



*PETROBRAS 2026-2030*  
**BUSINESS**  
*PLAN*

*Sabrina Andrade de Gois  
(DE&P)*

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# Agenda

1. *Introduction*
2. *Financial Strategy*
3. *Exploration and Production*
4. *Refining, Transportation and Marketing*
5. *Natural Gas and Low Carbon Energies*
6. *Engineering, Technology and Innovation*
7. *Environmental, Social and Governance*



Wander de Lima  
(REVAP)



# *INTRODUCTION*

# OUR **purpose**

To provide energy that ensures **prosperity** in an **ethical, fair, safe** and **competitive** manner.

*Israel de Oliveira  
(Social Responsibility)*





Jorge Paes  
(Cenpes)

# *Our* **VISION**

*To be the best diversified and integrated energy company in **value generation**, building a more sustainable world, reconciling the **focus on oil and gas** with diversification into **low carbon businesses** (including petrochemicals, fertilizers and biofuels), **sustainability, safety, respect for the environment**, and total attention **to people**.*

# Our *values*



*Care for people*



*Integrity*



*Sustainability*



*Innovation*



*Commitment to Petrobras  
and Brazil*



Vivian Palmeira  
(P-52)



# OUR **journey**

We have charted our journey as a **leading company in the just energy transition**, by reducing our emissions and maintaining our relevance in Brazil's energy mix, with a growing share of renewable sources. In doing so, we ensure energy that strengthens **Brazil's energy security** and drives **sustainable development**.

Roberta Viana  
(Ultra deep waters)

# We reaffirm our key choices



**Focus on oil and gas**, with economic and environmental resilience



**Replenishment of** oil and gas **reserves, creating value** for society and shareholders



**Expansion** of the industrial facilities, monetizing domestic oil and with **increased supply of low carbon products**



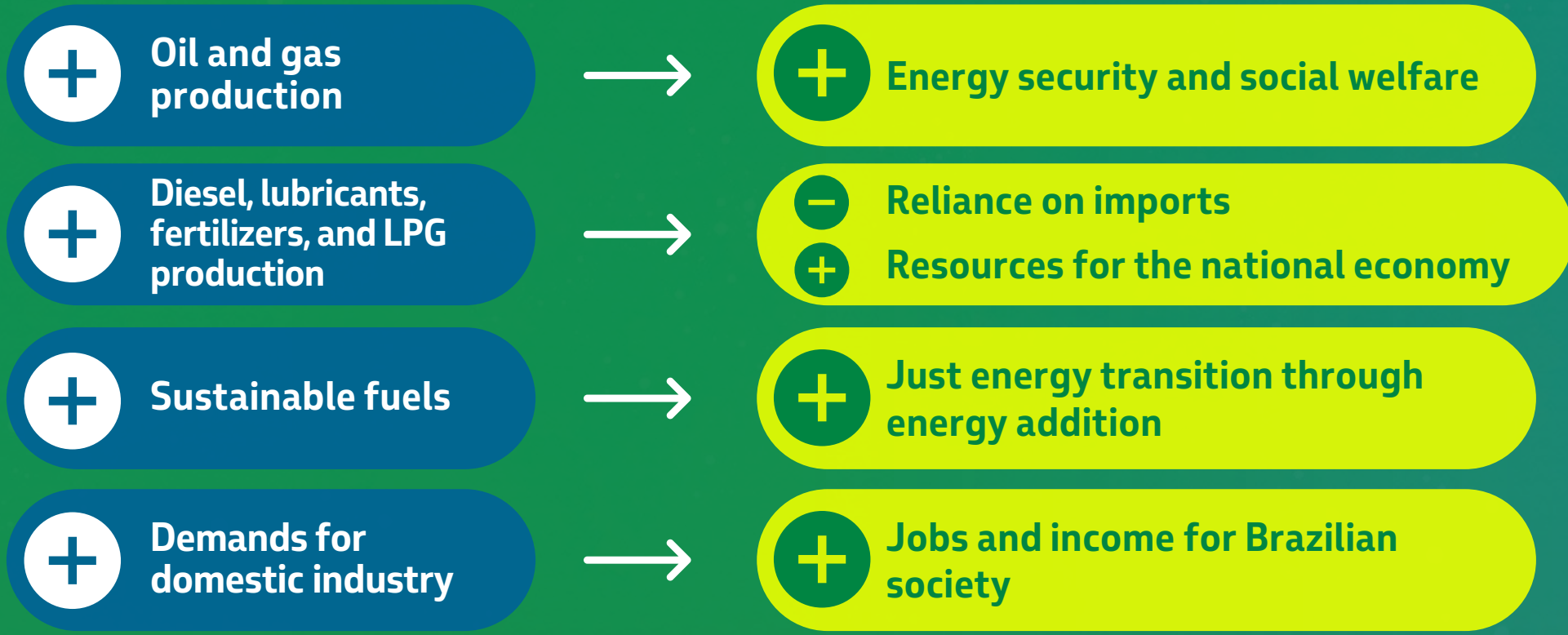
Ambition to achieve operational **net zero emissions**



