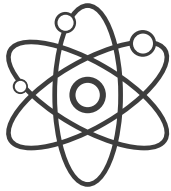


## BELIEF AND PURPOSE

BRASKEM IS DEDICATED TO CREATING SUSTAINABLE SOLUTIONS IN THE CHEMICAL SECTOR, WITH THE OBJECTIVE OF IMPROVING PEOPLE'S LIVES

### BELIEF



**Plastics and  
chemicals make  
life better**

### PURPOSE



**Improve people's  
lives by creating  
sustainable solutions  
through chemicals and  
plastics**

### CONTRIBUTION



Wide and diversified portfolio of chemicals, specialties, thermoplastic resins, biopolymers and recycled products that **meet daily human needs and make people's lives better**

# ADDITIONALLY, AT THE END OF 2020, BRASKEM HAS RENEWED ITS COMMITMENTS TO SUSTAINABLE DEVELOPMENT CONSIDERING GLOBAL CHALLENGES AND TRENDS...

## PILLARS OF ACTION

1

### SOCIAL RESPONSIBILITY AND HUMAN RIGHTS



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

2

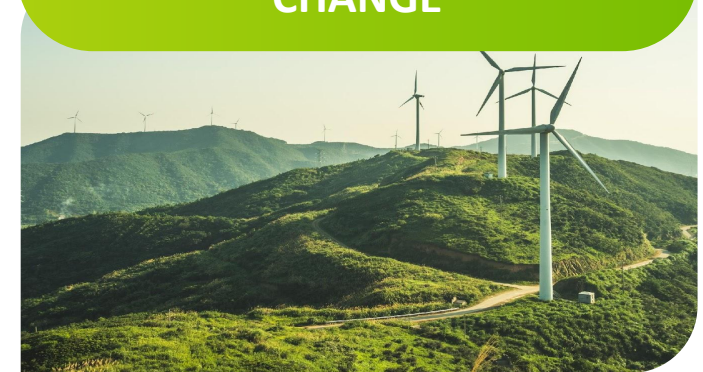
### ELIMINATING PLASTIC WASTE



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

3

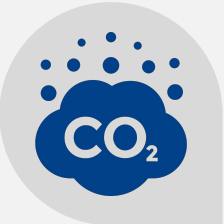
### COMBATING CLIMATE CHANGE



To be a **GLOBAL REFERENCE IN THE SECTOR** and a key player in removing CO2 emissions through the use of renewable feedstock

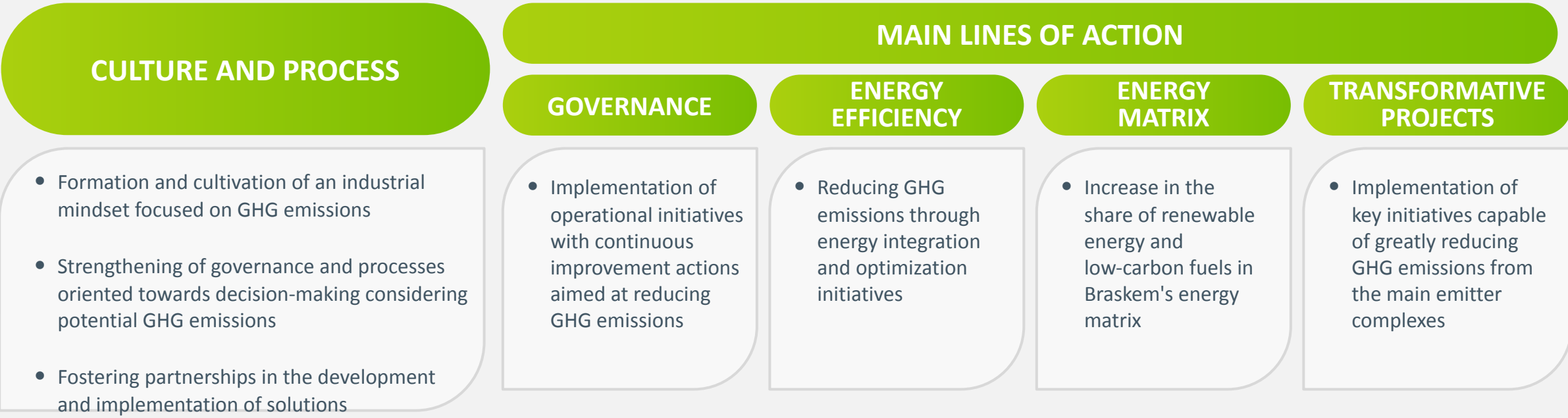
# BRASKEM CREATED THE INDUSTRIAL DECARBONIZATION PROGRAM IN 2021 TO MOVE FORWARD WITH THE EMISSION REDUCTION WORK FRONT

