















# **DISCLAIMER ON FORWARD-LOOKING STATEMENTS**

This presentation includes forward-looking statements. These forward-looking statements are not solely historical data, but rather reflect the targets and expectations of Braskem's management. The terms "anticipate," "believe," "expect," "foresee," "intend," "plan," "estimate," "project," "aim" and similar terms are used to indicate forward-looking statements. Although we believe these forward-looking statements are based on reasonable assumptions, they are subject to various risks and uncertainties and are prepared using the information currently available to Braskem.

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Braskem assumes no liability for transactions or investment decisions taken based on the information in this presentation.

# **3Q16 HIGHLIGHTS**



#### **Brazil:**

- Demand for resins (PE, PP and PVC) was 1.3 million tons in 3Q16, growing 8% from 2Q16 and 6% from 3Q15.
- Braskem's crackers in Brazil set a new record for average capacity utilization rate of 96%, higher 2% from 2Q16 and 4% from the 3Q15.
- To meet the stronger demand in the Brazilian market, Braskem reduced its resin exports by 7% compared to 2Q16 and 3Q15. Exports of basic petrochemicals was 11% higher than in 2Q16.
- The units in Brazil, posted EBITDA of R\$2,206 million to account for 75% of the Company's consolidated EBITDA.

#### **United States and Europe:**

- The PP plants operated at an average capacity utilization rate of 101% in 3Q16, reflecting the good operating efficiency. Production amounted to 512 kton, growing 4% from 3Q15.
- Sales amounted 516 thousand tons representing a 3% expansion compared to 3Q15.
- The units in the United States and Europe posted EBITDA of US\$161 million (R\$524 million) in 3Q16, accounting for 18% of consolidated EBITDA.

#### Mexico:

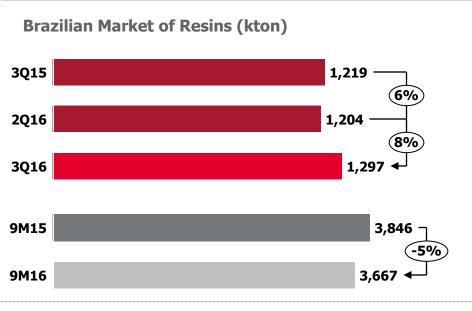
- Still in the ramp-up phase, the polyethylene plants operated at an average capacity utilization rate of 63% in 3Q16, increasing 31 p.p. from 2Q16.
- The segment posted EBITDA of US\$66 million (R\$214 million) to account for 7% of the Company's consolidated EBITDA.

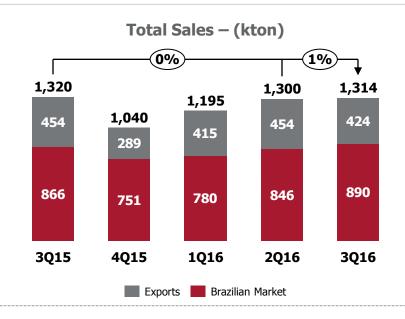
#### **Braskem - Consolidated:**

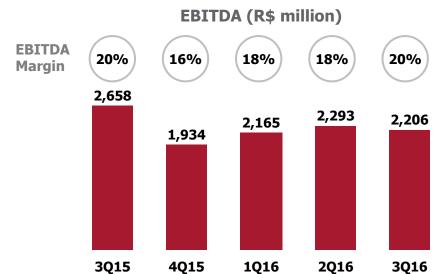
- Braskem's consolidated EBITDA was US\$924 million, increasing 8% compared to 2Q16 and 6% compared to 3Q15.
- Corporate leverage, as measured by the ratio of Net Debt to EBITDA in U.S. dollar, stood at 1.63 times, which is the lowest level in 12 years.
- In September 2016, the Board of Directors of the Company approved the distribution of interim dividends for fiscal year 2015, in the amount of R\$ 1 billion, which were paid in October 2016.