**Leadership** in **just energy transition**

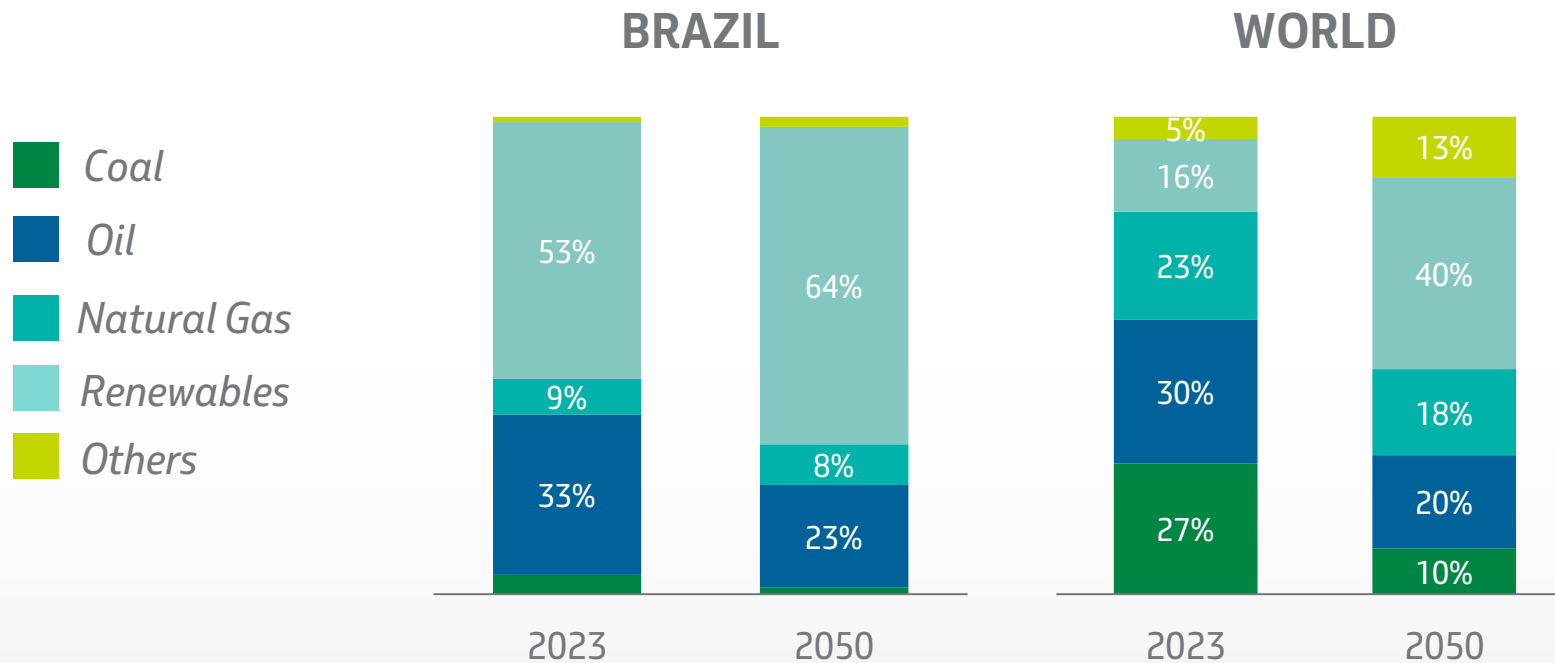
# Our choices lead to growth

+ *Value for all stakeholders*



# Brazil's energy mix will continue to be much more renewable than the global mix

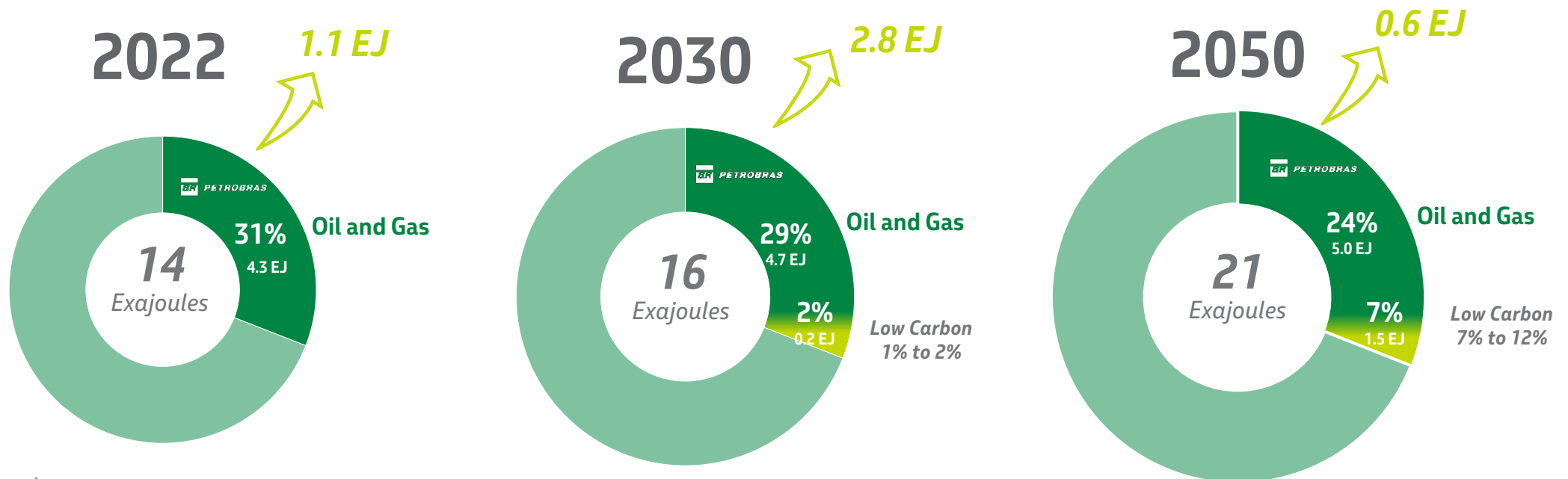
## Energy Mix Profile



*Fossil fuels will continue to be necessary, both globally and in Brazil.*

Source: AIE (WEO 2024) and Petrobras

# Our growth reflects the ambition to sustain our relevance in Brazil's energy supply

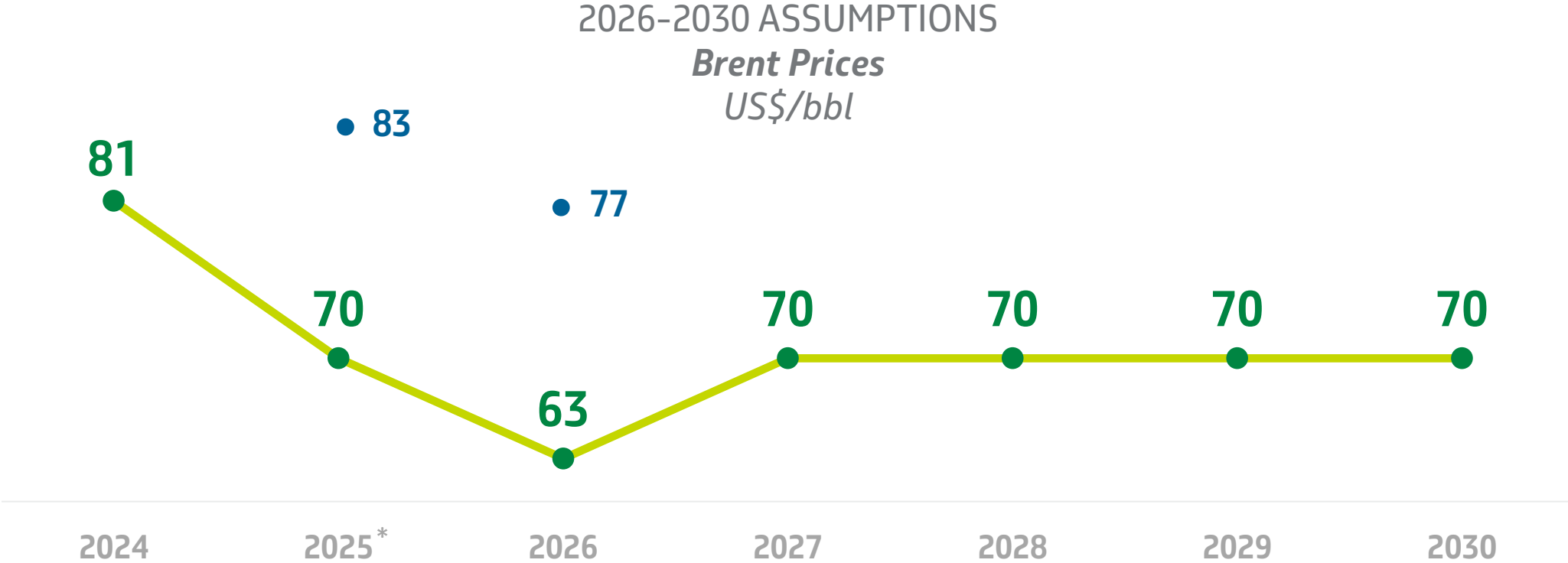


↗ Exports

Notes:

- In 2030, Petrobras' total portfolio of low-carbon projects will represent 1% (0.2 EJ) of energy supply.
- Oil and oil products will all be sold on the domestic market by 2050, with a gradual reduction in exports.

# The challenge for the five-year period is a lower oil price environment



● BP 2025-29

\* Average up to 10/31/2025



# *Streamlining to grow, generate results, and ensure financial sustainability*

Management focused on operational efficiency and capital discipline, allowing us to deliver more with fewer resources

**Resilient cash flow**, with Brent breakeven of US\$ 59/bbl in 2026

Project optimization

Average annual reduction in manageable operating expenses of **8.5% vs previous Plan** (12% p.y. in 2025 and 2026)