## EMISSIONS REDUCTIONS



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

## PILLARS

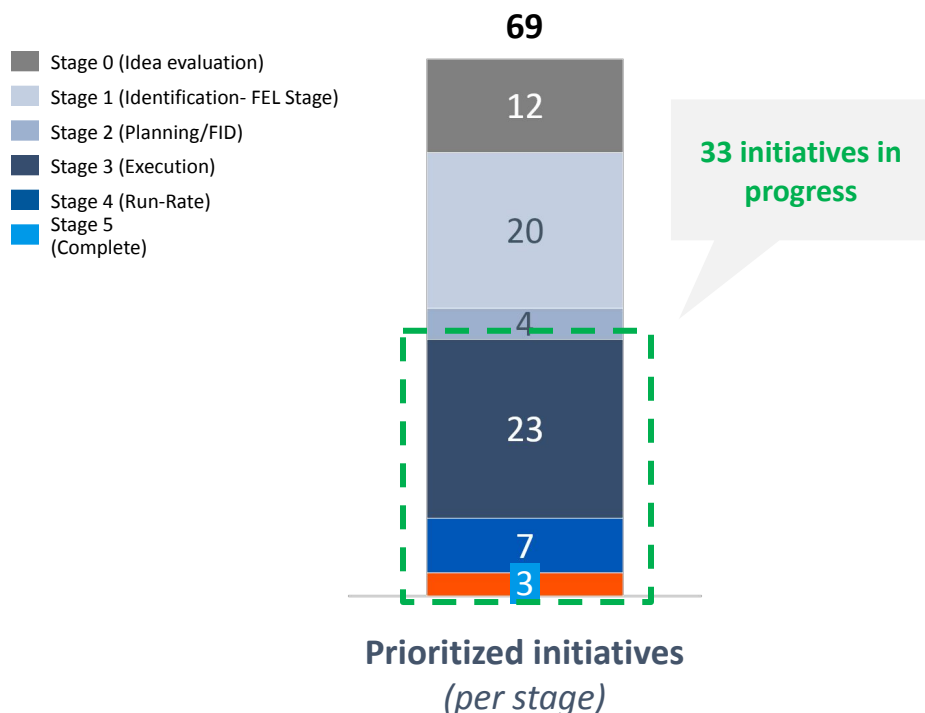


# AMONG THE 161 INITIATIVES MAPPED, WE HAVE 69 PRIORITIZED INITIATIVES<sup>1</sup> WITH A POTENTIAL TO REDUCE ~3.4 MMT CO<sub>2</sub>e, CONSIDERING UNCERTAINTIES, MATURITY STAGE AND NPV

