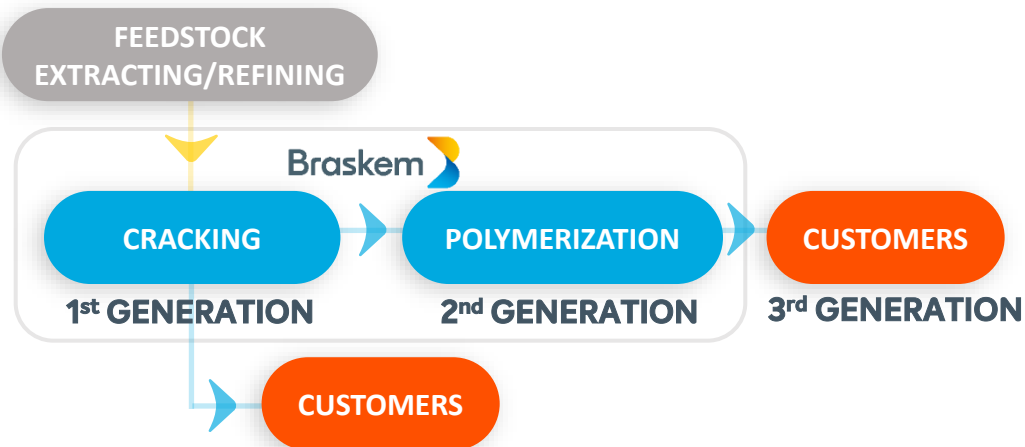
**Isabel Figueiredo**

Vice President of Vinyls & Specialties

# Leader in all its segments of operation in Brazil, with a broad product portfolio, exposure to different types of feedstock and a close relationship with its customers

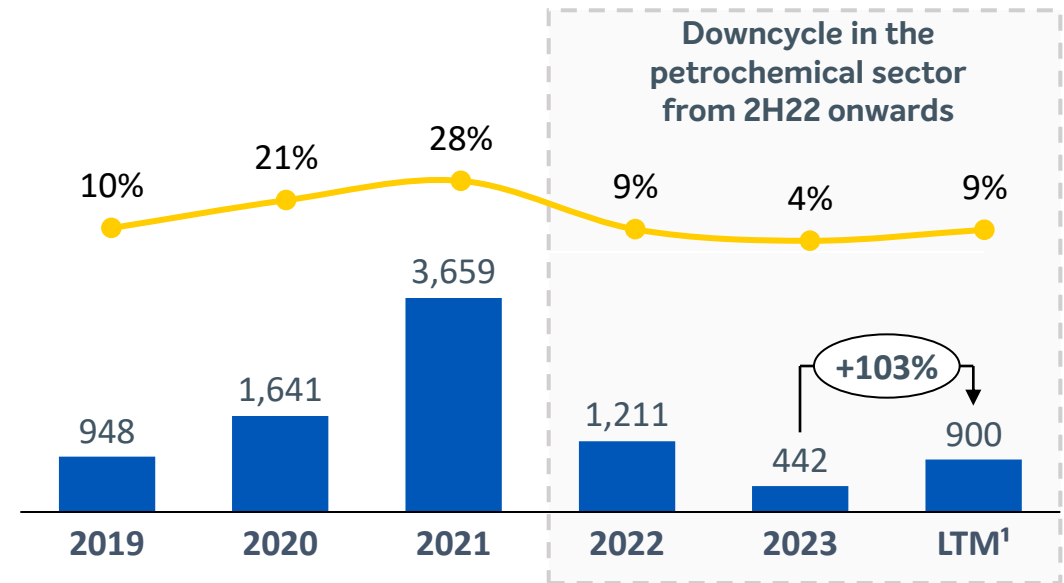
## BUSINESS MODEL

- ▶ The only Brazilian petrochemical company integrated in the production of resins (PE, PP and PVC), caustic soda and various other chemical products, ensuring higher operational efficiency
- ▶ Exposure to different types of feedstock, such as naphtha, ethane, propane, propylene, ROG and ethanol
- ▶ The segment is formed by two integrated business units
  - Olefins & Polyolefins
  - Vinyls & Specialties



## BRAZIL/LATIN AMERICA - EBITDA and EBITDA Margin

(US\$ million and %) ■ Recurring EBITDA ● EBITDA Margin



Recurring EBITDA in Brasil represents ~65%<sup>2</sup> of the consolidated Recurring EBITDA of the Company's segments

# In Brazil, Braskem is the only integrated petrochemical player, with a consolidated service capacity to the Brazilian market



## Braskem Brazil | Main highlights

### Commercial Strategy

- ▶ South America Market Leadership
- ▶ Close and differentiated relationship with customers
- ▶ Broad product portfolio

### Assets

- ▶ 29 industrial units at 7 production sites
- ▶ Among the largest logistics operations in Brazil
- ▶ Mechanical Recycling Assets

### Feedstock and diversified supply

- ▶ Exposure to different types of feedstock
- ▶ Proximity to Petrobras Refineries
- ▶ Access to imported feedstock

### Integration and scale

- ▶ The only petrochemical company integrated in chemicals and polymers

### Consolidated export capacity

- ▶ Exports optimized by industrial and commercial presence outside the country
- ▶ Local sales teams in 5 countries in South America

### Assets Location



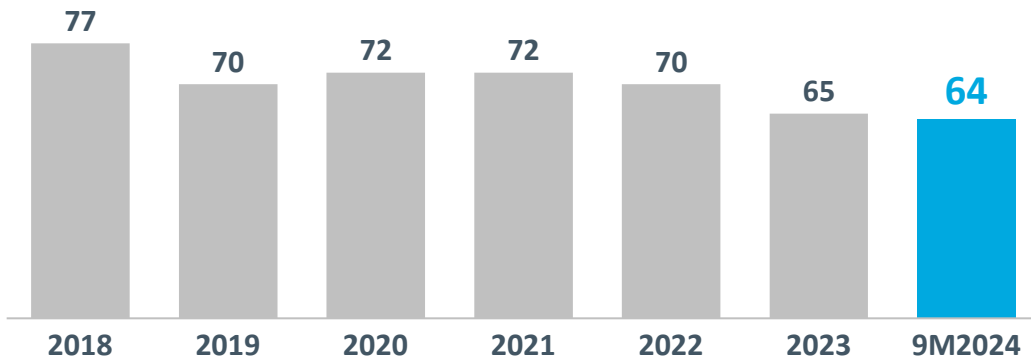
In addition to its strategic role, the Brazilian chemical industry has structural effects that multiply throughout the entire economy

### IMPORTANCE FOR BRAZILIAN INDUSTRY

- ▶ Braskem's Brazil Segment is part of the 6<sup>th</sup> largest chemical and petrochemical industry in the world
- ▶ The Brazilian chemical industry:
  - 3<sup>rd</sup> largest industrial sector of GDP
  - It corresponds to 11% of the Brazilian industrial GDP

### AVERAGE UTILIZATION RATE OF THE INSTALLED CAPACITY OF THE BRAZILIAN CHEMICAL INDUSTRY

(in %<sup>1</sup>)



EVERY R\$1 MILLION INCREASE IN CHEMICAL PRODUCTION GENERATES:



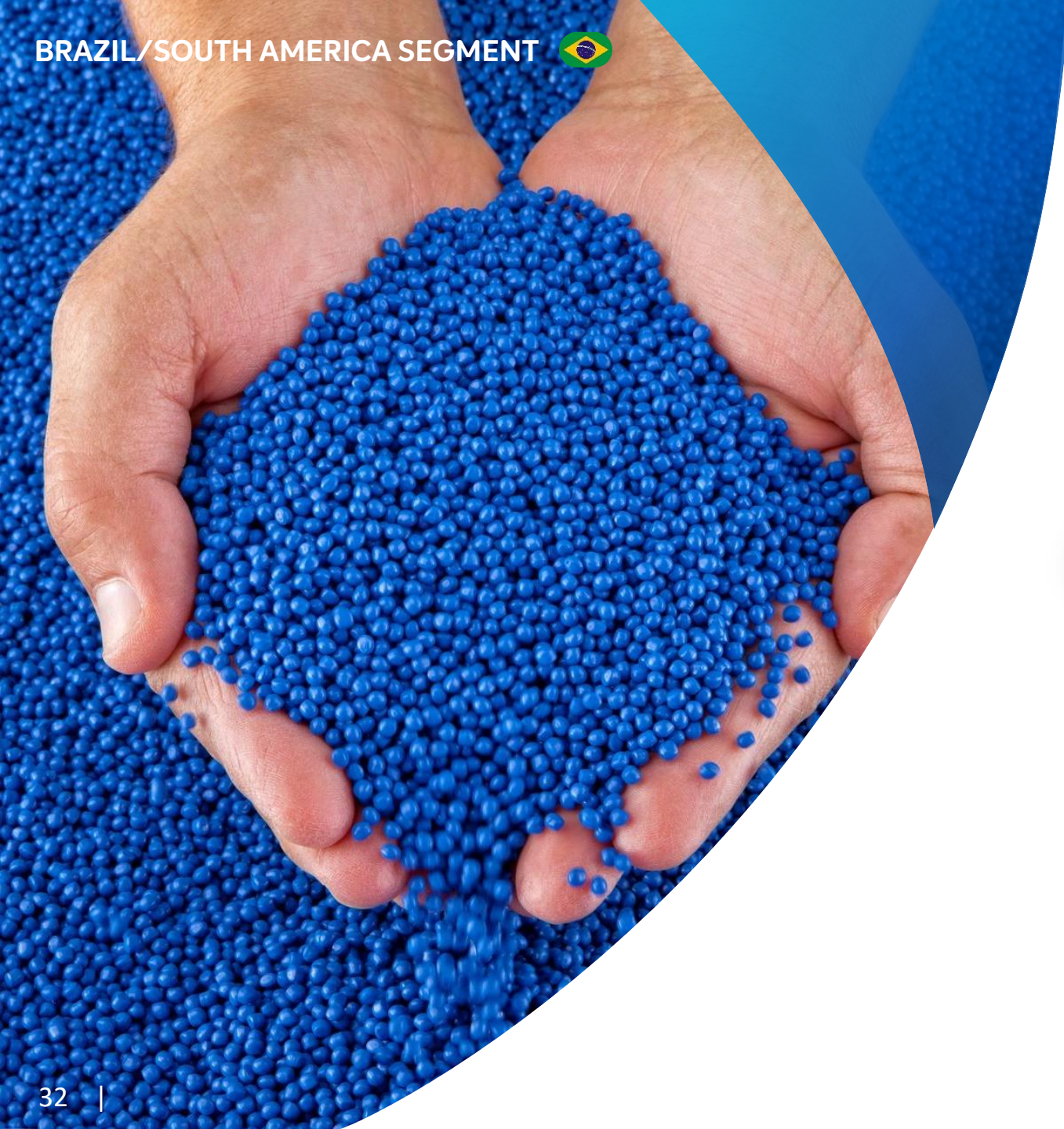
R\$960 THOUSAND INCREASE IN THE ECONOMY'S TOTAL GDP



15 NEW DIRECT AND INDIRECT JOBS



ADDITIONAL R\$560 THOUSAND IN TOTAL REVENUE FOR THE GOVERNMENT



# Olefins & Polyolefins

## 1<sup>ST</sup> GENERATION

### OLEFINS

Ethylene  
 Propylene  
 Butadiene  
 Butene  
 + others

### AROMATICS

Benzene  
 Cumene  
 Paraxylene  
 Orthoxylene  
 + others

Production capacity  
 ~7,380 kt/year

## 2<sup>ND</sup> GENERATION

### POLYMERS

PE  
 PP  
 EVA

Production capacity  
 5,761 kt/year



# The O&P Business serves clients from various sectors of the Brazilian economy, with integrated production in 4 states...

## Olefins

&

## Aromatics

1st Generation

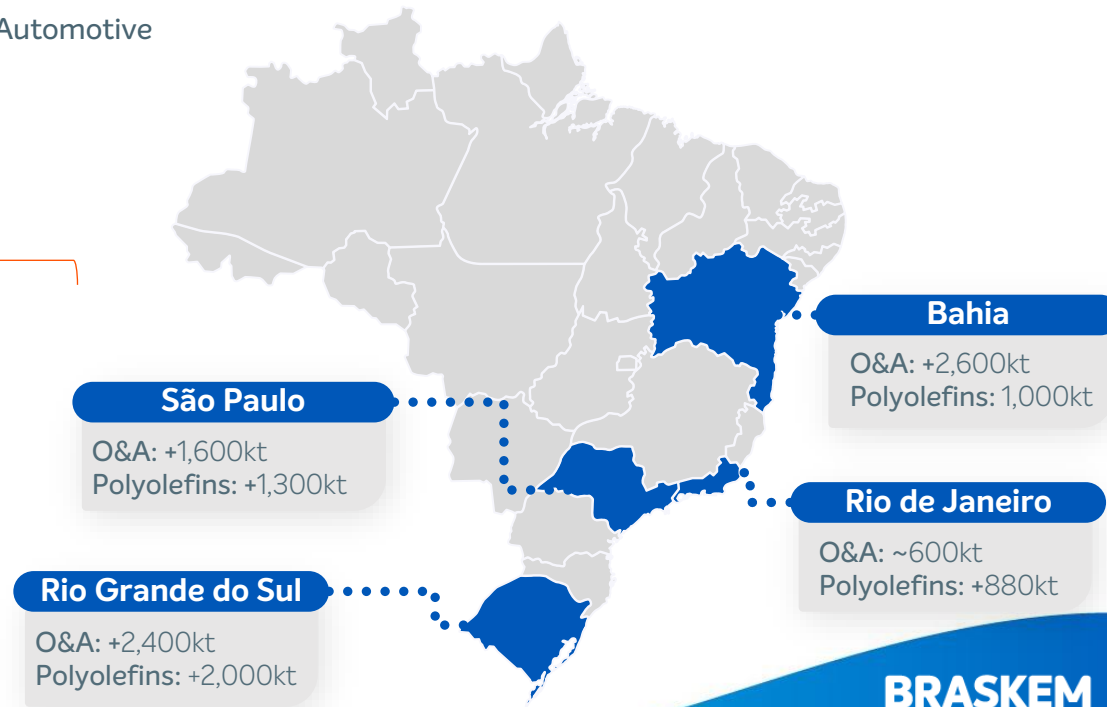
- |                                     |                                     |                       |
|-------------------------------------|-------------------------------------|-----------------------|
| <b>Ethylene</b>                     | <b>Propylene</b>                    | <b>Butadiene</b>      |
| Cleaning products and personal care | Cleaning products and personal care | Automotive            |
| Civil Construction                  | Home Appliance                      | Footwear              |
| Consumer goods                      | Civil Construction                  | Hospital Applications |
| Packaging                           | Textile                             | Home & Garden         |
| Clothing                            | Furniture                           |                       |
| Agricultural Sector                 | Automotive                          |                       |
| Automotive                          |                                     |                       |