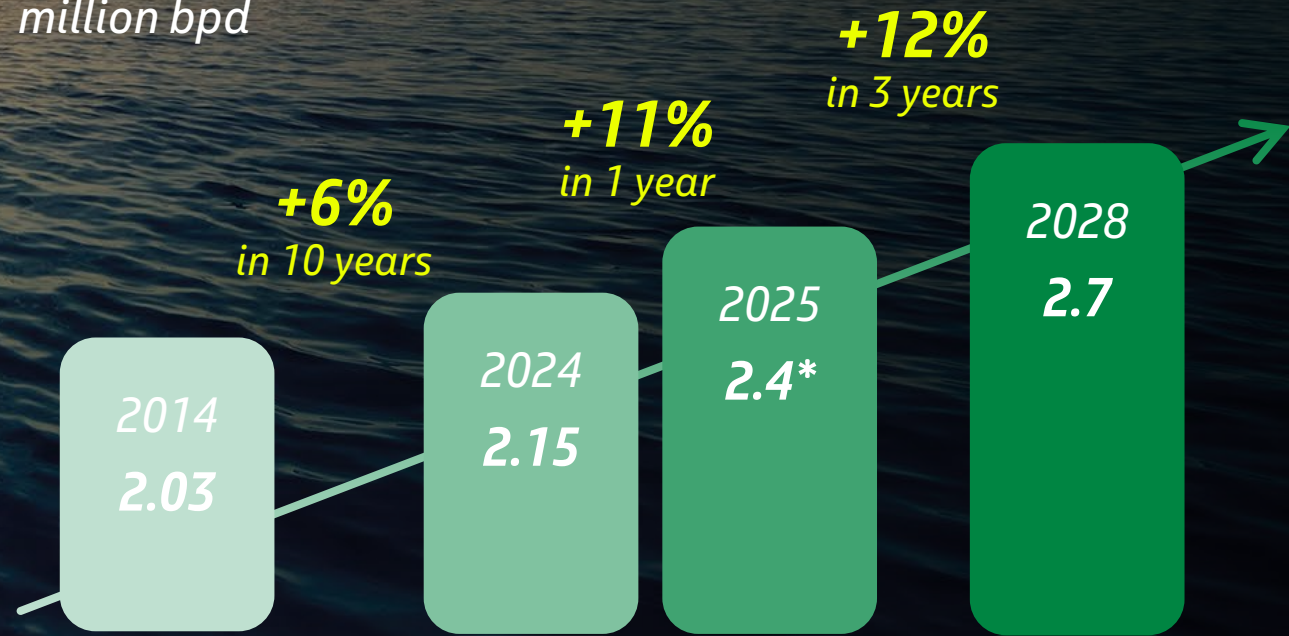
Gross debt convergence to US\$ 65 billion

Financial Sustainability Group with additional governance for expenditure analysis

# Petrobras Competitive Advantage: Historic Jump in Growth

*We have a unique portfolio that is resilient to low-price scenarios, and we will deliver a jump in growth*

**Oil production Brazil**  
*million bpd*



*\* Due to increased operational efficiency and higher production deliveries over the year, the current oil production forecast for 2025 is around 2.4 million bpd, with an expectation to end the year in the upper band of the 2.3 million bpd target, with a  $\pm 4\%$  range.*

# Responsibility for capex execution

*Each extra unit of oil, gas, or fuels we produce increases revenue and taxes.*

*By accelerating project operations, we bring revenue forward.*

*This growth strategy will translate into long-term dividends.*

*Viviane de Castro Salles  
(CENPES)*



**+ US\$ 2.5 billion** in revenues/year  
**+ 100 Mbpd**  $\approx$  **+ US\$ 1 billion** in ocf/year  
**+ US\$ 1 billion** in taxes/year



## **Commitment to a Just Energy Transition**

Investments in the **energy transition** will be **more focused on bioproducts** over this five-year period, especially **ethanol, biodiesel**, and **biomethane**, in addition to diesel with renewable content (**Diesel R5**), **SAF** and **biobunker**

# Sharing results with society

*Andrew Henrique Neri,  
Member of the Petrobras  
Autonomy and Income  
Program*



Ensuring access to energy is critical for promoting the well-being of Brazilian society



Our investments have the potential to generate and sustain 311,000 direct and indirect jobs



We will generate dividends for private and government shareholders



Our investments represent 5% of total investments in Brazil. In addition, forecast tax payments to municipalities, states, and the federal government amount to R\$ 1.4 trillion



# ***FINANCIAL STRATEGY***

*Ivana Xavier  
(Corporate Affairs)*



# Amid challenges and opportunities, we look to the future



## Current Landscape

- Decline in international prices
- Short-term cash flow pressure



## Our Competitive Edge

- Unique, resilient portfolio with high returns and fast cash generation



## Key Drivers

- Value generation through investments, while preserving the dividend policy and debt levels



## > OUR VALUE PROPOSITION

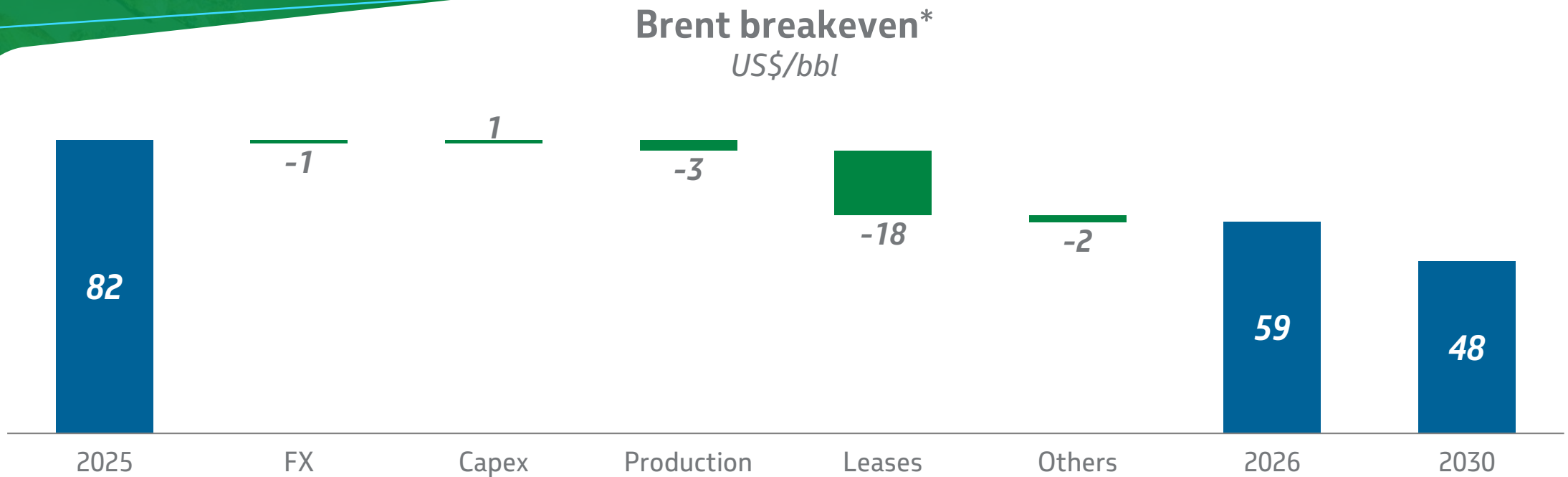
### > CAPITAL DISCIPLINE

*Optimization of expenditures and enhanced governance for the approval of projects and value generation, with aligned incentives*

### > PRODUCTION

*Optimized allocation of resources and project risk mitigation, leading to higher production*

# We reduced our Brent breakeven for neutral net debt



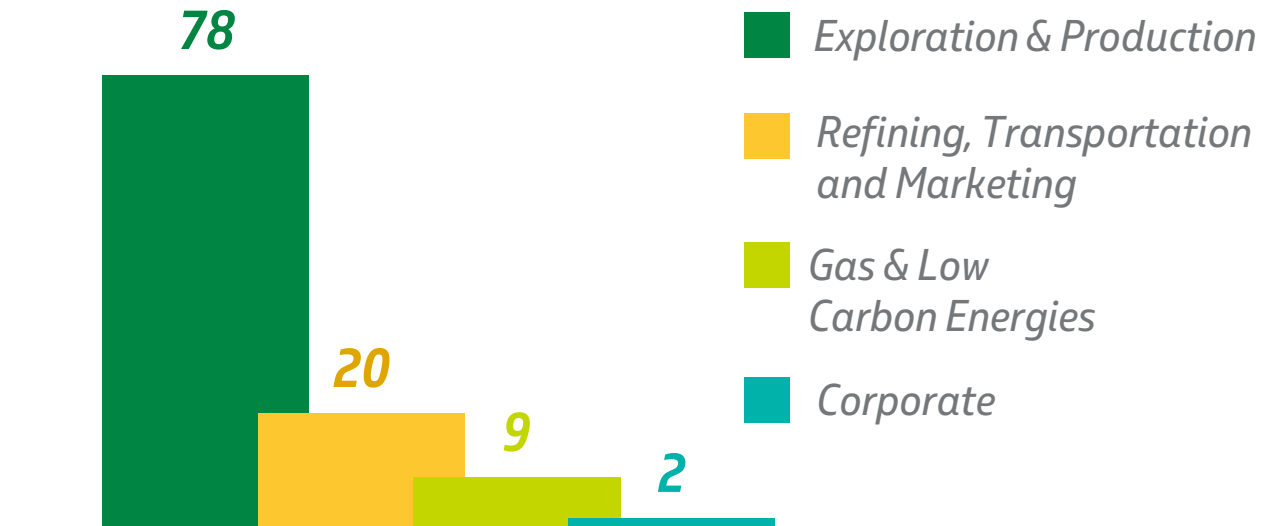
\*Brent breakeven is the oil price needed to honor our financial obligations with no net debt addition