## CARBON REDUCTION

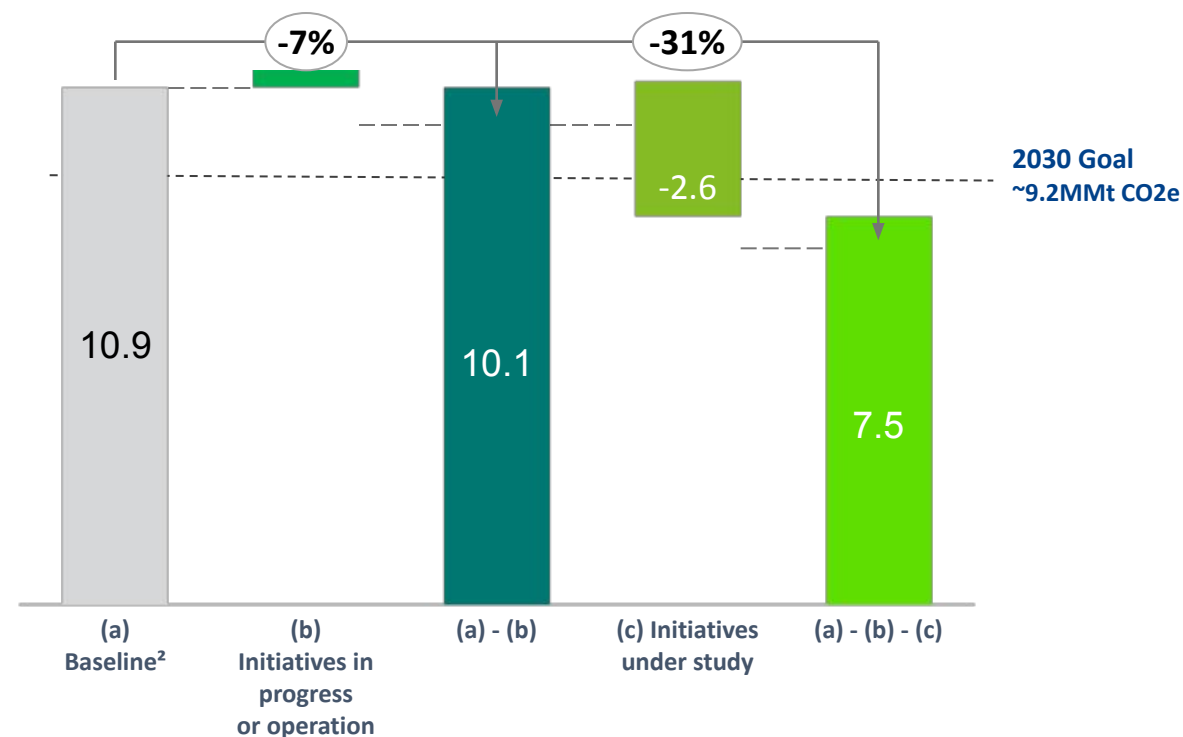
### INITIATIVES PRIORITIZED BY STAGE

Number of initiatives (#)



### POTENTIAL TO REDUCE EMISSIONS, SCOPE 1 AND 2, AFTER IMPLEMENTATION OF PRIORITIZED INITIATIVES

(in MMt CO<sub>2</sub>e)



In the initial prioritization, it was possible to map initiatives that will allow Braskem to reach the 2030 goal of reducing at least 15% of CO<sub>2</sub>e emissions of scope 1 and 2 (considering existing assets) with positive NPV

# PROJEC VESTA

## ENERGY RENOVATION OF THE Q3 SITE (ABC) WITH ELECTRICITY AND NEW COGENERATION

CARBON REDUCTION

ENERGY EFFICIENCY



Signed  
contract

Partial  
motorization

Expected completion of the engine

**Estimated gains with the reduction of:**

- Total GHG emissions of **~100 kt CO<sub>2</sub>e/y**
- Energy consumption in **7,3%** of the site
- Water consumption of **11%** of the site

2018

2019-2020

2021

2022

2023

Construction and  
Implementation

Cogeneration Start

**Main Gains:**

- **Reduction of ~35 kt CO<sub>2</sub>e/y**  
due to electricity and natural gas
- **Electrical Reliability**



Cogeneration Business Model: **investment** and **implementation** by a **third party** (Siemens Energy).  
**Electricity** and **steam** purchase **agreement** for **15 years**.



# AL BIOMASS PROJECT

## REPLACEMENT OF FOSSIL FUEL CONSUMPTION BY RENEWABLE ONES

CARBON REDUCTION

ENERGY MATRIX



Biomass study  
under development  
with Veolia

2018/2020



2021

Contract already signed

Biomass plantation  
(5.5 thousand hectares of  
eucalyptus) and **boilers**  
construction

2022/2023



Start of biomass-based  
steam supply



2024

### EXPECTED EARNINGS:

**Reduction of 150 kt/year of CO<sub>2</sub>e**

Equivalent to 1/3 of GHG emissions  
from Braskem's units in Alagoas in  
2021

**Replacement of 215,000 m<sup>3</sup>/d of  
natural gas with **biomass steam****

**Socio-economic development in the  
region** with the promotion of the  
eucalyptus production chain

# RENEWABLE ELECTRICITY CONTRACTING INITIATIVES

CARBON REDUCTION

ENERGY MATRIX

**casados ventos**  
energia para um novo mundo



In operation

**auren**



In construction

**voltalia**



In operation

More than **150** MW<sub>m</sub> of  
long-term electricity has  
already been contracted

**110** ktCO<sub>2</sub>e/y in **2025**

**edf**  
energies nouvelles



In operation

**edf**  
energies nouvelles



In construction





Thanks!