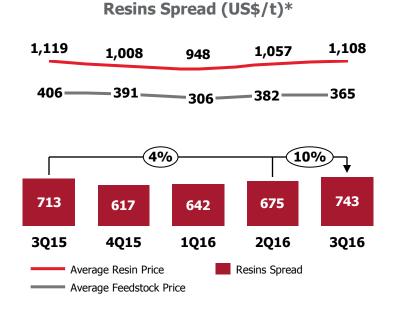
## **BRAZIL**











### **UNITED STATES AND EUROPE**

3Q15

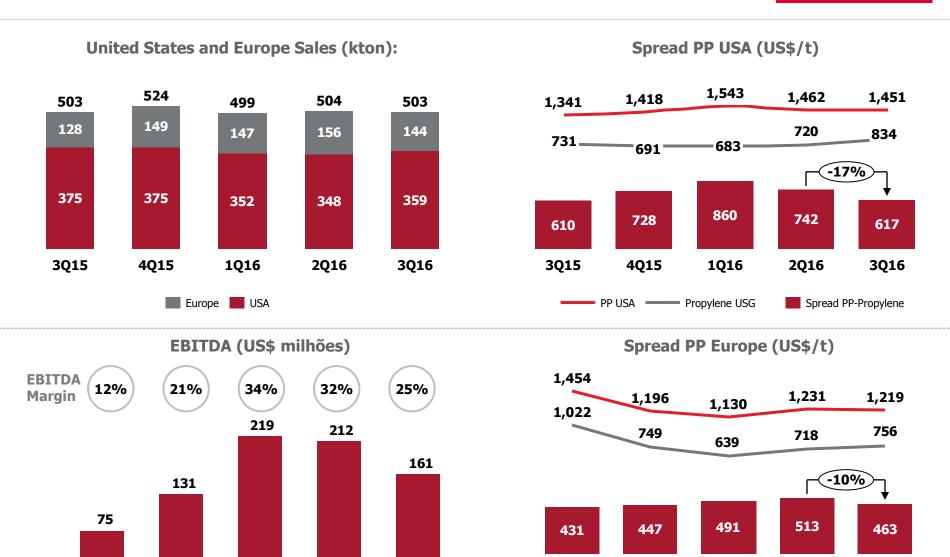
**4Q15** 

**1Q16** 

**2Q16** 

3Q16





3Q15

**4Q15** 

PP Europe Propylene Europe

**1Q16** 

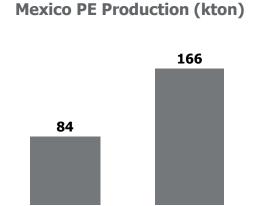
**2Q16** 

**3Q16** 

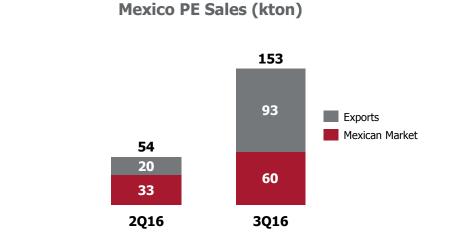
Spread PP-Propylene

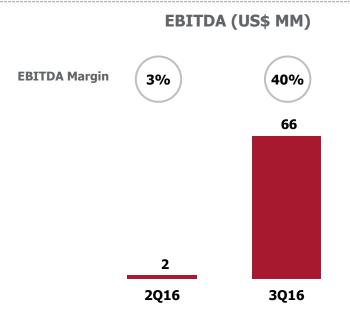
# **MEXICO**



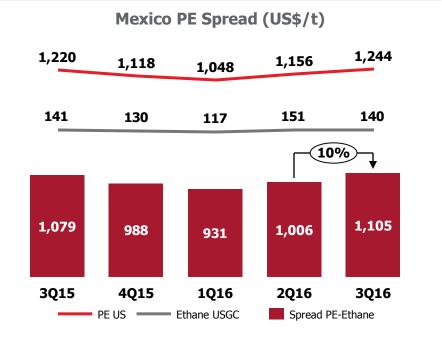


**3Q16** 





**2Q16** 



# EBITDA 3Q16 vs. 2Q16





Avg. FX 2Q16: 3.51 R\$/US\$ Avg. FX 3Q16: 3.25 R\$/US\$

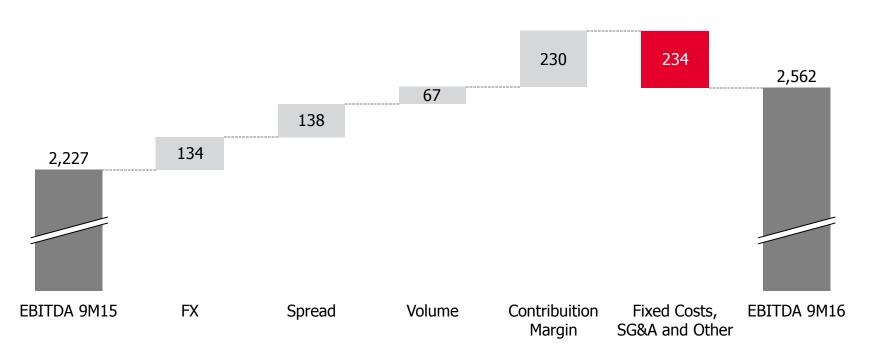
## EBITDA 9M16 *vs.* 9M15



US\$ million

9M16 EBITDA amounted to US\$ 2,562 million, 15% up to 9M15:

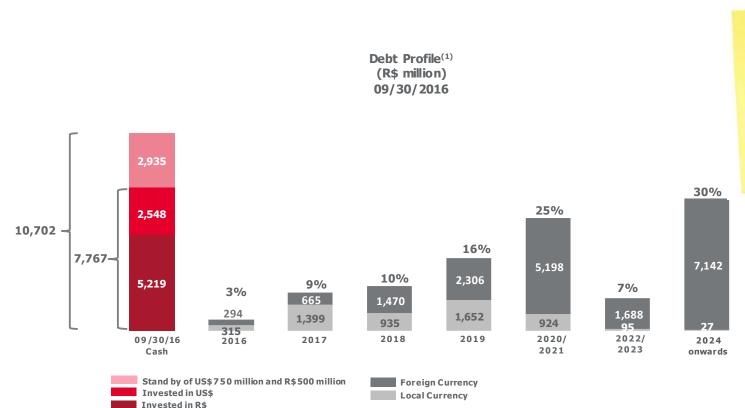
- Better spread for PP in USA and Europe;
- Higher exports volume and sales volume in the International Units;
- The Mexico unit beginning to generate results;
- Offset by the higher fixed costs and SG&A expenses due to the increases in wages and benefits, logistics expenses, legal fees and advertising expenses.



Avg. FX 9M15: 3.16 R\$/US\$ Avg. FX 9M16: 3.55 R\$/US\$

### **AMORTIZATION SCHEDULE AND DEBT PROFILE**





(09/30/16 - R\$ million)

Gross Debt: R\$ 24,183

Net Debt: R\$ 16,415

Avg. Debt Term: 15 years

Debt Coverage: 38 months

Avg. Cost of Debt: 6.14% (US\$) and
10.19% (R\$)

(1) Does not consider discounts from transaction costs

### **Net Debt/ EBITDA (US\$)**

US\$ million	3T15	2T16	3T16
Net Debt <sup>(a)</sup>	5,706	5,553	5,057
EBITDA (LTM)	2,788	3,109	3,097
Net Debt/EBITDA	2.05x	1.79x	1.63x

### **Corporate Credit Rating**

Agência	Rating	Perspectiva	Data	
Escala Global				
Moody's	Ba1	Negative	02/25/2016	
Fitch	BBB-	Stable	09/30/2016	
S&P	BBB-	Negative	02/17/2016	

### **CAPEX**



- Braskem invested\* R\$665 million in 3Q16.
- In the first nine months of 2016, investments came to R\$2,218 million, as follows:
  - o Braskem contributions to the Mexico Project: R\$1,195 million (54%);
  - o Investments to maintain the operating reliability of plants: R\$828 million (37%);
  - o Other strategic projects: R\$194 million (9%).
- Of the R\$2,218 million invested in 9M16, R\$1,363 million (61%) is related to investments linked to US dollars: (i) operating and strategic investments of the international businesses and (ii) Braskem's equity contributions to the Braskem Idesa.

Investments									
Million	2Q16		3Q16		9M16		2016e		
Operational (R\$)	301	37%	338	51%	828	37%	1,797	49%	
Brazil (R\$)	292		337		815		1,601		
United States and Europe (US\$)	6		8		15		48		
Mexico (R\$)	426	53%	253	38%	1,195	54%	1,327	36%	
Mexico (US\$)	121	-	80		330		329		
Strategic Projects (R\$)	79	10%	73	11%	194	9%	537	15%	
Brazil (R\$)	13		22		40		255		
United States and Europe (US\$)	17		14		40		69		
Total (R\$)	807	100%	665	100%	2,218	100%	3,661	100%	
Brazil (R\$)	305		358		855		1,855		
Mexico, United States and Europe (US\$)	143		102		385		447		