- |                                     |                    |                   |
|-------------------------------------|--------------------|-------------------|
| <b>Benzene</b>                      | <b>Cumene</b>      | <b>Paraxylene</b> |
| Cleaning products and personal care | Furniture          | Packaging         |
| Civil Construction                  | Civil Construction | Textile           |
| Consumer goods                      | Automotive         |                   |
| Packaging                           | Pharmaceutical     |                   |
| Automotive                          |                    |                   |

## Polyolefins

2nd Generation

- |                                     |                           |                          |
|-------------------------------------|---------------------------|--------------------------|
| <b>Polyethylene (PE)</b>            | <b>Polypropylene (PP)</b> |                          |
| Packaging                           | Packaging                 | Auto parts and equipment |
| Cleaning products and personal care | Home Appliance            | Home & Garden            |
| Agricultural Sector                 | Automotive                |                          |
| Civil Construction                  | Civil Construction        |                          |
| Hospital applications               | Consumer goods            |                          |



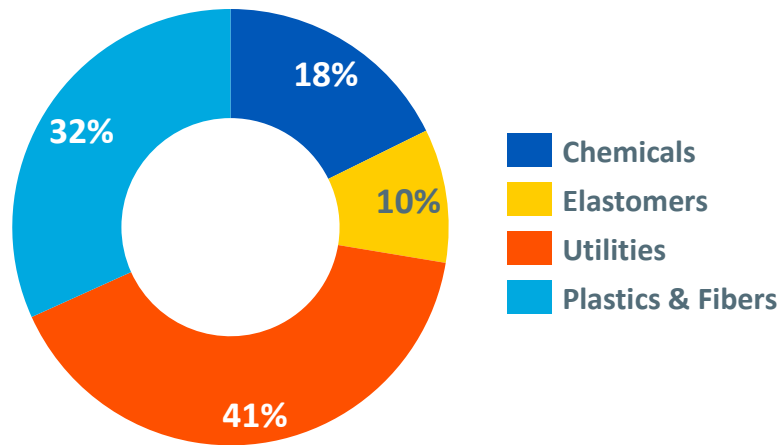
# BRAZIL/SOUTH AMERICA SEGMENT | OLEFINS & POLYOLEFINS

## ...diversifying exposure to different markets

### OLEFINS & AROMATICS BUSINESS

#### PRODUCT SALES BY SEGMENT

(9M24 - in % of sales volume)



**~US\$7.2 bi**  
Revenue<sup>1</sup>

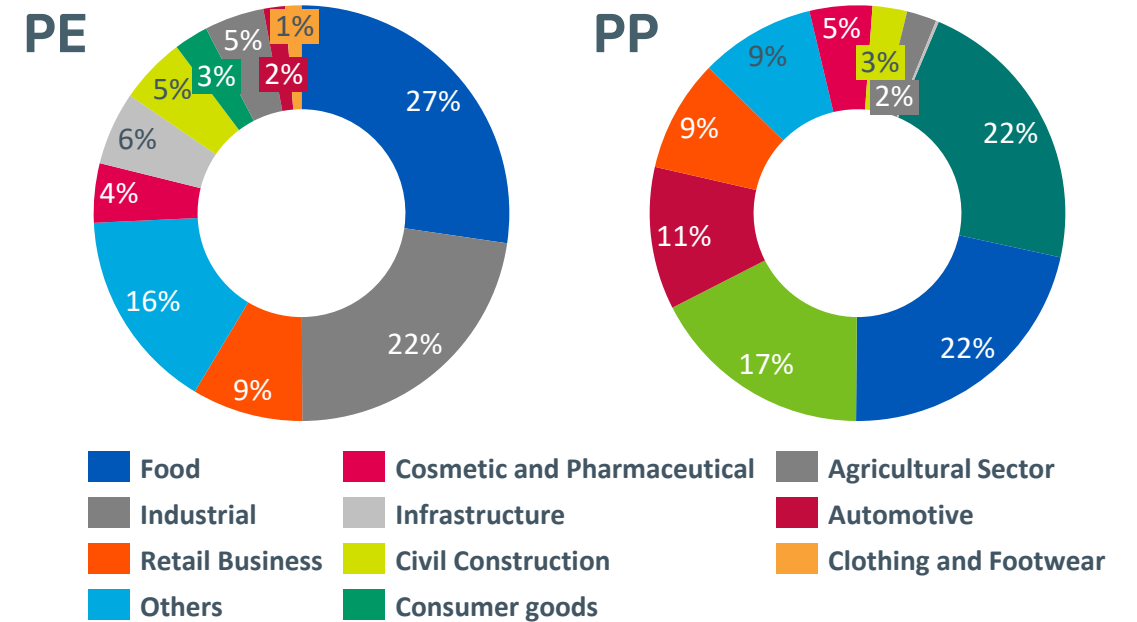
**~10%**  
EBITDA Margin<sup>1</sup>

**~40%**  
of Brazil's EBITDA<sup>1</sup>

### POLYOLEFIN BUSINESS

#### SALES BY ECONOMIC SECTOR

(9M24 - in % of sales volume)



**~US\$5.7 bi**  
Revenue<sup>1</sup>

**~14%**  
EBITDA Margin<sup>1</sup>

**~40%**  
of Brazil's EBITDA<sup>1</sup>



# Vinyls & Specialties

## 1<sup>st</sup> GENERATION, INTERMEDIARIES AND 2<sup>nd</sup> GENERATION

VINYLS	FUELS	SOLVENTS	SPECIALTIES
PVC	Gasoline A	Toluene	PIB
Caustic soda	Gasoline Premium	Xilene	Unilene <sup>®</sup>
Hypochlorite	EBTE / MTBE	Pluract <sup>™</sup>	Isoprene
Hydrochloric acid	Special Butane	Turpentine	DCPD
+ others	Special Propane	Ezolem <sup>™</sup>	Piperylene
	LPG	+ others	Nonene and Tetramer
	+ others		Green PE Wax
			+ others

Production capacity

~2,800 kton/year

# The V&S<sup>1</sup> business seeks to develop products that add greater profitability with a focus on safety, renewable content and circularity, ensuring quality and performance of applications

## Vinyl

**Main products:** PVC, Soda, and Chlorine

**Applications:** construction, clothing, health, pulp and paper, chemicals, and others

Around 60% of the PVC sold by Braskem is used in the civil construction industry

## Fuels

**Main products:** Gasoline, Gasoil, and ETBE

**Applications:** Automotive gasoline, boosters, propellants, and cooking gas

Braskem is the 3<sup>rd</sup> largest producer of gasoline in Brazil and serves the Brazilian and international markets

## Solvents

**Main products:** Xylene and Toluene

**Applications:** Paints and varnishes, chemicals, adhesives, and agribusiness

Braskem has the flexibility to use some solvents in the production of other products, such as gasoline

## Specialties

**Main products:** PIB, Unilene and Isoprene

**Applications:** Paints and varnishes, coatings, cosmetics, rubbers and detergents

More than 70% of the specialties produced by Braskem are sold on the international market



- Expansion of the **fuels** portfolio to supply the automotive market
- Launch of **Resysta** at the Exporevestir 2024



### Laboratory of Solvent Application

Developed with the aim of **bringing customers' technical needs closer to our solutions**, as well as supporting the development of new solvents and applications



# The diversity and added value of the V&S portfolio optimizes the results of Braskem's petrochemical plants

## Vinyls



- Wide range of PVC resins, including **Resysta**, Sustainable wood produced from a mixture of rice husk and PVC, officially launched on the market in 2024
- **Strategic Partnerships** with research institutions and additive manufacturers to promote integration and innovation in the PVC market

**~US\$1.0 billion**  
of Net Revenue<sup>1</sup>

Customer Service in all  
**5** regions of  
Brazil

**+300** Direct Customers

**~850kton/year**  
Sales volume<sup>1</sup>

## Fuels



- Fuels that meet the **high standards** required by the market and regulatory bodies, such as the National Petroleum Agency (ANP)
- Sustainable solutions, such as the bio-additive **ETBE** (Ethyl Terbutyl Ether), which improves the performance of gasoline and is partially produced with ethanol

**~US\$1.1 billion**  
of Net Revenue<sup>1</sup>

Exports to  
**3** different  
continents

**~100** Direct Customers

**~1,500kton/year**  
Sales Volume<sup>1</sup>

# With a diversified portfolio, including products with sustainable feedstock, the Solvents and Specialties businesses demonstrate greater resilience through the petrochemical cycle

## Solvents



- ▶ Braskem's **solvents**, such as **Ezolem™** and **Sensitis™**, are recognized by customers for their high performance and reliability
- ▶ Portfolio with **sustainable solvent** options, such as **Circular Hexane**, with recycled content, and **HE70S**, with content from renewable sources

~**US\$200 million**  
of Net Revenue<sup>1</sup>

**Market Leadership**  
of hydrocarbon solvents in  
Brazil

~**40%** EBITDA margin<sup>1</sup>

**+100**  
Clients

~**130kt/year**  
Sales volume<sup>1</sup>

## Specialties



- ▶ Expertise in **Application Engineering**, with laboratories and a team of engineers dedicated to meeting the specific needs of customers with **innovation** and **technology**
- ▶ It also has a diverse portfolio and sustainable options, **Green PE I'm green™ wax**, made from sugar cane

~**US\$200 million**  
of Net Revenue

Exports to  
**+40** countries

~**30%** EBITDA margin<sup>1</sup>

**+200**  
Clients around  
the world

~**200kt/year**  
Sales volume<sup>1</sup>

Considering the region's competitive advantages, the strategic focus for the short term is on strengthening commercial relations, prioritizing service to the Brazilian market, while optimizing operating costs

### MAIN COMPETITIVE ADVANTAGES



**LEADER IN THE REGION AND THE ONLY INTEGRATED PETROCHEMICAL COMPANY**



**CUSTOMER FOCUS**



**BROAD PORTFOLIO OF PRODUCTS, INCLUDING CIRCULARS AND BIO**

### SHORT-TERM LEVERAGES

1

#### SALES OPTIMIZATION

##### Action Focus

Maintaining leadership in South America focusing on increasing sales of higher added value, expanding the portfolio of circular products, and capturing opportunities related to the increase in import tariffs in Brazil

2

#### COST OPTIMIZATION

##### Action Focus

Continuously reducing fixed and variable costs by renegotiating contracts with suppliers and reducing logistics costs

VALUE CAPTURE EXPECTATION

EBITDA<sup>1</sup>  
~US\$100-150 MM

# USA & EUROPE

**Mark Nikolich**

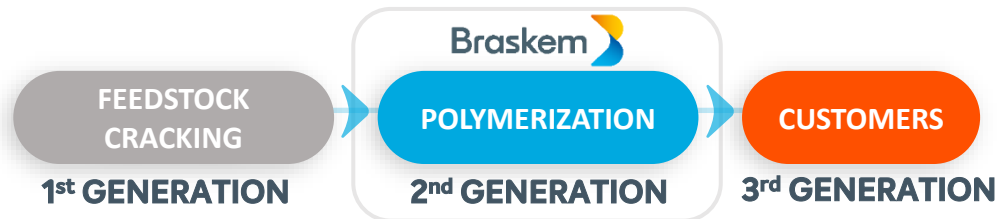
Vice President of Olefins & Polyolefins  
North America (NAM)



# Braskem is leader in PP production in North America, and also has PP production and a relevant commercial center in Europe

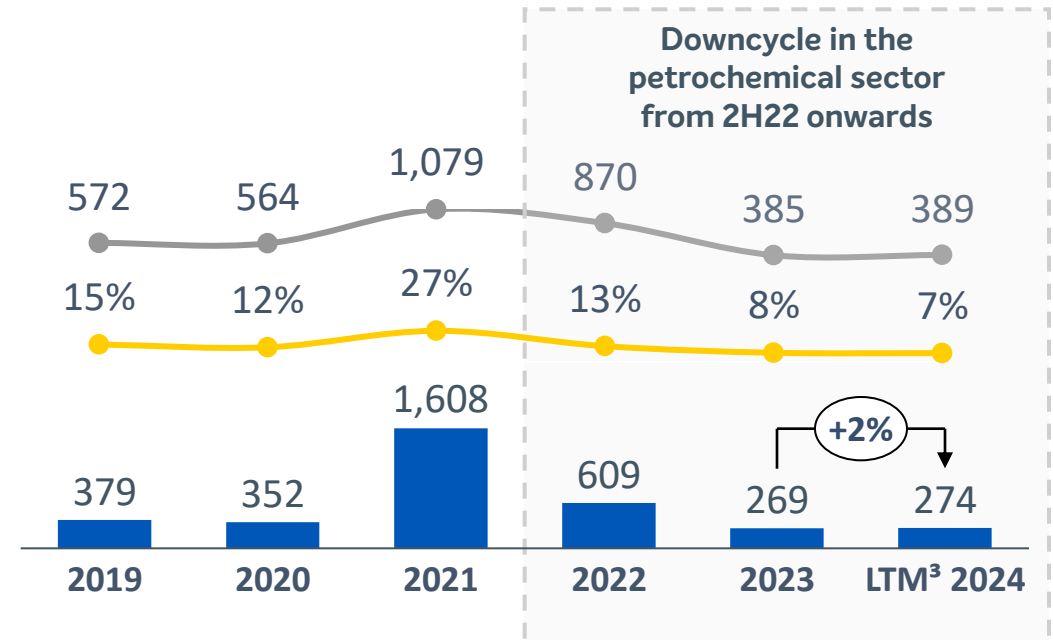
## BUSINESS MODEL

- ▶ **USA:** PP plants being the **largest PP producer in North America**
  - Flexibility in purchasing feedstock from various sources of propylene, such as PDHs<sup>1</sup>, refineries and petrochemical plants
- ▶ **Europe:** PP plants, **export platform and global logistics for the whole of Braskem** through the international office in Rotterdam
  - Geographical proximity to the main global feedstock suppliers, mostly based in Europe, Middle East, USA and Africa
  - **Integrated feedstock transportation to PP plants**, via pipelines connected to suppliers