Notes:

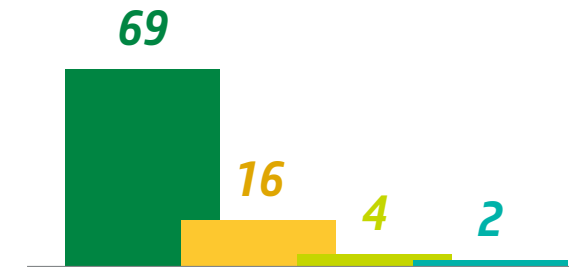
- 2025 Brent breakeven impacted by leasing additions (US\$ 12.9 billion).
- Expected lease additions: US\$ 5.9 billion (2026), US\$ 6.7 billion (2027), US\$ 6.3 billion (2028), US\$ 4.5 billion (2029), and US\$ 6.4 billion (2030).
- Brent breakeven reflects the Implementation Target portfolio (US\$ 91 billion in capex).
- Sensitivity: For 2026, a R\$ 0.50 change in the FX rate implies a ~US\$ 5.0 change in the Brent breakeven. Projected average dollar for 2025: R\$ 5.7.

# Our portfolio of investment opportunities amounts to US\$ 109 billion

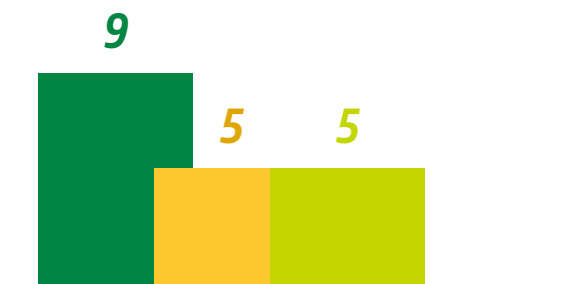
**Total Portfolio** US\$ 109 billion



**Under Implementation** US\$ 91 billion



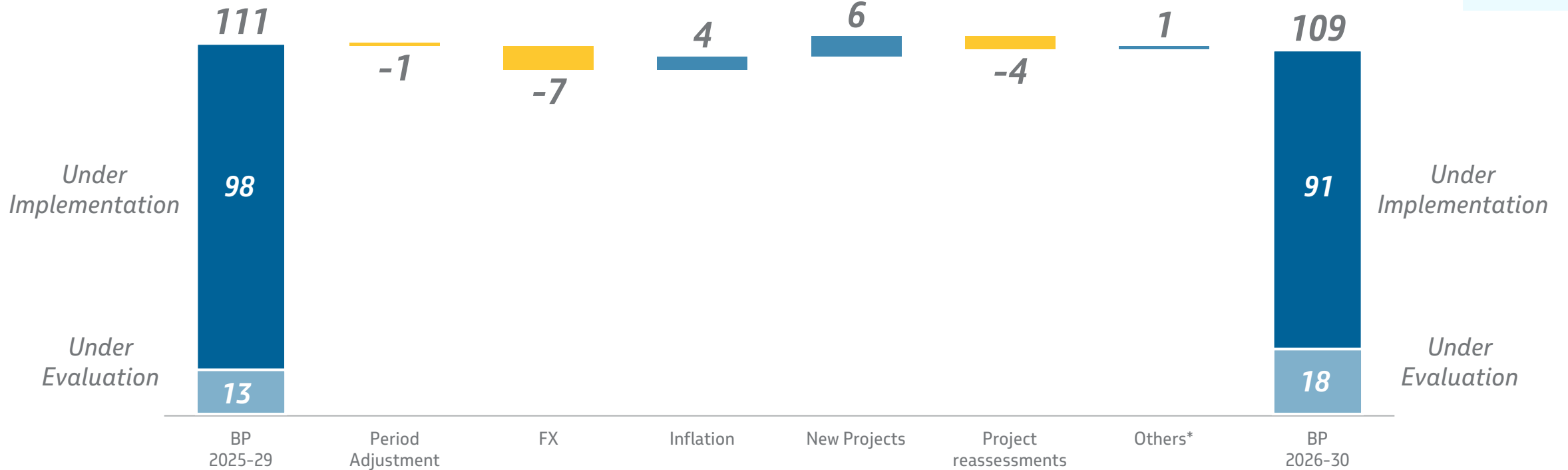
**Under Evaluation** US\$ 18 billion



Note: Projections subject to variation of +/- 5%.

# Total Portfolio: Business Plan 2025–29 vs 2026–30

US\$ billion

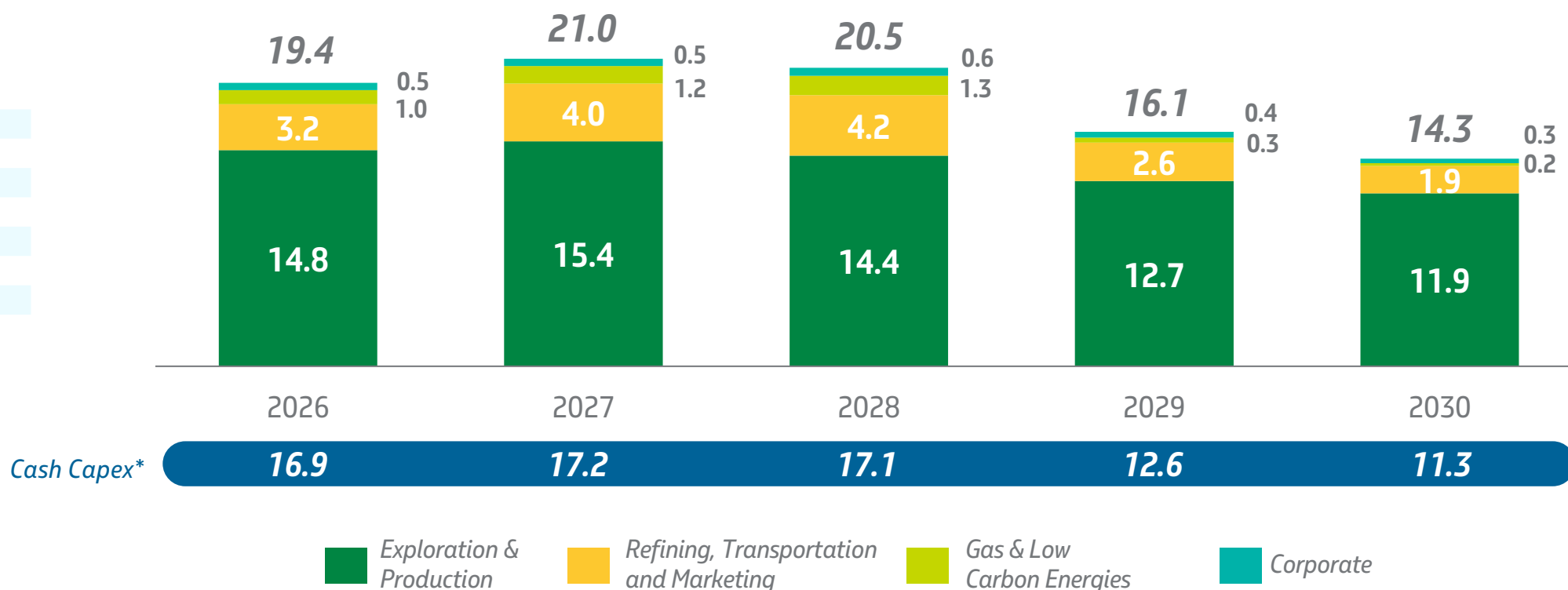


\* Includes assumption of lower project execution risk.

New projects: Primarily complementary and current projects in E&P, plus RTM initiatives focused on fleet renewal, logistics expansion, and biorefining projects..