### PETROCHEMICAL SCENARIO - ETHYLENE

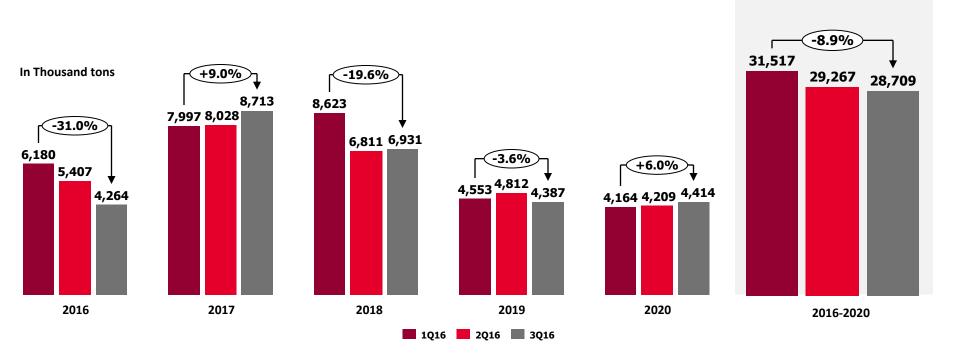


### **New Capacity: Quarterly Vision**

### **Greenfield projects postponed**

- U.S.: American players new capacity startup postponed
- China/Asia: (i) High cost of investment; (ii) Infrastructure issues; (iii) Attractiveness of coal-based projects relative to lower naphtha prices.

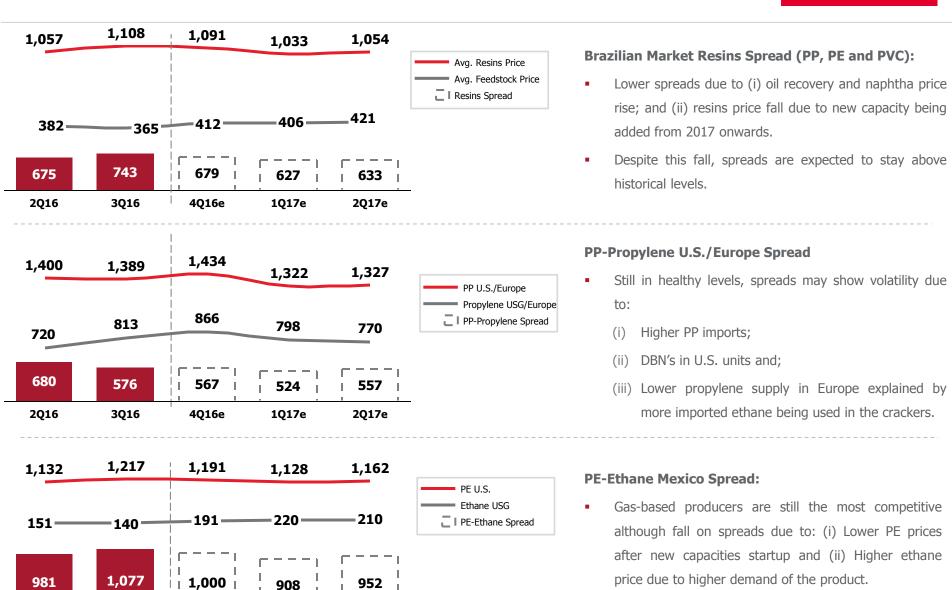
Latest IHS forecast shows reduction of 8.9% in the total capacity addition in the 2016-2020 period



Source: IHS 11

## **PETROCHEMICAL SCENARIO - RESINS**





Source: IHS

2Q17e

1Q17e

2Q16

3Q16

4Q16e

### **BRASKEM PRIORITIES 2016**



#### Brazil:

- To ensure operating efficiency to supply Brazilian demand
- To assure the export of the surplus volume not sold in the Brazilian market
- To implement a maintenance shutdown in one of the cracker lines in Bahia
- To implement the feedstock flexibility project in Bahia

### U.S./Europe:

- To ensure operational and commercial efficiency
- Seek PP growth opportunities from competitive propylene in the U.S.
- Commissioning of UTEC's new Texas plant

#### Mexico:

- To ensure the operational stability of the complex
- To sell PE in the domestic market, consolidating the relationship with clients in the Mexican market
- To export from Mexico, benefiting from synergies with the operations of Braskem in US, Europe and South America
- Liquidity/Financial Health:
  - Focus on cash generation
  - Continue to implement the expense reduction program, generating potential recurring savings of R\$400 million per year, which should be fully achieved in 2017
- Internal investigation process:
  - Advancing the dialogue with authorities to find a solution.