## EBITDA and EBITDA Margin

(US\$ million, % and US\$/t) ■ Recurring EBITDA —●— EBITDA margin



**Recurring EBITDA in the USA & Europe represents ~22%<sup>4</sup> of the consolidated Recurring EBITDA of the Company's segments**

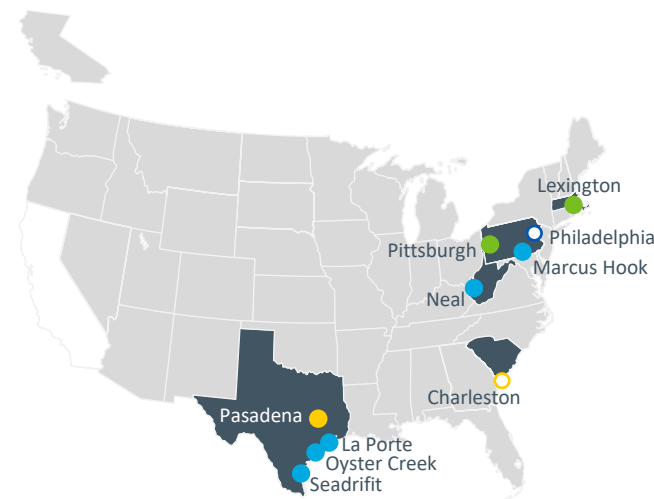
# In the United States, Braskem is the largest producer of PP and is strategically positioned to integrate into the propylene chain

## Rapid expansion and consolidation in North America

- 2010 Acquisition of 3 PP plants from Sunoco
- 2011 Acquisition of 2 PP plants from Dow
- 2012 Splitter acquisition in Marcus Hook
- 2016 DBN in Marcus Hook
- 2017 UTEC plant
- 2020 Delta Project Export Center in Charleston

**Diversified product mix delivered to more than 170 clients**

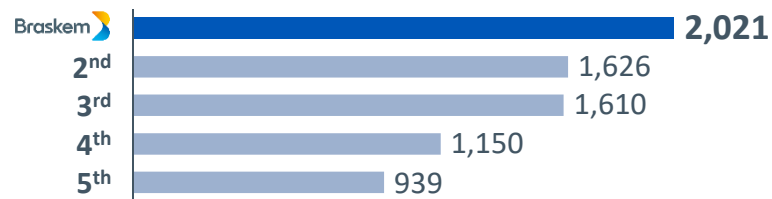
## Geographic diversification as a competitive advantage



- Positioned in one of the regions with the highest volume of competitive Feedstock production
- Easy access to the US Gulf export hub
- Modern Innovation and Technology Center to support the customers
- Most of Braskem's production capacity in the United States is positioned in the first quartile of the PP<sup>2</sup> Cash Cost curve

## TOP 5 LARGEST PP CAPACITIES IN NORTH AMERICA<sup>1</sup>

(in kt/year)



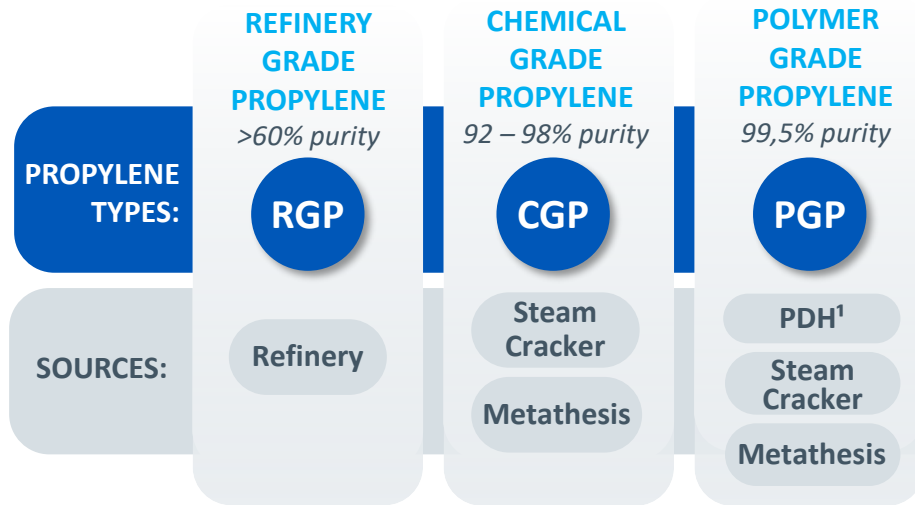
**Braskem continues to lead in PP capacity in North America**

- Innovation and Technology Center
- Headquarters
- Administrative office
- Export hub
- Industrial plant

# In addition to its leadership in PP capacity, Braskem stands out for the diversification achieved in the region, which supports the high competitiveness of its assets

## Flexibility in purchasing feedstock

- Competitiveness through the ability to obtain feedstock from different suppliers:



## Products and segments served

Polypropylene (PP)



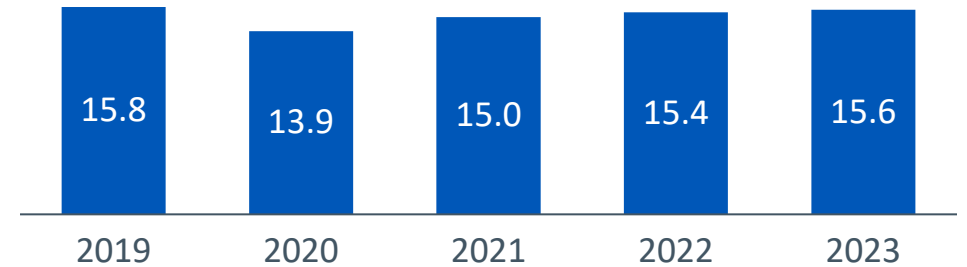
- Sales to more than **400 clients**, serving a **wide variety of sectors of the economy**

## Largest ethanol market in the world

- The United States has established itself as the largest ethanol producer in the world, accounting for approximately more than half of global production

### US ethanol production<sup>2</sup>

(in millions of gallons)



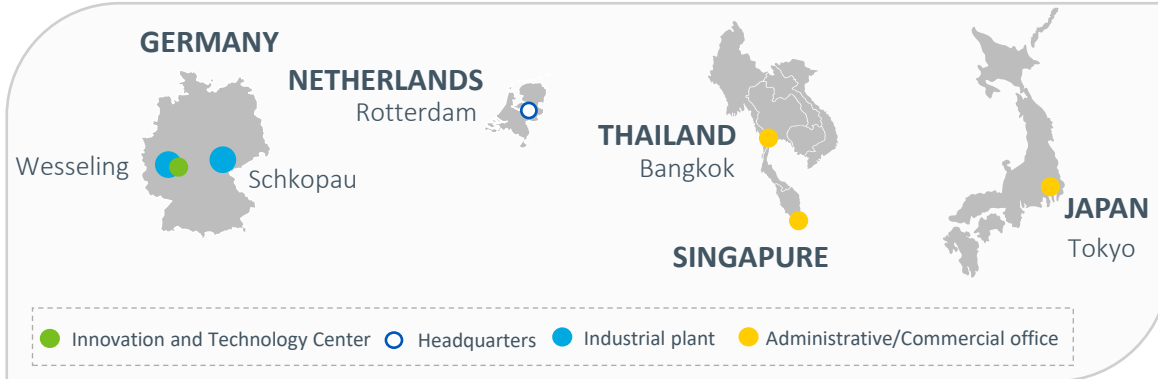
### US share in the global production



Strategic positioning in the United States to boost the growth of the Company's Bio-based avenue

# The presence in Europe and Asia boosts the competitiveness of Braskem's operations globally and the company's growth strategy

## Strategic location in Europe and Asia




- In Europe, Braskem is located on one of the world's main port hubs, the ARA region (Amsterdam-Rotterdam-Antwerp)
  - It has easy access to the main global Feedstock suppliers, mostly based in Europe, the Middle East, the USA and Africa
- In Asia, the presence of the office positions Braskem in an important commercial and strategic center, in Singapore, and of demand for renewables, in Japan

 **Presence in Europe and Asia leverages commercial and strategic positioning on the agenda of the Bio-based and Recycling Growth Avenues**

## Braskem Trading & Shipping (BT&S)

- BT&S ensures the import of feedstock (naphtha and ethane) and the export of Braskem's chemicals, fuels and specialties, as well as guaranteeing reliable and sustainable maritime transportation, with cost competitiveness

### BT&S' VESSELS UNDER LEASING

 #	Status	Type	Product
1	In operation	LR1 <sup>1</sup>	Naphtha
1	In test <sup>2</sup>	Gas Tanker <sup>3</sup>	Ethane
1	Under construction	Gas Tanker <sup>3</sup>	Ethane
4	Under construction	LR1 <sup>1</sup>	Naphtha



**BT&S: reliable, competitive and low-emission maritime transport**

Considering the region's competitive advantages, the strategic focus for the short term is on the competitiveness of the assets and also on Braskem's other segments through BT&S

## MAIN COMPETITIVE ADVANTAGES



**FEEDSTOCK IMPORT AND PRODUCT EXPORT HUB**



**CUSTOMER FOCUS**



**BROAD PRODUCT PORTFOLIO, INCLUDING CIRCULAR AND RENEWABLE PRODUCTS**

## SHORT-TERM LEVERAGES

1

### COMPETITIVENESS OF ASSETS

#### Action Focus

- Optimize the asset portfolio and cost structures per asset
- Seek opportunities for strategic partnerships with the goal of creating value, integration and feedstock diversification

2

### OPERATIONAL STABILITY

#### Action Focus

- Ensuring competitiveness and flexibility in the purchase of Feedstock for Brazil and Mexico, looking for new opportunities to reduce costs

VALUE CAPTURE EXPECTATION

EBITDA<sup>1</sup>  
~US\$20-50 MM

# MEXICO

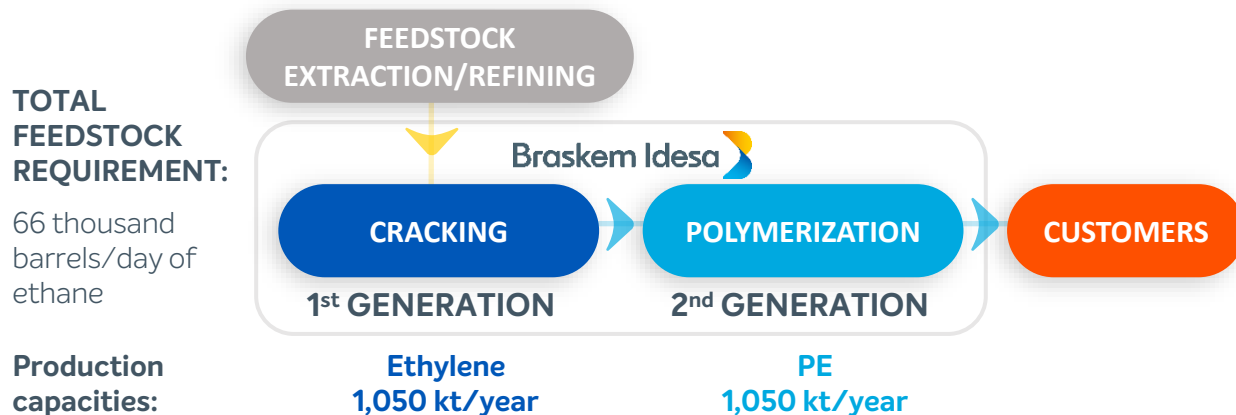
**Stefan Lepecki**

Braskem Idesa CEO

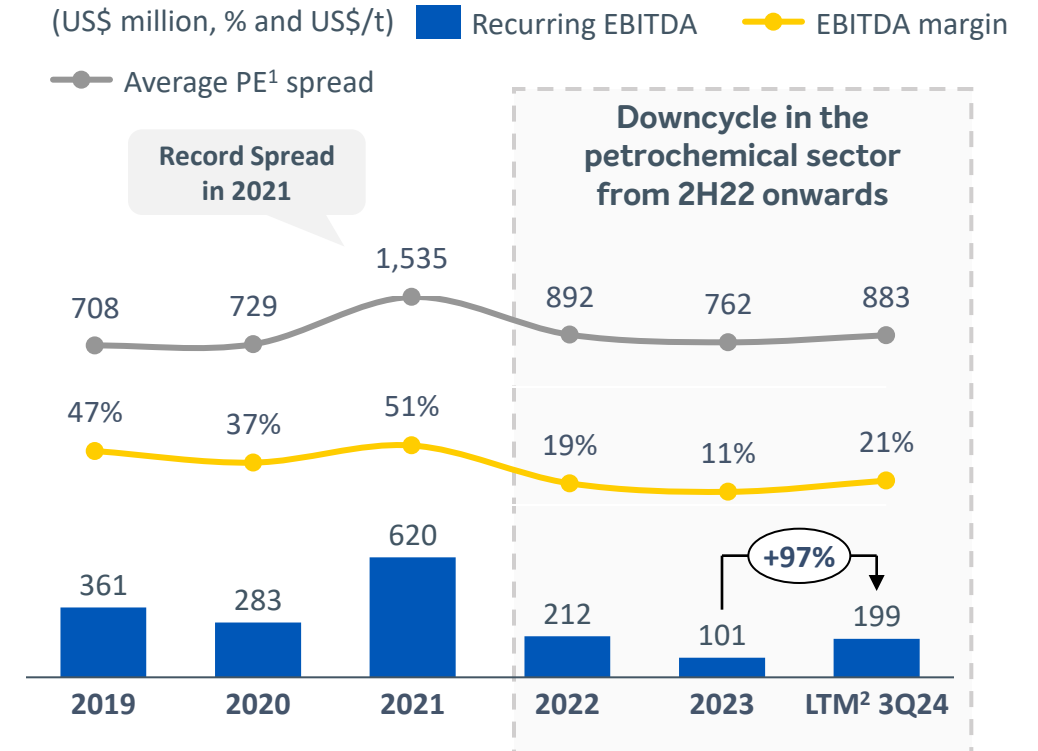
# Braskem Idesa stands out internationally for its competitiveness and robust infrastructure to guarantee its operational stability and healthy margins throughout the cycle

## INTEGRATED BUSINESS MODEL

- ▶ **Largest integrated petrochemical complex ever built in Latin America for the production of ethylene and polyethylene (PE), with state-of-the-art technology**
- ▶ **The industry's most competitive feedstock (ethane), which is supplied by PEMEX and other international suppliers**
- ▶ **Self-sufficiency in electricity generation, through its own electricity cogeneration plant, and in the availability of feedstock, from the start of operations of the ethane import terminal**
- ▶ **Flexible multimodal logistics platform, enabling competitive exports to more than 50 countries**