# More than 75% of investments under implementation allocated to E&P

Capex Under Implementation of US\$ 91 billion



\* Excludes primarily leases, geology and geophysics expenses, and the cash and accrual mismatch related to platforms, materials and equipment

Notes: We expect the following distribution for the Total Portfolio, in US\$ billion: 20.5 (2026), 23.5 (2027), 23.5 (2028), 21.3 (2029), and 20.6 (2030).

Projections subject to variation of +/- 5%.

# Capex evolution driven by more value-accretive projects

US\$ billion



- Progress in the construction of Búzios FPSOs
- Growth in Sépia 2 and Atapu 2
- Advances in Raia projects, Marlim revamps, and the Integrated Parque das Baleias
- Resumption of construction of RNEST Train 2



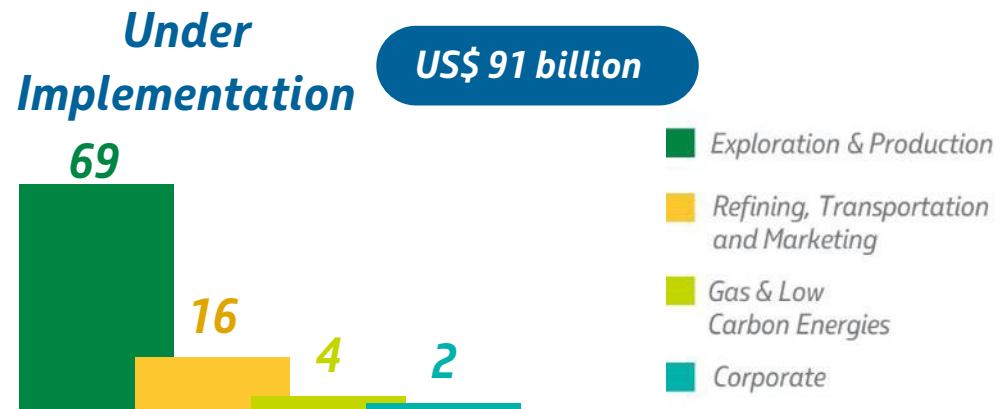
- Focus maintained on Búzios, with progress in FPSO construction
- Progress in Sépia 2 and Atapu 2
- Progress on RNEST Train 2 and start of construction of the Boaventura refining project



- Peak investments in Búzios, driven by well interconnections
- Continued investments in Sépia 2 and Atapu 2
- Growth in investments in SEAP 2
- Construction ramp-up of RNEST Train 2 and Boaventura refining project

# Portfolio Under Implementation

We reaffirm our commitment to capital discipline and efficient resource allocation



## ASSUMPTIONS

- Gross debt limit of US\$ 75 billion
- Self-funding: investments supported by operating cash flow generation
- Preservation of Dividend Policy



## CONTEXT

- Lower oil price levels and heightened uncertainty, especially throughout 2026
- Commitment to efficient resource allocation



## ADDITIONAL GOVERNANCE MECHANISM

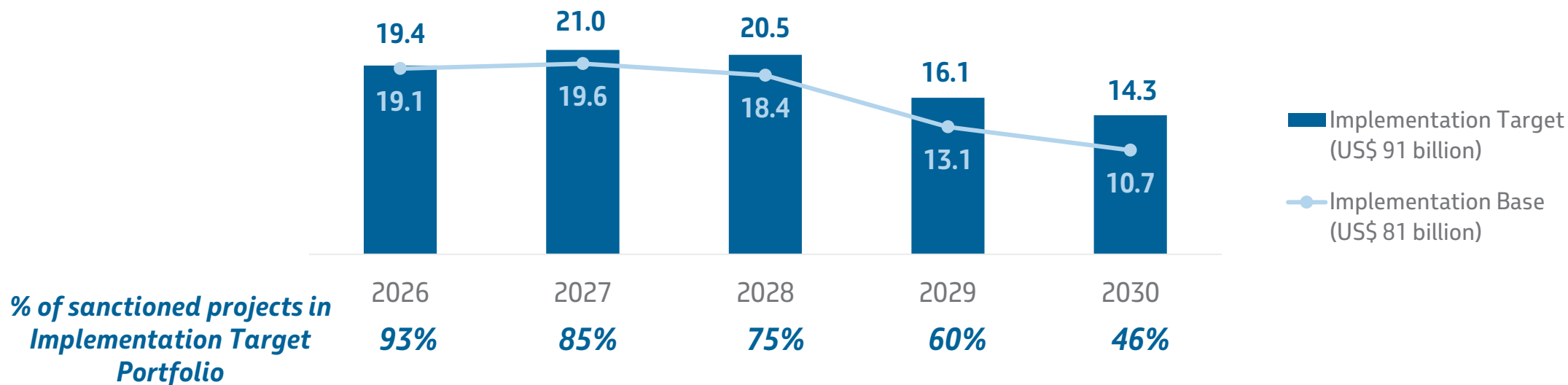
**Of the US\$ 91 billion Under Implementation Portfolio, US\$ 10 billion mostly relates to projects with final investment decisions in 2026 and 2027.**

- Quarterly assessments, in light of cash flow projections and capital structure, will determine progression and any prioritization, following governance on project approval
- The mechanism aims to ensure financial resilience and flexibility to respond to market conditions.

# Reinforced governance and flexibility in investments to adapt to different scenarios

Main sanctioned projects generate more than US\$ 12 billion in free cash flow by 2030

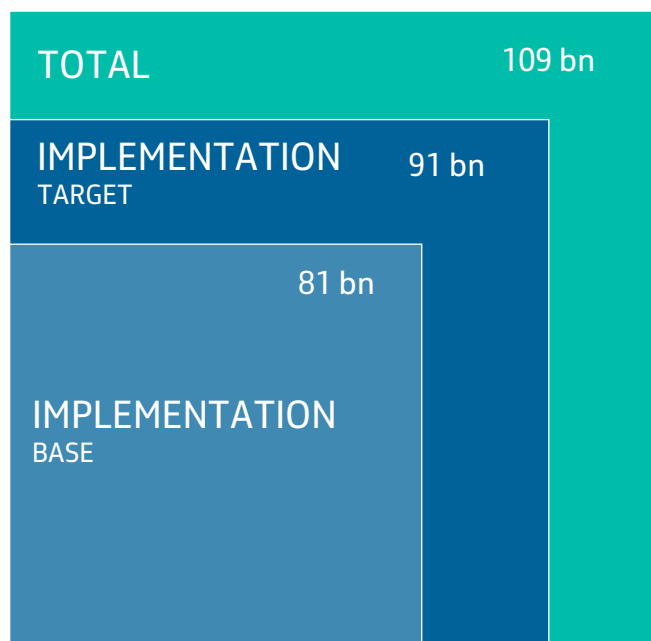
**Portfolio Under Implementation**  
US\$ billion



**Notes:**

- Sanctioned projects contemplate approximately US\$ 5 billion/year in current investments, which are aimed at maintaining and operating existing assets, without increasing production capacity, encompassing maintenance, replacements, legal adjustments, and support projects. Expected distribution of cash investment for the Implementation Base Portfolio, in USD billion: 16.6 (2026), 15.8 (2027), 15.2 (2028), 10.0 (2029), and 8.4 (2030).
- Main sanctioned Implementation Base Projects: Búzios 6 to 11, Atapu 2, Sêpia 2, Raia, Manta and Pintada, Boaventura Refinery, and RNEST Train 2.
- Main unsanctioned Implementation Base projects: Seap 2, UFN-III, and Ethanol.

# Governance for assessing new projects and financial viability



**Our portfolio of opportunities amounts to US\$ 109 billion:**

**US\$ 81 billion**

*Projects with budgets approved in the plan, even if not yet sanctioned.*

**US\$ 10 billion**

*Projects amounting to US\$ 10 billion will have their financial viability assessed quarterly according to the company's cash flow projections and capital structure, and submitted for approvals following the governance of projects<sup>1</sup>.*

**US\$ 18 billion**

*Opportunities under evaluation*

<sup>1</sup>**Note:** Capital investment projects are approved only when they are expected to have positive NPVs in all three corporate scenarios. Exploratory projects (including participation in bid rounds), current investments (e.g., maintenance), as well as partnerships, acquisitions, and divestments follow specific approval processes.