## EBITDA and EBITDA Margin



Mexico represents ~13%<sup>3</sup> of the consolidated Recurring EBITDA of the Company's segments

# Braskem Idesa's commercial flexibility is an important competitive differentiator for capturing commercial opportunities in Mexico and the international market, and maximizing profitability

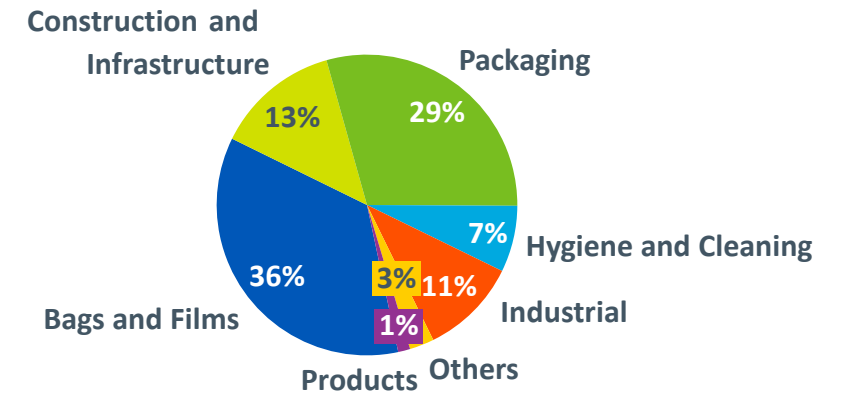
## FLEXIBILITY FOR COMPETITIVE EXPORTS



## DIVERSIFIED PORTFOLIO AMONG SECTORS OF THE ECONOMY WITH A GROWING LOCAL MARKET

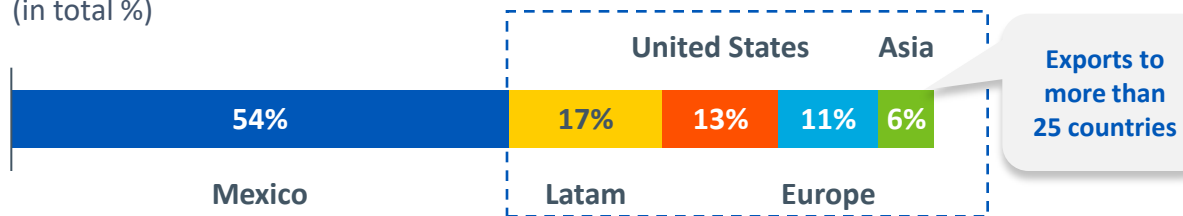
### SALES BY SEGMENT – 3Q24 LTM<sup>1</sup>

(in total %)



### SALES BY DESTINATION REGION – 3Q24 LTM<sup>1</sup>

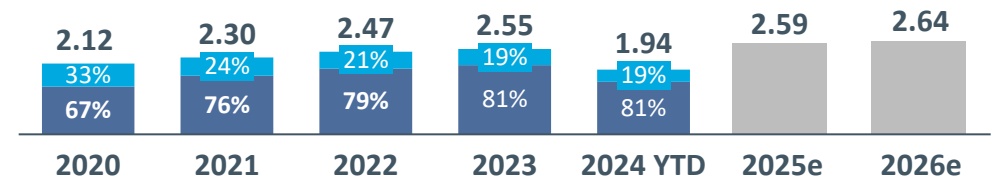
(in total %)



**Mexico has free trade agreements signed with more than 50 countries**

### MEXICAN PE MARKET

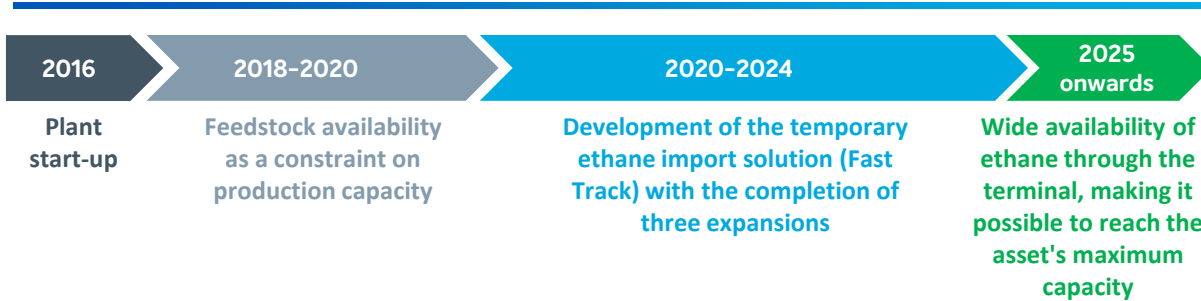
(MMt and %) ■ Local Production ■ Imported





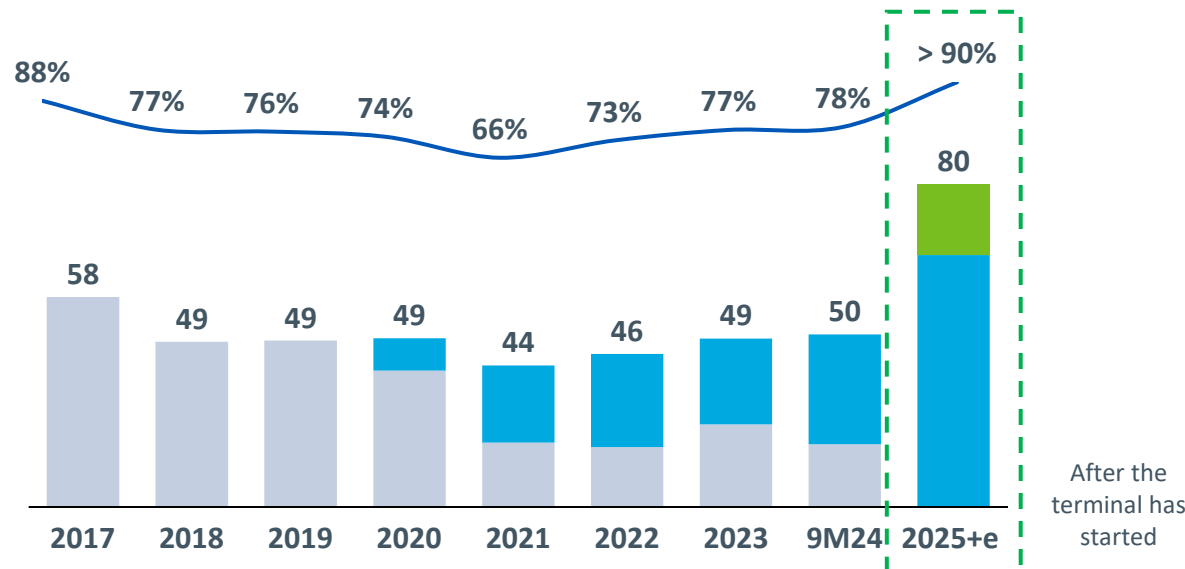
# With the completion of the construction of the ethane import terminal in Mexico, Braskem Idesa will guarantee the supply of feedstock, optimizing utilization rates and its cost competitiveness

## THE AVAILABILITY OF ETHANE HAS BEEN A CHALLENGE FOR BRASKEM IDESA



### Ethane availability and utilization rate of PE plants

(thousand barrels/day and %) ■ Pemex ■ Imported ■ Surplus — Utilization rate



## THE ENTRY INTO OPERATION OF THE TERMINAL WILL GUARANTEE OPERATIONAL STABILITY FOR THE OPERATION

- **Ownership Structure**  
Braskem Idesa and Advorio (50%/50%)
- **Ethane Supply Capacity**  
~80 Thousand barrels/day (120% of BI's current need)
- **Estimated total Investment**  
~US\$580 million<sup>1</sup> (with ~US\$446 million of CAPEX ex-VAT)



Virtual image of the project



**EXPECTED VALUE CAPTURE<sup>2</sup>**

**EBITDA ~US\$50 MM/year**

## EXPECTED START OF OPERATIONS IN 1Q25

In 2025, the first scheduled maintenance shutdown will take place

- **Expected start date**  
June/2025
- **Duration**  
~45 days
- **Estimated CAPEX in 2025 for the shutdown**  
~US\$50 MM

# The import terminal will guarantee a stable supply of ethane to Braskem Idesa, enabling it to achieve full utilization of its production capacity with an expected reduction in import costs



**FAST TRACK**

Temporary solution

**ETHANE IMPORT TERMINAL**

Definitive solution

	FAST TRACK	ETHANE IMPORT TERMINAL
<b>Capacity</b>	<ul style="list-style-type: none"> <li>up to 35 thousand barrels/day</li> <li>~50% of BI's needs</li> </ul>	<ul style="list-style-type: none"> <li>up to 80 thousand barrels/day</li> <li>2.3x higher than Fast Track</li> <li>~120% of BI's needs</li> </ul>
<b>Logistics Efficiency</b>	<ul style="list-style-type: none"> <li><b>Higher logistics costs</b></li> <li>Use of <b>contracted vessels</b> (timer charter)</li> <li><b>Road Transportation</b>, with 28 trucks operating day and night</li> </ul>	<ul style="list-style-type: none"> <li><b>Reduced logistics costs (-30%)</b></li> <li><b>Two dedicated vessels</b> subleased from BT&amp;S</li> <li>10km <b>pipeline for direct connection between terminal and petrochemical complex</b></li> </ul>
<b>Operational Reliability</b>	<ul style="list-style-type: none"> <li><b>Complex Operation</b> <ul style="list-style-type: none"> <li>No storage capacity</li> <li>Logistical limitations due to road conditions</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Optimized and Reliable operation</b> <ul style="list-style-type: none"> <li>2 tanks with storage capacity for ~12 days of inventory<sup>1</sup></li> </ul> </li> </ul>

Considering the region's competitive advantages, Braskem Idesa will continue to maximize its operational efficiency and profitability in the short term, ensuring financial health

### MAIN COMPETITIVE ADVANTAGES



**REGIONAL LEADER**



**COMPETITIVE ASSET ON THE GLOBAL COST CURVE**



**ETHANE IMPORT TERMINAL WITH DEDICATED LOGISTICS**

### SHORT-TERM LEVERAGES

#### 1 FEEDSTOCK AVAILABILITY AND UTILIZATION RATE

**Action Focus**

- Increase the availability of Feedstock to operate with utilization rates above 90% on a continuous basis
- Optimize commercial and logistical synergies with Braskem

#### 2 FINANCIAL HEALTH

**Action Focus**

- Preserving financial health through the disciplined allocation of capital and the implementation of financial preservation initiatives

**VALUE CAPTURE EXPECTATION**      EBITDA<sup>1</sup> ~US\$70 MM

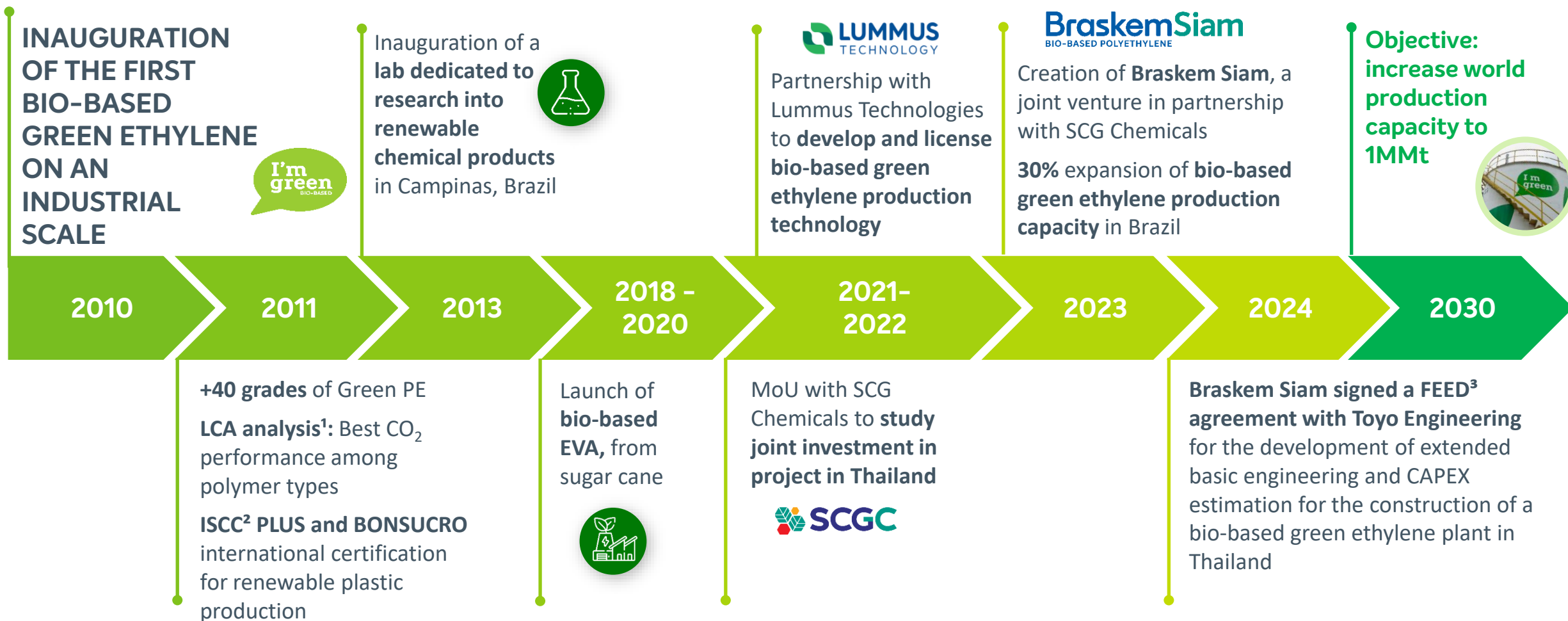
# Green PE bio-based

**Walmir Soller**

Vice President of Olefins & Polyolefins  
Europe & Asia

## GREEN PE BIO-BASED (PART OF BRAZIL/SOUTH AMERICA SEGMENT)

Since 2010, Braskem has been investing in the development of renewable products, including through strategic partnerships that contribute to strengthening the market and creating new products



# Braskem is a pioneer in the production of green polyethylene on an industrial scale and is the world's largest producer of biopolymers