# Major pre-salt projects: focus on Execution with cost reduction

Project	Nominal Capacity Mbpd	Capex full life BP 2025-29 US\$ billion	WI Petrobras
Búzios 6 (P-78)	180	5.2	89%
Búzios 7 (Alm. Tamandaré)	225	2.2	89%
Búzios 8 (P-79)	180	5.7	89%
Búzios 9 (P-80)	225	6.3	89%
Búzios 10 (P-82)	225	7.5	89%
Búzios 11 (P-83)	225	6.8	89%
Atapu 2 (P-84)	225	6.4	66%
Sépia 2 (P-85)	225	4.7	55%
Mero 4 (Alexandre de Gusmão)	180	1.3	39%
<b>Total</b>		<b>46.1</b>	

**TOTAL  
BP 2026-30  
-2%  
US\$ 45.2  
billion**

*Of the nine listed projects, three retain the same budget in the 2026-30 Plan, one shows a 1.6% increase, and five deliver an average optimization of -3.7%*



# High-return portfolio

IRR – AVERAGE INTERNAL RATE OF RETURN (US\$ IN REAL TERMS)  
%



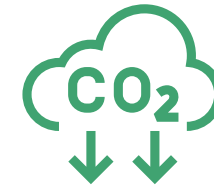
*Exploration &  
Production*

**23**



*Refining,  
Transportation and  
Marketing*

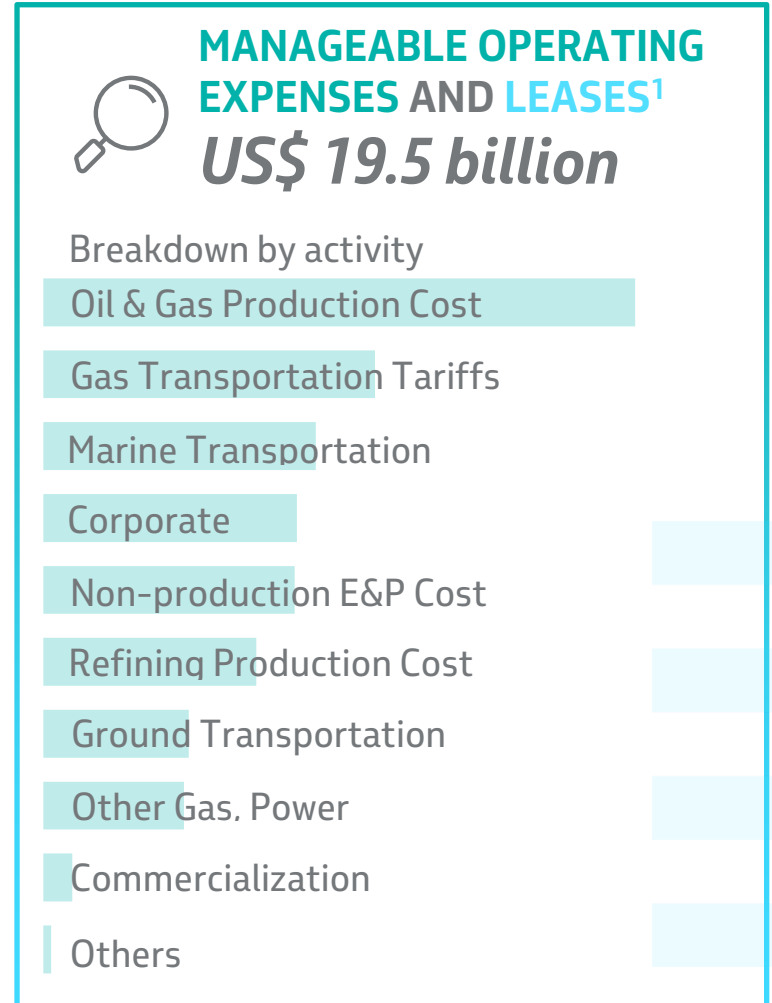
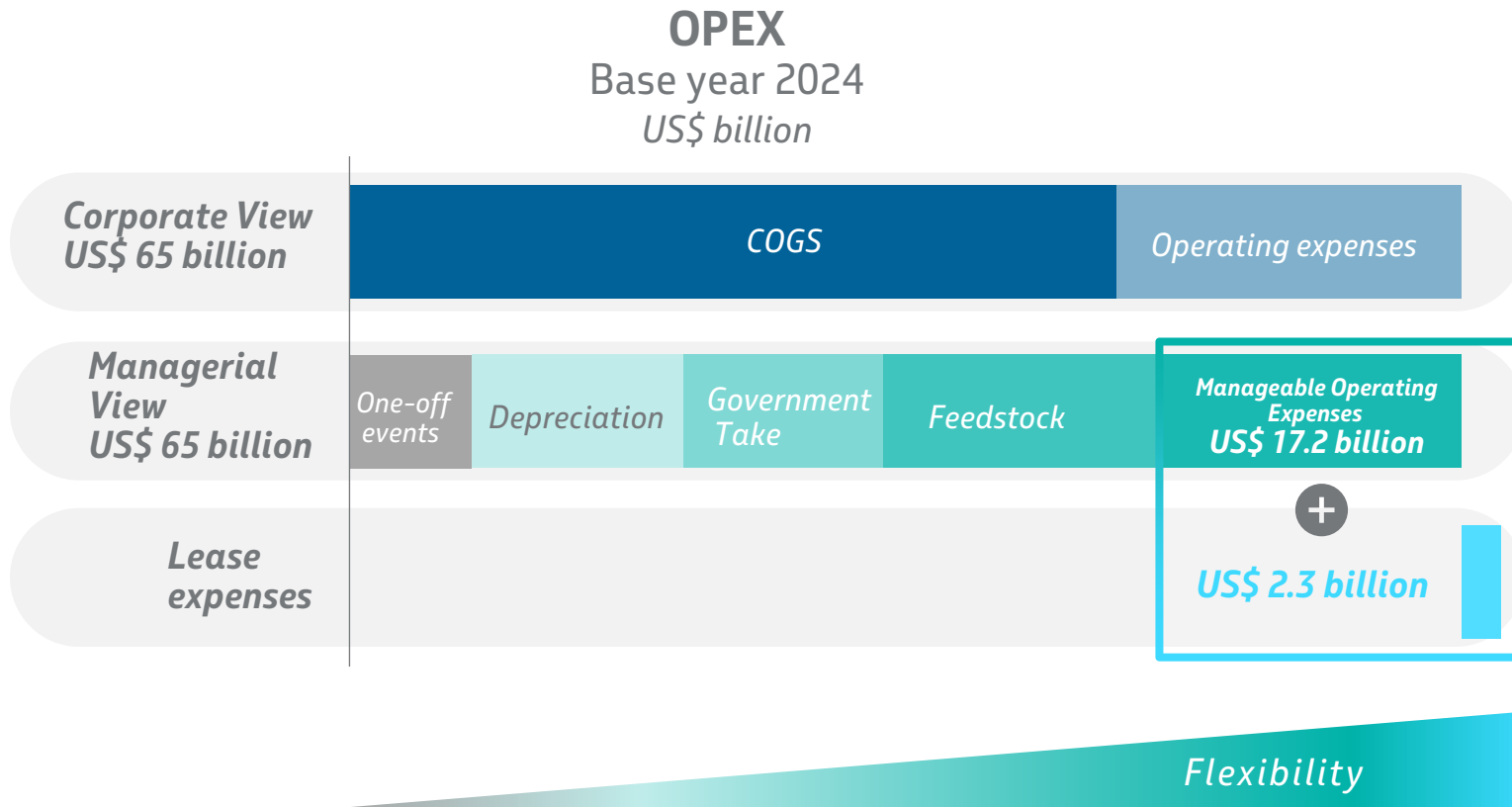
**15**