## BUSINESS MODEL

- Portfolio of products based on renewable feedstock (ethanol from sugar cane), including Green Polyethylene (Green PE bio-based) and Green EVA, serving a wide range of end customers in various sectors
- Winning platform being the world leader in biopolymers, with the capacity to execute growth on a global scale
- Product portfolio driving value from the renewable Feedstock ecosystem and through responsible sourcing best practices



Polyethylene, EVA and Green PE wax I'm green™ bio-based

- Know-how of +14 years of production**
- Continuous development of sustainable solutions**
- Carbon Removal (cradle to gate<sup>1</sup> negative carbon footprint)**
- Worldwide recognized brand with +50 awards received**
- Used by +200 companies and brand owners**
- 100% recyclable**

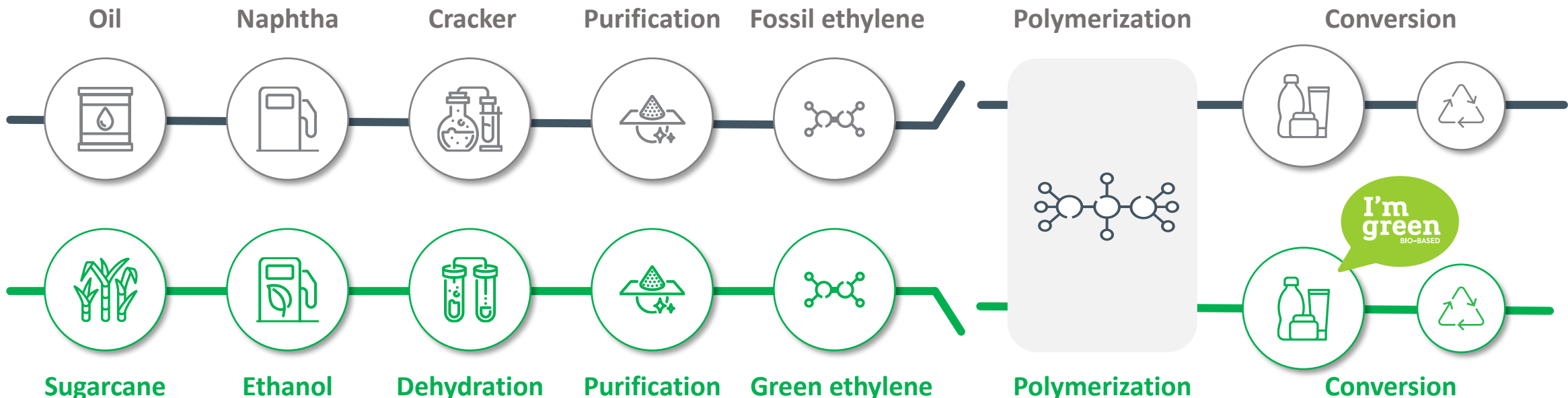
I'm green™ is used in more than **300 products** made from I'm green™ bio-based Green PE



**GREEN PE BIO-BASED (PART OF BRAZIL/SOUTH AMERICA SEGMENT)**

**Green PE has the same properties as fossil-based PE with a different value proposition based on a reduced carbon footprint<sup>1</sup> and certified by C14<sup>1</sup>**

**PE PRODUCTION PROCESS (FOSSIL-BASED AND RENEWABLE)**



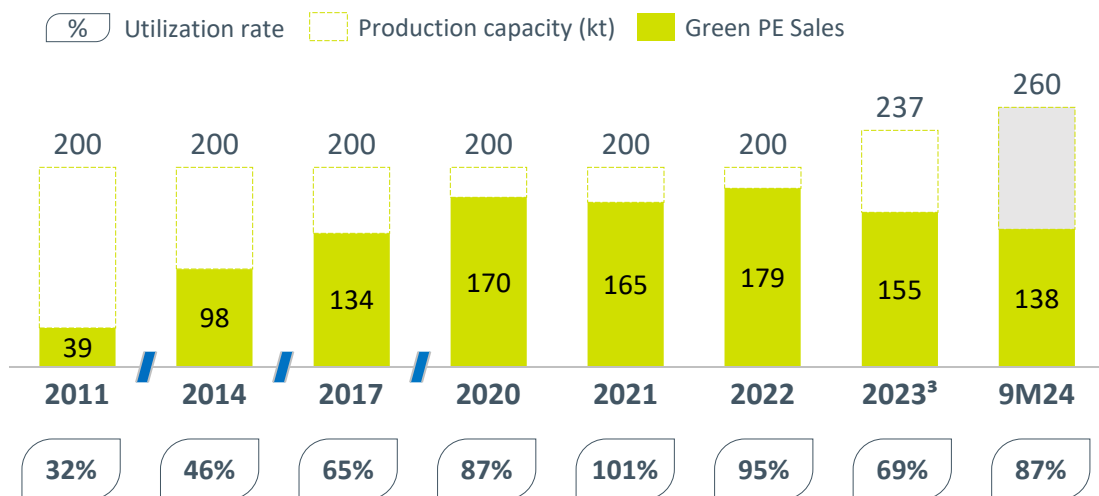
**I'm green™ bio-based PE has the same production route as fossil-based PE with competitive advantages:**

- Contributes to carbon reduction<sup>1</sup>**
- Renewable Feedstock**
- 100% Recyclable**

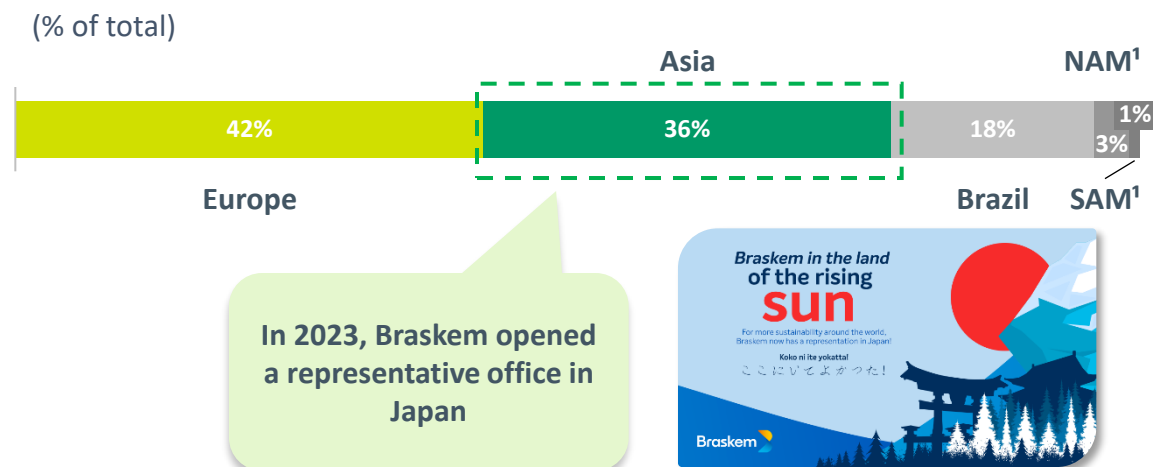
## GREEN PE BIO-BASED (PART OF BRAZIL/SOUTH AMERICA SEGMENT)

# Green PE presents a more resilient result through the petrochemical cycle, compared to fossil-based resins

## GREEN PE PRODUCTION CAPACITY AND SALES



## DESTINATION GREEN PE SALES | AVERAGE 2020-24 YTD



## PROFITABILITY AND PRICING CONCEPTS

- Similar profitability to chemical specialties, with less volatility over time
- Differentiated value proposition with pricing aligned to the feedstock, unrelated to the fossil petrochemical cycle

## BIO-BASED RESINS HAS AN IMPORTANT ROLE FOR EUROPE TO ACHIEVE CARBON NEUTRALITY BY 2050

Estimated use of bio-mass plastics by European converters<sup>2</sup>



Source: Braskem. Note (1): NAM: North America; SAM: South America. Note (2) Source: Plastics Europe, a leading European trading association. Note (3): with the completion of the expansion project of 60 kton of green ethylene capacity at Rio Grande do Sul unit, the utilization rate considers production capacity of: (i) 200 kton per year in 1Q23; (ii) 228 kton per year in 2Q23; and (iii) 260 kton per year in 3Q23 and 4Q23.



# The strategic focus for bio-based Green PE in the short term is to strengthen commercial relationships, prioritizing meeting global market demand, and increasing productivity

## MAIN COMPETITIVE ADVANTAGES



**LARGEST GLOBAL PRODUCER OF BIOPOLYMERS**



**KNOW-HOW OF +14 YEARS OF PRODUCTION**



**HIGH GROWTH POTENTIAL**

## SHORT-TERM LEVERAGES

1

### MARKET DEVELOPMENT

#### Action Focus

- Developing new market segments for the Company's renewable product portfolio
- Global marketing and advocacy of the negative carbon footprint benefits of I'm Green Bio-Based Polyethylene

2

### INCREASING PRODUCTIVITY

#### Action Focus

- Optimize operations and production cycles of current assets, seeking to operate green ethylene production at full capacity

**It's like  
traditional plastic,  
but made from plants**

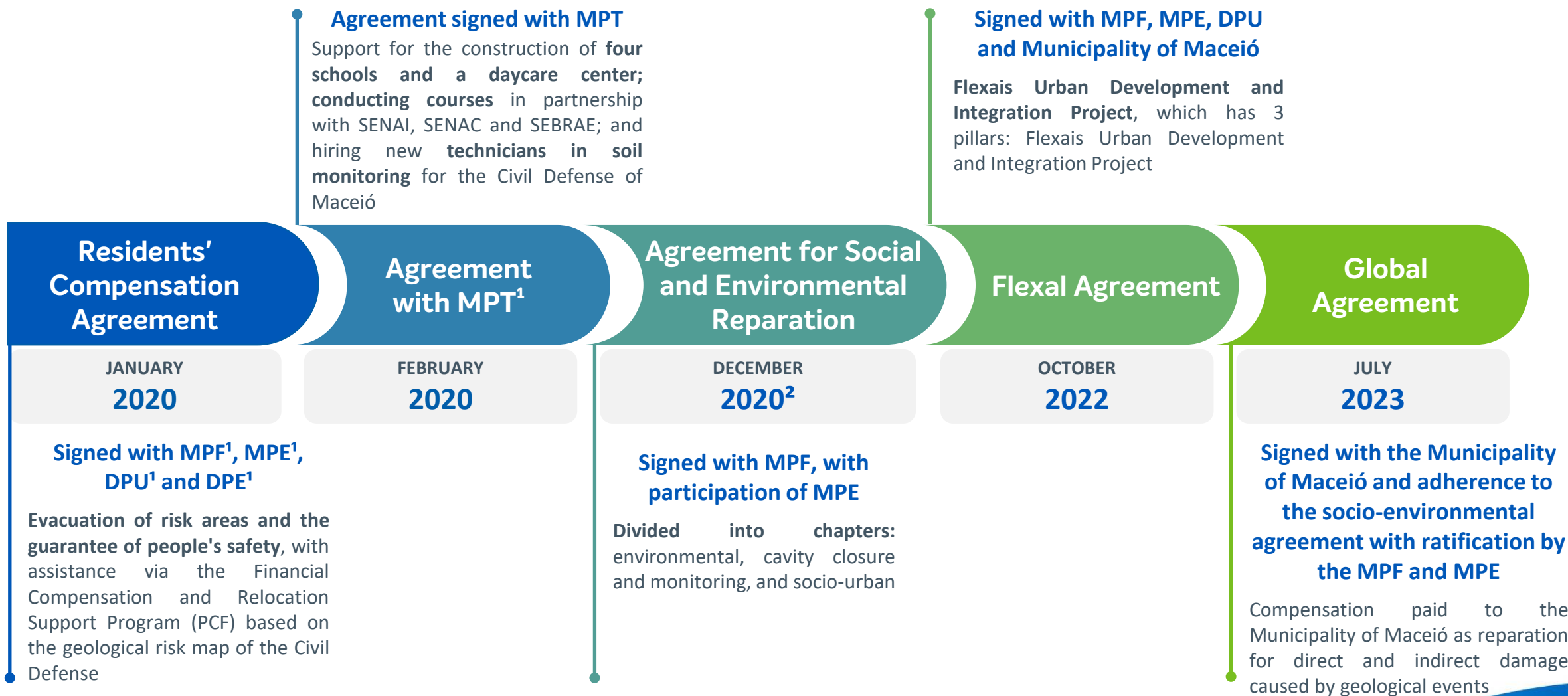
**choose  
plant-based plastic**

# ALAGOAS EVENT

**Pedro Freitas**

CFO

# Since 2019, the Company has been working to solve Alagoas' event together with the public power



# Braskem has made commitments to the community and continues to make progress in completing its action fronts

## BRASKEM'S COMMITMENTS TO MACEIÓ

- 1 Safety of people and social support to affected residents
- 2 Conclusion of the compensation of families and merchants in the vacant areas in the shortest possible time
- 3 Stabilization and continuous monitoring of the soil in the affected areas, using high-tech equipment
- 4 Janitorial and security of the affected areas
- 5 Training, professionalization and support in generating income for impacted residents
- 6 Preservation of the historical heritage of risk areas, culture and cultural manifestations
- 7 Compensation and requalification of public health, education and social care services in the affected areas
- 8 Compensation and requalification of social spaces in the affected areas and urban mobility
- 9 Repair, mitigation and compensation of environmental impacts in the stretches affected by subsidence
- 10 Permanent and transparent accountability

Actions	Current Actions Status <sup>2</sup>	Expectation of Completion
Relocation and Compensation (PCF)	<ul style="list-style-type: none"> <li>➤ Residents Relocation: <b>+99.8%</b></li> <li>➤ Presented Compensation Proposals: <b>99.9%</b></li> <li>➤ Paid Compensation Proposals: <b>98.1%</b></li> </ul>	➤ 1Q25
Cavities' Closing Plan <sup>1</sup>	<ul style="list-style-type: none"> <li>➤ 6 cavities with the fill <b>completed</b></li> <li>➤ 3 cavities are <b>in the process</b> of filling</li> </ul>	➤ 2026
Encosta do Mutange Stabilization and Drainage Project	<ul style="list-style-type: none"> <li>➤ Project progress: <b>more than 85%</b></li> </ul>	➤ 1Q25
Demolition of vacant areas	<ul style="list-style-type: none"> <li>➤ <b>50%</b> of the total area demolished on an emergency basis</li> </ul>	➤ 2026
Urban Mobility Projects	<ul style="list-style-type: none"> <li>➤ <b>5 completed actions</b> out of 11</li> </ul>	➤ 1Q27
Flexal	<ul style="list-style-type: none"> <li>➤ <b>14 actions implemented</b> out of 23 actions provided for in the Flexal Agreement</li> </ul>	➤ 2025
PAS (Socio-Urban Action Plan)	<ul style="list-style-type: none"> <li>➤ Of the <b>48 social compensation measures</b>, <b>03</b> actions are underway in the Culture Axis, <b>02</b> Construction actions are in the land analysis phase and <b>04</b> in the elaboration/validation phase of the conceptual project</li> </ul>	Planning in progress