*Gas & Low Carbon  
Energies*

**>10**

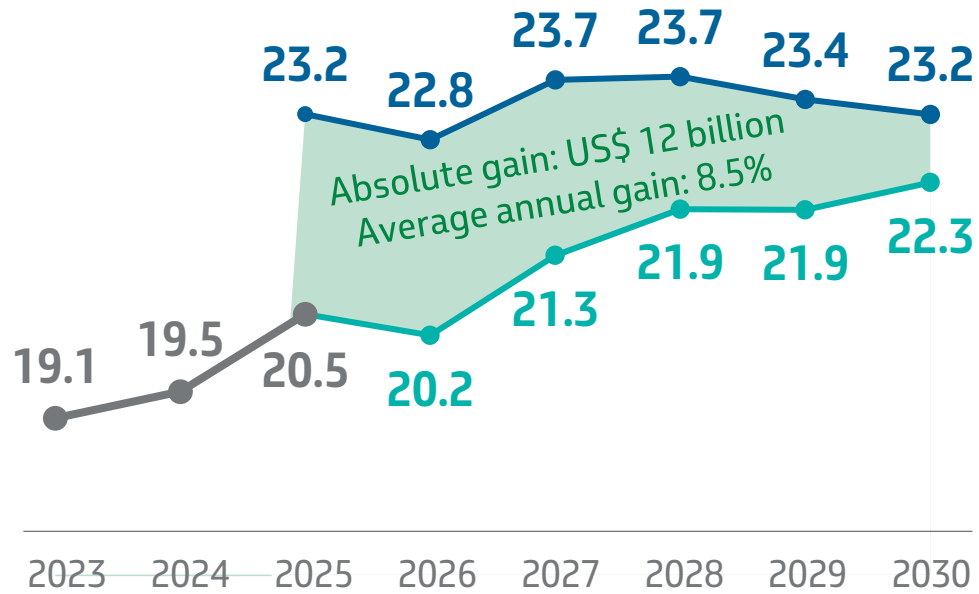
# Manageable operating expenses: levers for opex optimization



<sup>1</sup> Does not consider leases in capex

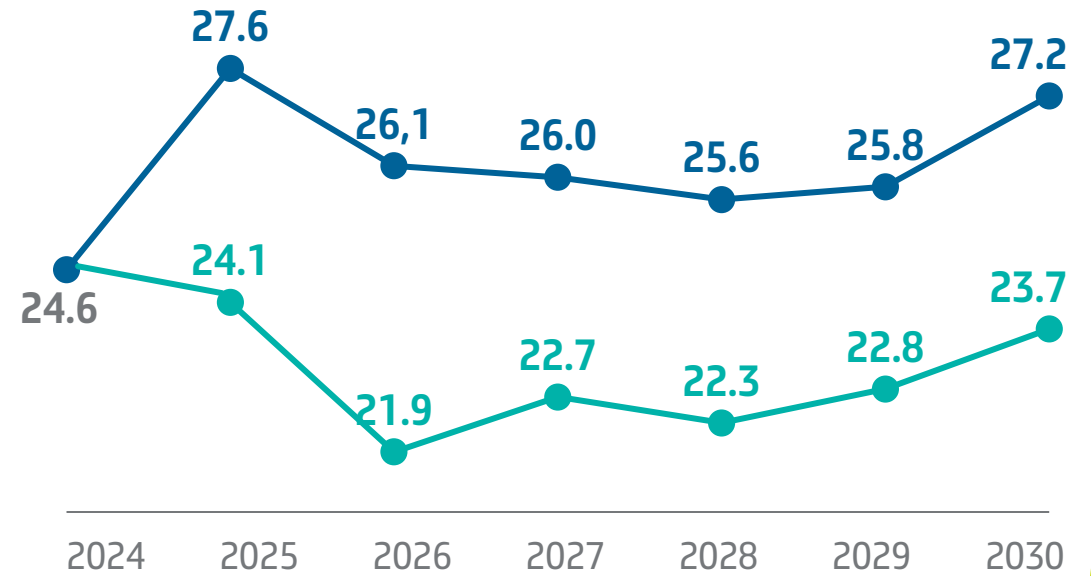
# Focus on operating expense efficiency enables us to grow with productivity

Manageable Operating Expenses  
US\$ billion



- BP 25-29 (US\$ billion)
- BP 26-30 (US\$ billion)

Manageable Operating Expenses  
US\$/bbl



- BP 25-29 (US\$/bbl)
- BP 26-30 (US\$/bbl)

# Search for efficiency in expenditures, preserving operational safety and asset reliability



## E&P

- Cost reduction in non-producing platforms (structure, processes and workforce)
- Decommissioning and removal of non-producing units (removal of platforms from location)
- Optimization of aerial and maritime logistics (demand and tariffs)
- Optimization of well interventions and subsea inspections

## RTM

- Renegotiations in routine and revitalization services
- Cost optimization program (focus on innovation)
  - Expansion of nighttime operations and simultaneous vessel maneuvers
- Backhaul freight utilization
- Expansion of operations with Cargo Transfer Vessels for offloading

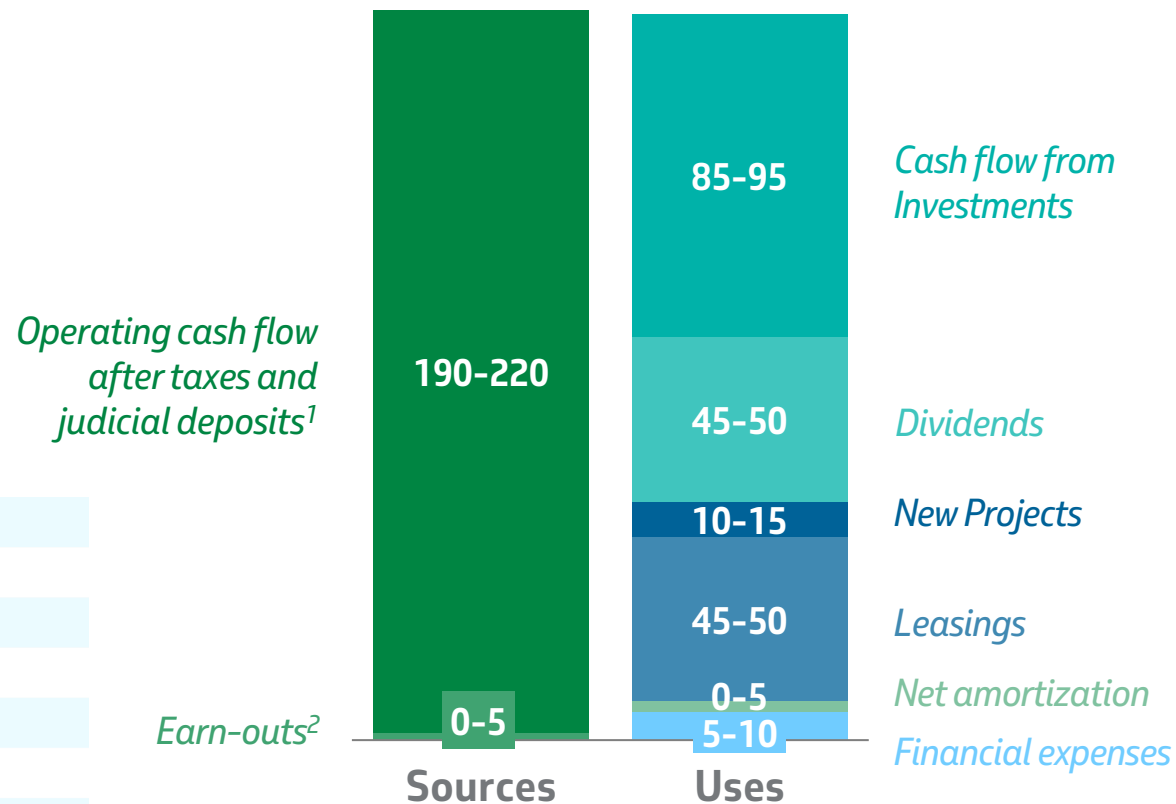


## G&LCE

- Negotiations to reduce gas transportation tariffs
- Postponement of non-priority routine and maintenance services
- Deferral of mobilization of support service stations

# Total Portfolio Sources and Uses of Cash

US\$ billion



<sup>1</sup> Includes cash surplus at the beginning of the period.