# On the salt cavity closure and monitoring front, 11 cavities are currently filled and 9 are pressurized

Status of 10/31/2024



Closing Technique	#	Status	Comments
Sand filling (Backfilling)	16	7, 17, 19, 4 11, 25, 27 3, 15, 20, 21, 29, 34 9, 12, 16	6 cavities with the fill completed <sup>1</sup> 3 cavities are in the process of filling 7 cavities are in the preparation and planning phase, including the 3 cavities recently added to the filling group, which would previously have been closed by plugging
Natural Filling	6	5, 6, 8, 14, 18, 24	5 cavities with confirmation of natural fill status <b>Cavity 18:</b> Cavity 18: studies in progress to confirm natural filling, so that the closure of this cavity is approved by the ANM
Plugging <sup>2</sup> and Pressurization	7	1, 10, 13, 30 31, 32, 35	<b>Via original well<sup>3</sup></b> The 7 cavities of this group are pressurized and monitored by piezometer
	6	2, 22, 23 26, 28, 33	<b>Via auxiliary well<sup>3</sup></b> 2 cavities in this group have confirmed pressurization 4 cavities are in progress to verify pressurization, and additional measures may be necessary
<b>Total</b>	<b>35</b>		
Filled	11		
Pressurized	9		
In progress	8		
In preparation	7		

The current salt cavities closure plan is expected to be completed by the end of 2026

Source: Braskem. General note: the Company cannot rule out future developments related to the topic or its associated expenses, and the costs to be incurred by Braskem may differ from its estimates or provisioned amounts. Note (1): cavities 04, 11 and 25 have reached the technical limit for sand injection. Awaiting completion reports from consultants for filling with ANM. Note (2): closure by plugging consists of the implementation of physical barriers to prevent fluid migration between permeable geological formations through the well and/or fluid migration to the surface. Note (3): after the pressure verification process, any additional measures may be necessary.

# Braskem has made progress in the transformation of vacant areas with the expectation of completing the actions by 2026 (1/2)

## Stabilization and drainage project / Demolition - Encosta do Mutange



**BEFORE**



**AFTER**

# Braskem has made progress in the transformation of vacant areas with the expectation of completing the actions by 2026 (2/2)

Example of demolition in the vacant areas



**BEFORE**



**AFTER**



# Of the total of 11 urban mobility actions<sup>1</sup>, 5 have been completed...

05 completed



Duplication of roads:  
Increase in traffic capacity by 66%

**ALAGOAS EVENT**  
**...and 3 have started**

**03 in physical execution**



**Smart traffic lights:  
solution allows optimization of vehicle flow by up to 20%, at peak hours**

# Regarding the Socio-Urban Action Plan and Flexal Requalification Plan, the initiatives continue to be developed

## Socio-Urban Action Plan - PAS

MPF and MPE/AL widely publicized the set of approved actions from the Socio-Urban Action Plan

### EXECUTION

### TYPE OF ACTION

48  
Validated actions

Braskem

30

PREFEITURA DE  
MACEIÓ

18

- 17 Construction Works
- 13 Social Actions + Technical Support for Public Management
  
- 17 Construction Works
- 1 Social Action



Festivity of Children's Day in Bom Parto



Visit with Authorities to Bom Parto

## Flexal Requalification

- The Agreement provides for the implementation of measures to reverse socioeconomic isolation through a total of 23 actions. Of these established actions, 14 have been implemented, 4 are in progress, and 5 are planned to start in the coming months
- Financial Support Program (PAF): 1,798 payments completed (99.3% of the proposals)



Road Requalification



Basic Health Unit (UBS)

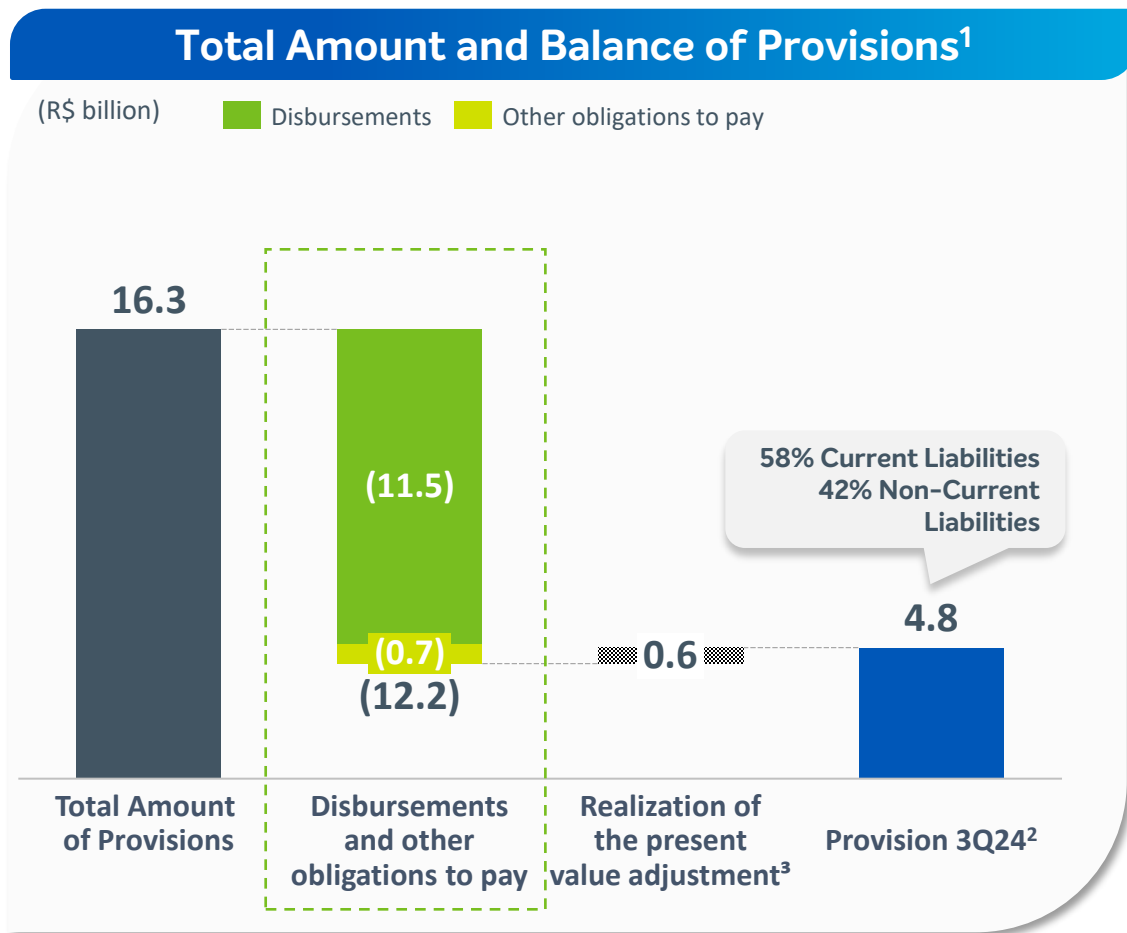


School/Nursery



Residents' visit to the construction site

# Activities and disbursements are on schedule for the fronts, and at the end of 3Q24 the balance of the provision was R\$4.8 billion



	WORK FRONTS	TOTAL PROVISION	PAYMENTS AND RECLASSIFICATIONS	AVP <sup>3</sup>	PROVISION 3Q24
(R\$ billion)					
1	REALLOCATION AND COMPENSATION	5.8	-4.8	0.1	1.2
2	CLOSURE AND MONITORING OF SALT CAVITIES	4.3	-2.9	0.2	1.5
3	SOCIO-URBANISTIC MEASURES	1.9	-0.8	0.2	1.3
4	ADDITIONAL MEASURES	4.3	-3.6	0.1	0.8
<b>TOTAL R\$ bi</b>		<b>16.3</b>	<b>12.2</b>	<b>0.6</b>	<b>4.8</b>

The Company cannot rule out future developments related to the topic or its associated expenses, and the costs to be incurred by Braskem may differ from its estimates or provisioned amounts

Source: Braskem. Note (1): the total amount of provisions related to Alagoas is R\$16.3 billion, of which: R\$11.5 billion have already been disbursed, R\$715 million have been reclassified to the Other obligations group and the realization of the AVP (adjustment to present value) was R\$0.6 billion. Note (2): the net balance of provisions at the end of June/24 was approximately R\$4.8 billion and remained unchanged at the end of September/24. Note (3): Adjustment to the present value.

# FINANCIAL RESULTS

Pedro Freitas

CFO

# Braskem adopts a conservative financial strategy to limit the risks associated with exposure to the cyclical and capital-intensive nature of its businesses

CONCEPTUAL

## MAIN MITIGATION MECHANISMS FOR EACH RISK

### 1 Liquidity Risk

- **Maintaining a robust cash position**, to ensure permanent compliance with the Company's financial obligations
- **Calculation of Minimum Cash** based on "month view" and "year view" (~US\$1.5 – US\$1.8 bi)

### 2 FX Risk

- **Braskem is a highly dollarized company**; in structural terms, both its revenues and most of its costs are denominated or indexed to the dollar
- In addition, the Company reduced its exchange rate risk **by establishing a Long-Term Exchange Rate Hedge Program**

### 3 Commodity Risk

- In the petrochemical industry, **the prices of feedstock and products have a strong correlation**, creating a natural hedge over time
- In addition, commodity risks can be mitigated **by contracting commodity hedge operations**

### 4 Default Risk

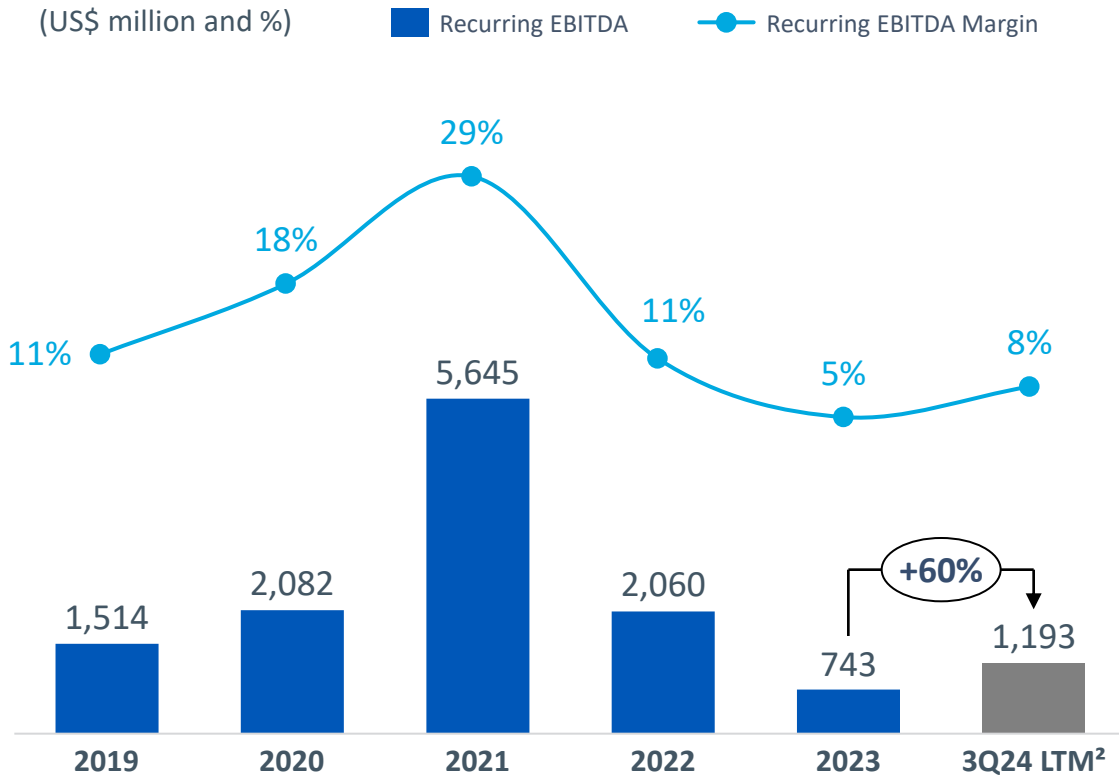
- **Development of a credit rating system** for all client receivables in Brazil and abroad, with around 80-90% of the company's receivables **having a minimum or low risk rating**

Braskem is exposed to risks (liquidity, FX, commodity prices variations, default and among others)  
However, the Company has mitigation mechanisms for these risks to protect its cash generation

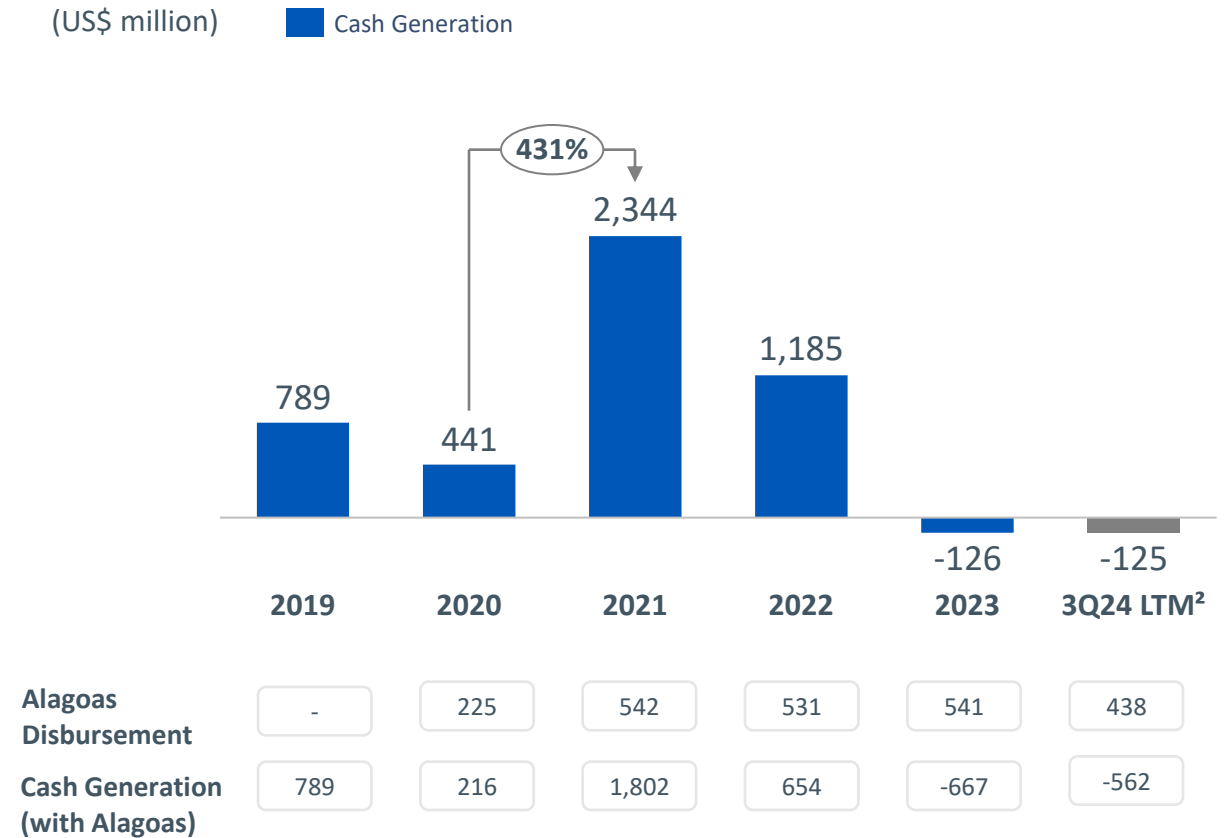
## FINANCIAL RESULTS

Given the cyclical nature of the petrochemical sector, Braskem maintains its focus on disciplined capital management, with an emphasis on operational cash generation...

### Recurring EBITDA<sup>1</sup> and Margin

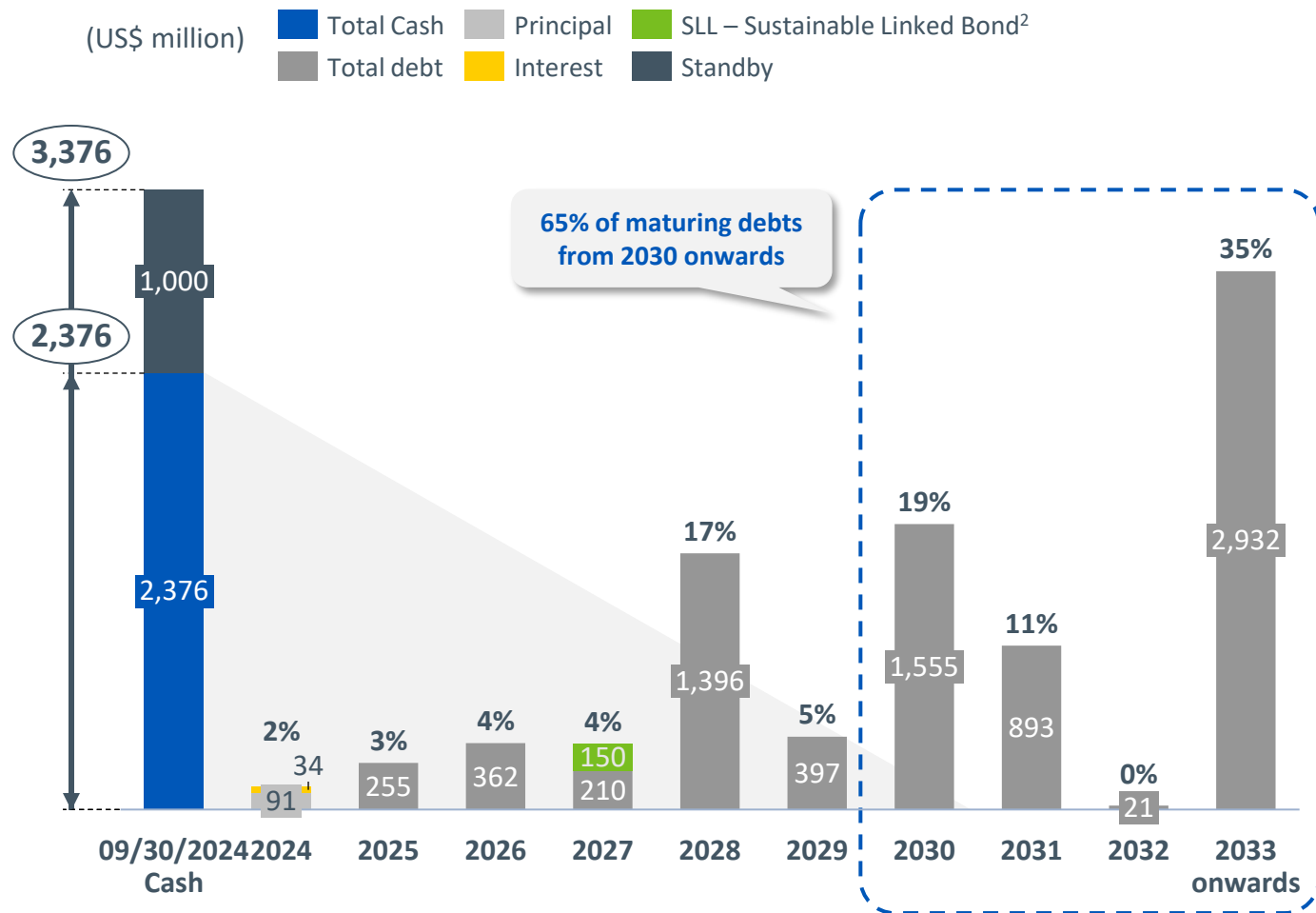


### Cash Generation (ex-Alagoas)



# ... and maintaining Braskem's very long debt profile

## Debt Profile (ex-Braskem Idesa) 09/30/2024<sup>1</sup>



## Debt Indicators

- Liquidity to cover debt maturities: **52 months<sup>3</sup>**
- Average Debt Ratio: **~11 years**
- Weighted average cost of debt: exchange rate variation + **6.14%<sup>4</sup>**
- Corporate** leverage: **5.76x**
- Adjusted Net Debt** (ex-Braskem Idesa): **~US\$5.7 billion<sup>5</sup>**

### New Bond 2034<sup>6</sup>

- ~ US\$4.5 billion** | Orders obtained from more than 300 investors
- ~ US\$850 million** | Issued amount
- 8.00% p.a.** | Interest
- Use of resources** | Hybrid Bond buyback, debt repayment (2024/25)
- Date of issue** | 10/09/2024

Agency	Rating	Prospect	Date
Fitch	BB+	Negative	10/07/2024
S&P	BB+	Negative	10/07/2024

Source: Braskem | Note (1): Does not consider the amount of US\$ 27 million allocated to the Financial Compensation and Relocation Support Program in Alagoas and does not consider Braskem Idesa's debt; (2): Sustainability Linked Loan – debts linked to the sustainability goal (growth in sales volume of the I'm green™ bio-based Green PE); (3): Does not consider the Standby – Revolving Credit Facility in the amount of US\$ 1 billion maturing in 2026; (4): Does not consider Braskem Idesa's Debt; (5): Does not include the debt of Braskem Idesa and TQPM, includes the Leniency Agreement and considers the equity treatment for 50% of the hybrid bond according to the methodologies for calculating leverage of the Standard & Poor's and Fitch Ratings agencies; (6) The new bond does not affect the Company's debt profile in 3Q24



The Company has principles for a conservative financial strategy, focusing on cash generation and resumption of investment grade by rating agencies, seeking to mitigate the effects of petrochemical cycles

PRINCIPLES | STRATEGIC DIRECTION



Shareholder Value Creation

- Balancing the capital allocation, returning value to shareholders over the cycle, generating a positive impact for all stakeholders



Maintenance of a robust cash position and long debt profile



Leverage target throughout the cycle of 2.5x<sup>1</sup>, in line with rating agency expectations



Accelerate initiatives related to growth avenues by forming financial and strategic partnerships



Ensuring cash generation throughout the petrochemical cycles, balancing maintenance investments with growth investments



Maximizing shareholder value throughout the petrochemical cycles

# STRATEGIC DIRECTION

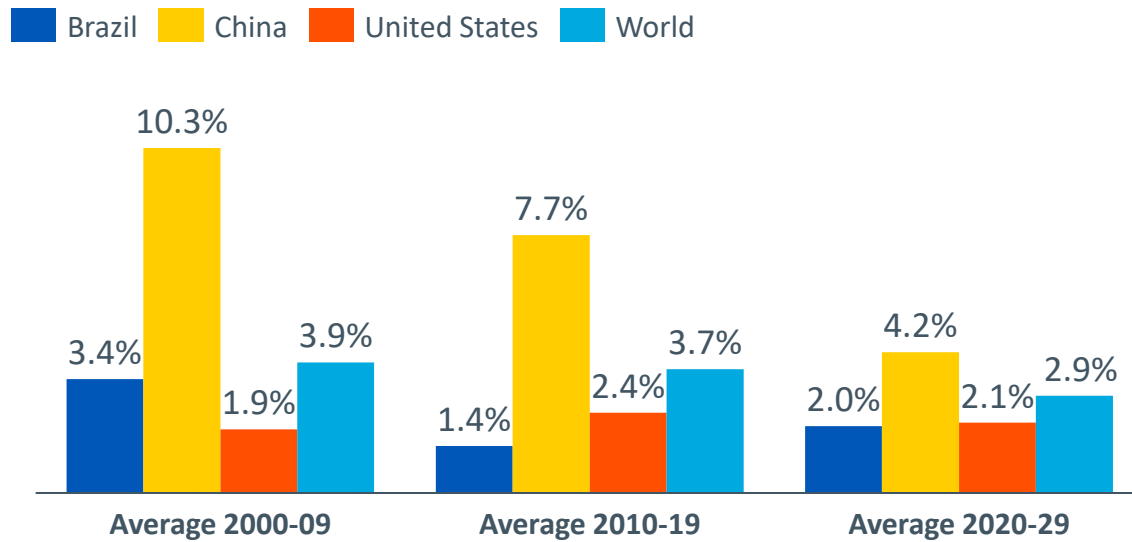
**Rosana Avolio**

Investor Relations, Strategic Planning and Corporate  
Market Intelligence Director

## STRATEGIC DIRECTION

Regarding the outlook, it is expected that the global GDP will continue to grow, as well as the demand for chemicals and petrochemicals, which have a high correlation with the global GDP

### Global GDP Projection<sup>1</sup>



### Considerations:

- ▶ Global GDP continues to grow, however at a slower pace than in the last decade
- ▶ Petrochemical industry players have announced asset reviews and/or capacity shutdowns

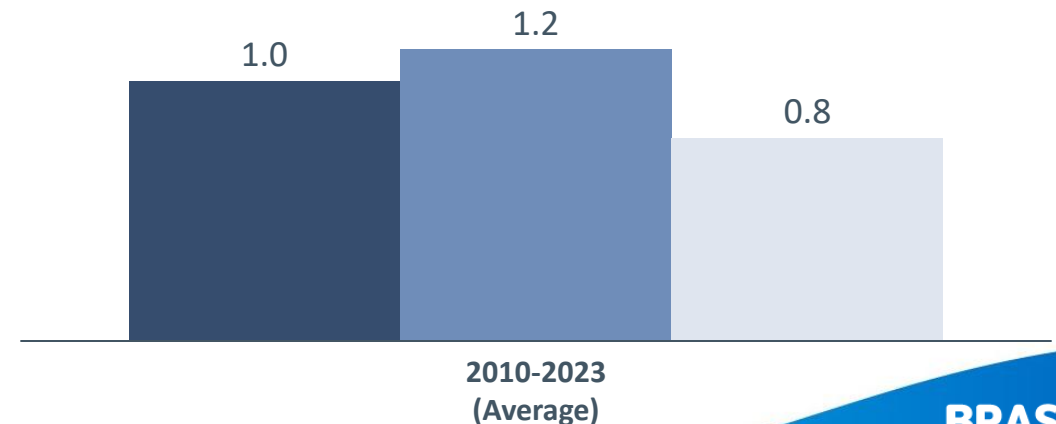
### Demand growth for Resins x Global GDP

- ▶ The petrochemical industry is present in almost all economic activities, and the products produced by the sector serve as inputs for most sectors of the economy (automobile industry, construction, food, electronics, etc.)
- ▶ Due to this characteristic, **demand in the sector is directly linked to the pace of activity in the global economy**

### PE, PP and PVC Global Demand Elasticity / Global GDP

Ratio (x)

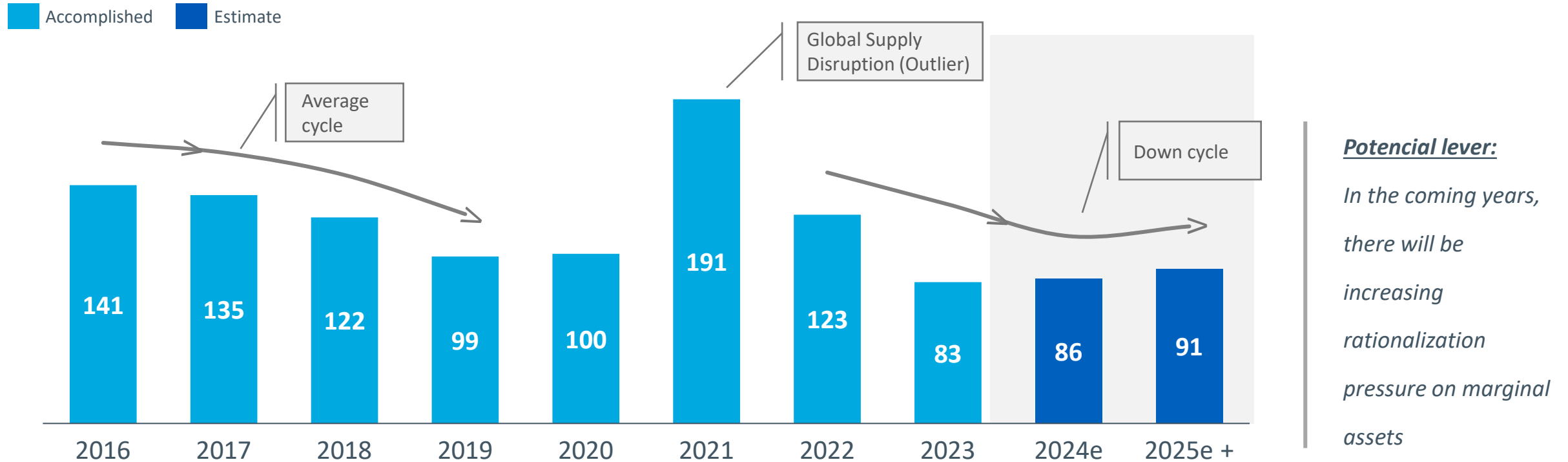
Legend: PE (Dark Blue), PP (Medium Blue), PVC (Light Blue)



## STRATEGIC DIRECTION

In the next cycle, a gradual recovery of spreads in general is expected, due to a better balance, year on year, between global supply and demand. Rationalization of the industry could speed up this recovery

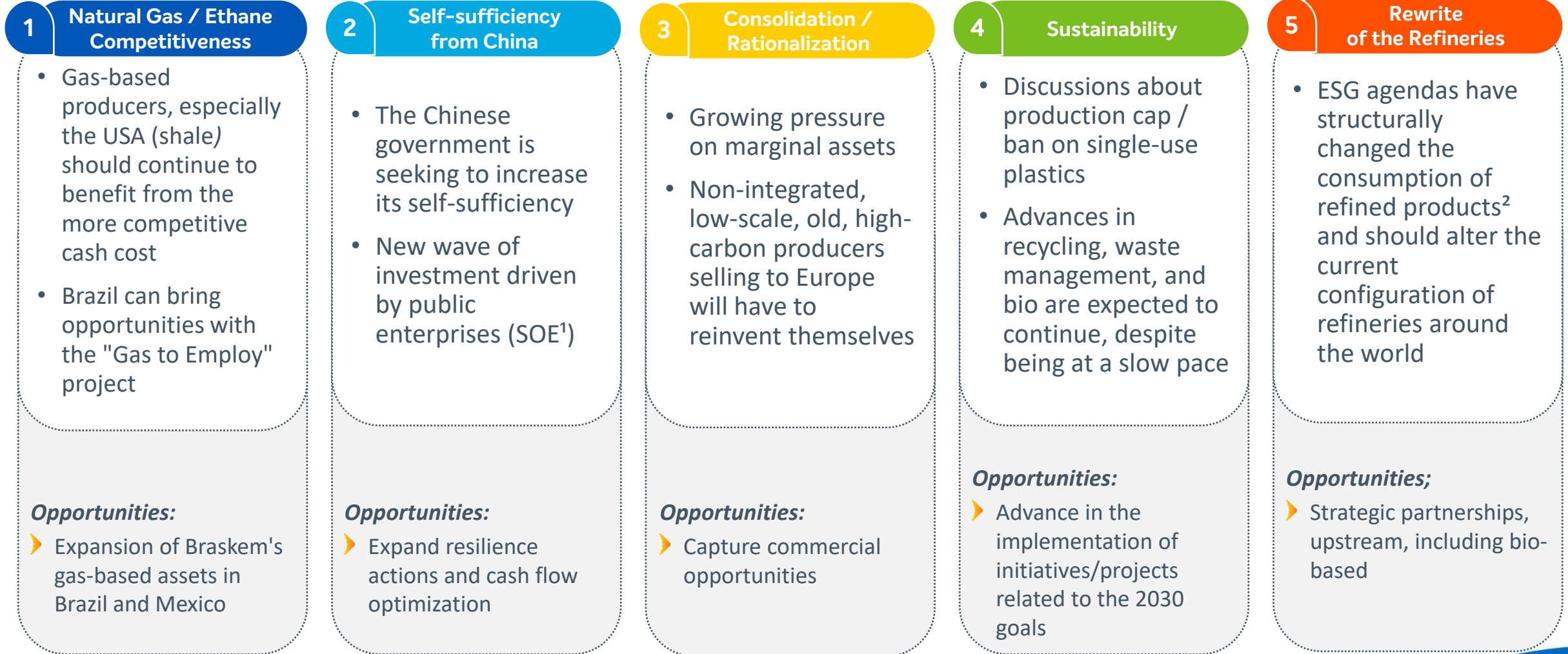
### Consolidated Spread<sup>1</sup> Base 100 = Year 2000



The consolidated spread (base 100) is a proxy to measure the impact of the market scenario on the spreads of Braskem products. In this analysis, all variables are kept constant, except price references.

## STRATEGIC DIRECTION

# In the coming years, five major recent trends are expected to continue or grow in importance in the petrochemical industry



## STRATEGIC DIRECTION

In this scenario, the Company will focus its efforts on the action fronts that balance the optimization of the existing asset portfolio with the implementation of its growth strategy

1

### RESILIENCE AND FINANCIAL HEALTH

- Implement initiatives to **mitigate the impacts of the industry's down cycle**

FOCUS: MAXIMIZATION OF CASH GENERATION

2

### BUSINESS GROWTH

- Implement the Company's **growth ambitions**, leveraging its competencies and **strategic differentials**

FOCUS: ADDITIONAL CASH CONTRIBUTION

SUPPORTED BY CORPORATE STRATEGY



### Shareholder Value Creation

- Balance capital allocation, returning value to shareholders throughout the cycle, generating a positive impact for all stakeholders

## STRATEGIC DIRECTION

In resilience and financial health, the Company will continue to advance in the implementation of resilience initiatives on its various fronts, incorporating new ones, with a focus on its cash flow

1

### RESILIENCE AND HEALTH

#### STRATEGIC DIRECTION

##### Commercial

Seek to maximize higher value-added sales in Brazil and maintain market leadership in the USA and Mexico

##### Operational

Prioritize maintenance investments in competitive assets while advancing global asset valuation studies

##### Feedstock

Ensure access to competitive feedstock for the assets, in addition to seeking new sources of sustainable feedstock

##### Financial

Seek to maintain liquidity, focusing on cash flow, manage gross debt to recover investment grade

##### Brazilian Industry

Support industry associations in developing initiatives to mitigate the competitiveness *gap* in Brazilian industry

##### Business Model

Capture value through the business models implemented in recent years

#### 2024 DELIVERABLES (9M24)

EBITDA	Cash Generation
~US\$212 MM	~US\$279 MM

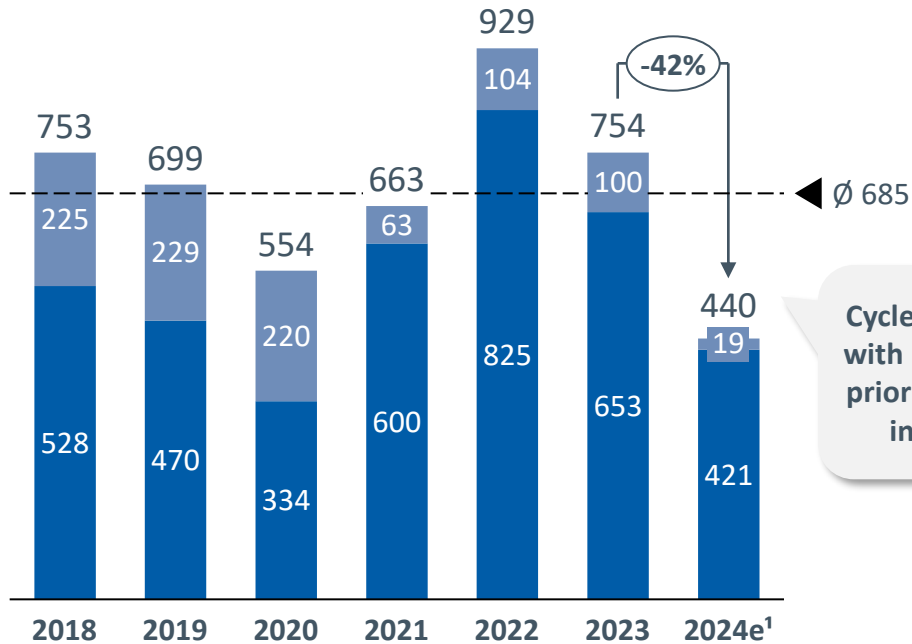
## STRATEGIC DIRECTION

On the operational front, the Company will keep its focus on prioritizing investments in asset maintenance, considering their competitiveness

### Operational and Strategic CAPEX

(US\$ million)  
Braskem ex-BI

■ Strategic ■ Operational



Cycle Focus: in line with historic trend, prioritizing growth investments

To optimize CAPEX for the next cycle, Braskem considers operational and safety assumptions, and asset prioritization

#### OPERATIONAL ASSUMPTIONS



#### ASSET PRIORITIZATION



- PRIORITIZED ASSETS**  
*More competitive assets in an integrated vision*
- RELEVANT ASSETS**  
*Important assets with eventual interruption with less impact*
- MARGINAL ASSETS**  
*Assets with a product mix that can be partially or fully reallocated*

Through this approach, the Company seeks to balance the investments allocation in more competitive assets, in addition to ensuring the integrity, reliability and safety of assets



## STRATEGIC DIRECTION

In 2025, Braskem will continue to be committed to selective growth as a way of sustaining the company in the future, prioritizing investments related to the 2030 strategy

2

## GROWTH

### STRATEGIC DIRECTION FOCUS FOR THE CYCLE



#### Traditional Business

Maximize the **competitiveness of Feedstock globally** by diversifying the Company's profile

Prioritize **selective investments** in projects to **increase capacity in gas base assets, such as in Rio de Janeiro and Mexico**

Advancing **the decarbonization of current assets**

Creating value through **logistics and global chartering**, increasing reliability, and reducing total costs and emissions



#### Bio-based

Accelerating the **growth** strategy **through partnerships**

**Advocacy** to promote demand for bio-based products

Identify **new technologies** with potential opportunities for new products and/or cost optimization

**Diversifying the bio-based portfolio** by developing new solutions such as Green PP, Green Butadiene, Green Acetone and Green PVC



#### Recycling

**Intensifying global advocacy** to boost the circular economy

Consolidate portfolio of current initiatives to **maximize profitability**

Advancing the unlocking of **new technologies and business models**

Advancing the **chemical recycling strategy**

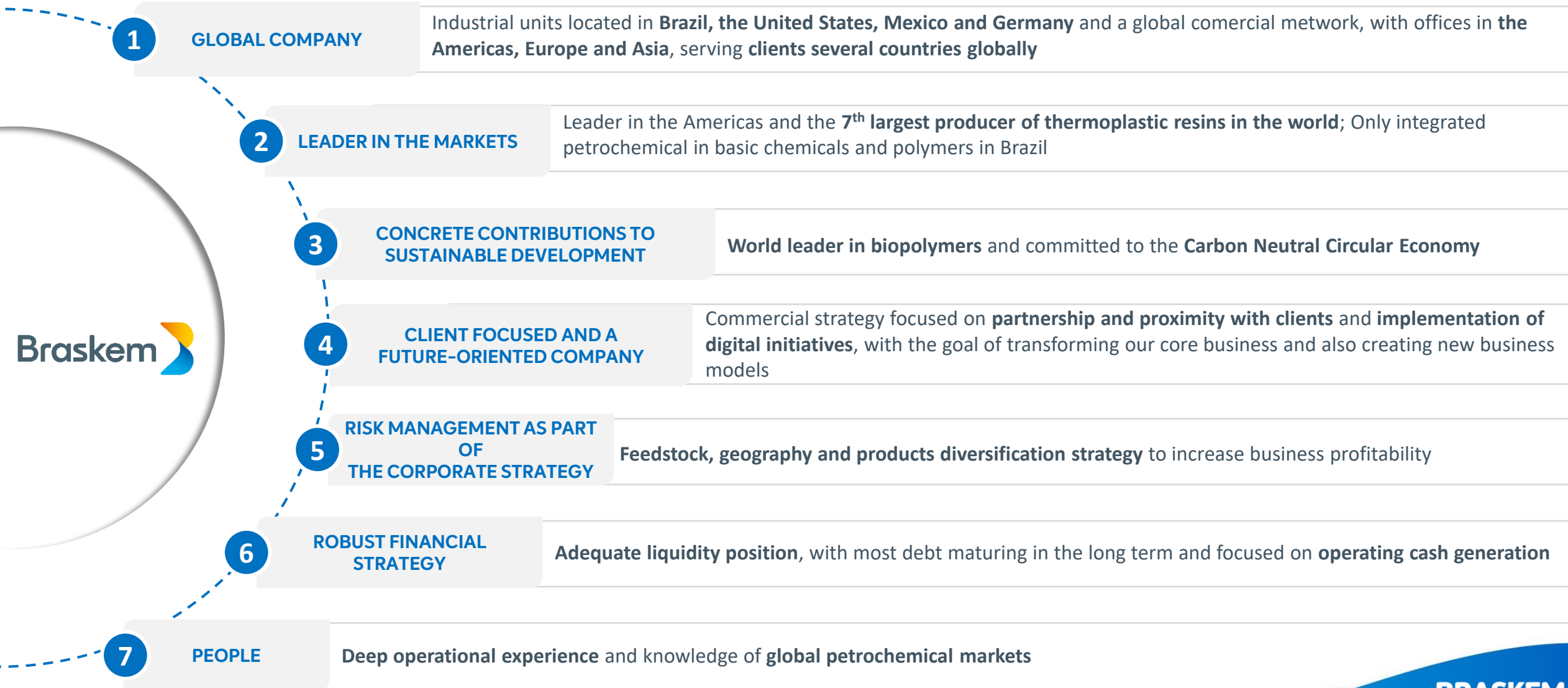
# FINAL REMARKS

**Roberto Bischoff**

Business Leader

## FINAL REMARKS

# It is important to highlight the main competencies that Braskem has and that allow it to capture opportunities throughout the petrochemical cycles



## FINAL REMARKS

The Company's competencies aligned with the efficiency and growth initiatives will be essential for the expected value creation until 2030

## STRATEGIC DIRECTION



EXPECTED  
VALUE  
CAPTURE

EBITDA<sup>1</sup> (run-rate)  
~US\$400 MM

EXPECTED  
VALUE  
CAPTURE

EBITDA<sup>1</sup>  
~US\$700-900 MM

# BRASKEM

## DAY 24

## Investor Relations

---

RI Website: <https://www.braskem-ri.com.br/>

E-mail: [braskem-ri@braskem.com.br](mailto:braskem-ri@braskem.com.br)

Contact: +55 (11) 3576-9531



**BRASKEM**  
**DAY** 24

**Q&A**