<sup>2</sup> Includes contingent and deferred payments and divestments.

**Notes:** Operating cash flow (OCF) and leases for the Implementation Target and Implementation Base portfolios are fully contained within the ranges presented. Decommissioning expenses: US\$ 10 billion

## Assumptions

	2026	2027	2028	2029	2030
<b>Brent</b> (US\$/bbl)	63	70	70	70	70
<b>FX nominal</b> (R\$/US\$)	5.8	5.8	5.8	5.8	5.8
<b>Diesel Crack</b> (US\$/bbl)	20	19	19	19	19
<b>Gasoline Crack</b> (US\$/bbl)	14	13	12	12	12

## Annual forecasts

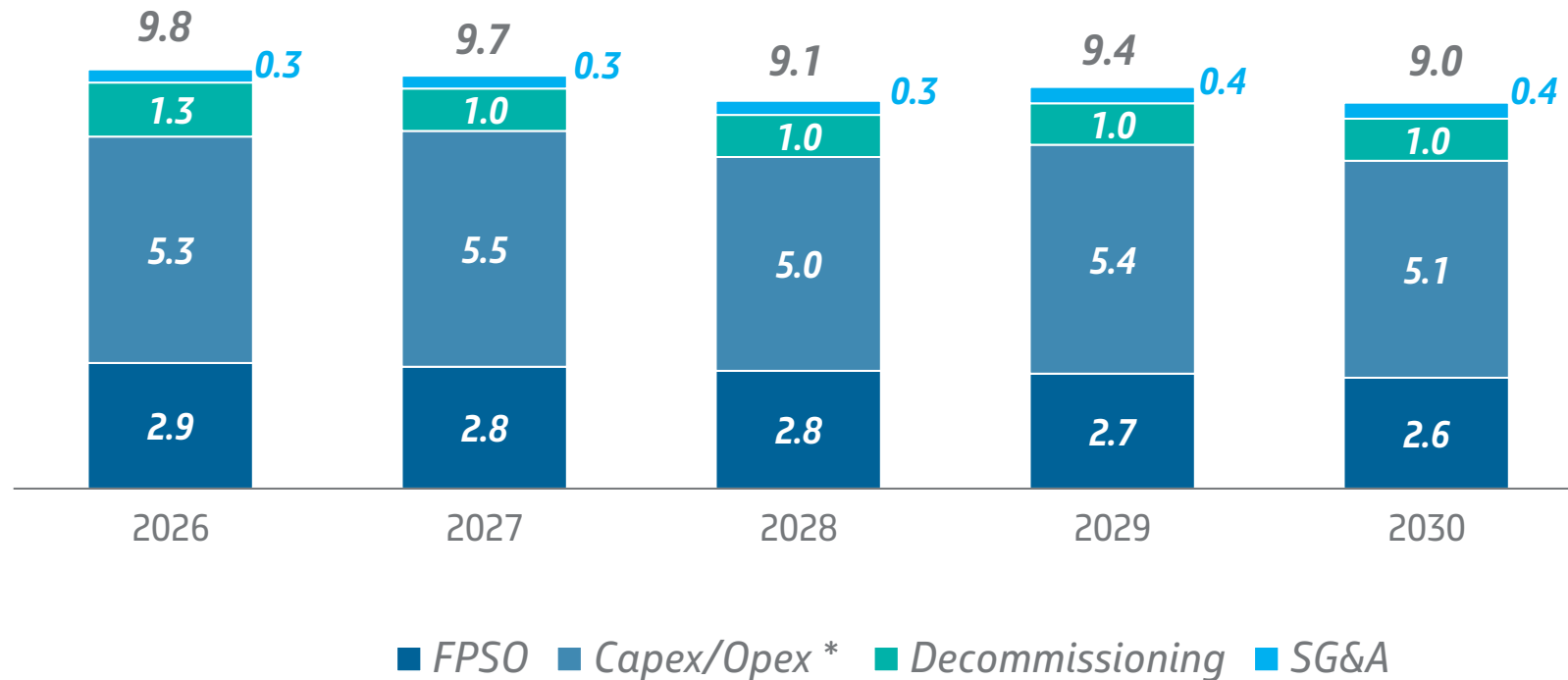
	2026	2027	2028	2029	2030
<b>OCF</b>	35	40	42	42	42
<b>Cash CAPEX</b>	18	20	21	17	17
<b>Leasings</b>	10	10	9	9	9

## Sensitivities

	Δ	OCF impact/year
<b>Brent</b>	US\$ 10/bbl	≅ US\$ 5 billion
<b>FX</b> (R\$/US\$)	R\$ 0,50	≅ US\$ 0.5 billion
<b>Diesel Crack</b>	US\$ 10/bbl	≅ US\$ 1.9 billion
<b>Gasoline Crack</b>	US\$ 10/bbl	≅ US\$ 1.0 billion

# Leasing optimization

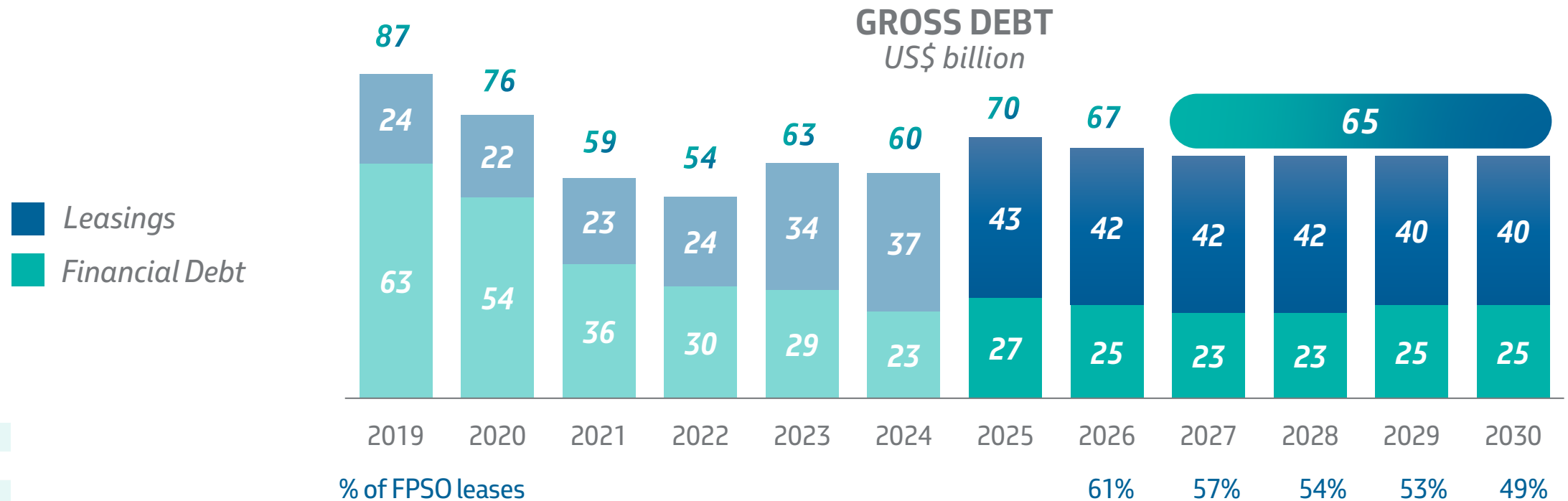
Expenditure Categorization  
US\$ billion



\* CAPEX accounts for approximately 60% of this category.

# Efficient and flexible capital structure in challenging scenarios enables the maintenance of the dividend policy

US\$ 75 billion debt limit reaffirmed



Note: Figures refer to the Implementation Target portfolio. In the Total Portfolio, gross debt converges to US\$ 65 billion in 2029

# Value-driven management

*We have a unique portfolio, which we will continue to manage efficiently to deliver strong, value-accretive, growth and to increase the country's energy supply, providing benefits to society and our shareholders*

*We are bringing more resiliency to the company, enabling us to keep our commitments to our dividend policy and a solid capital structure*

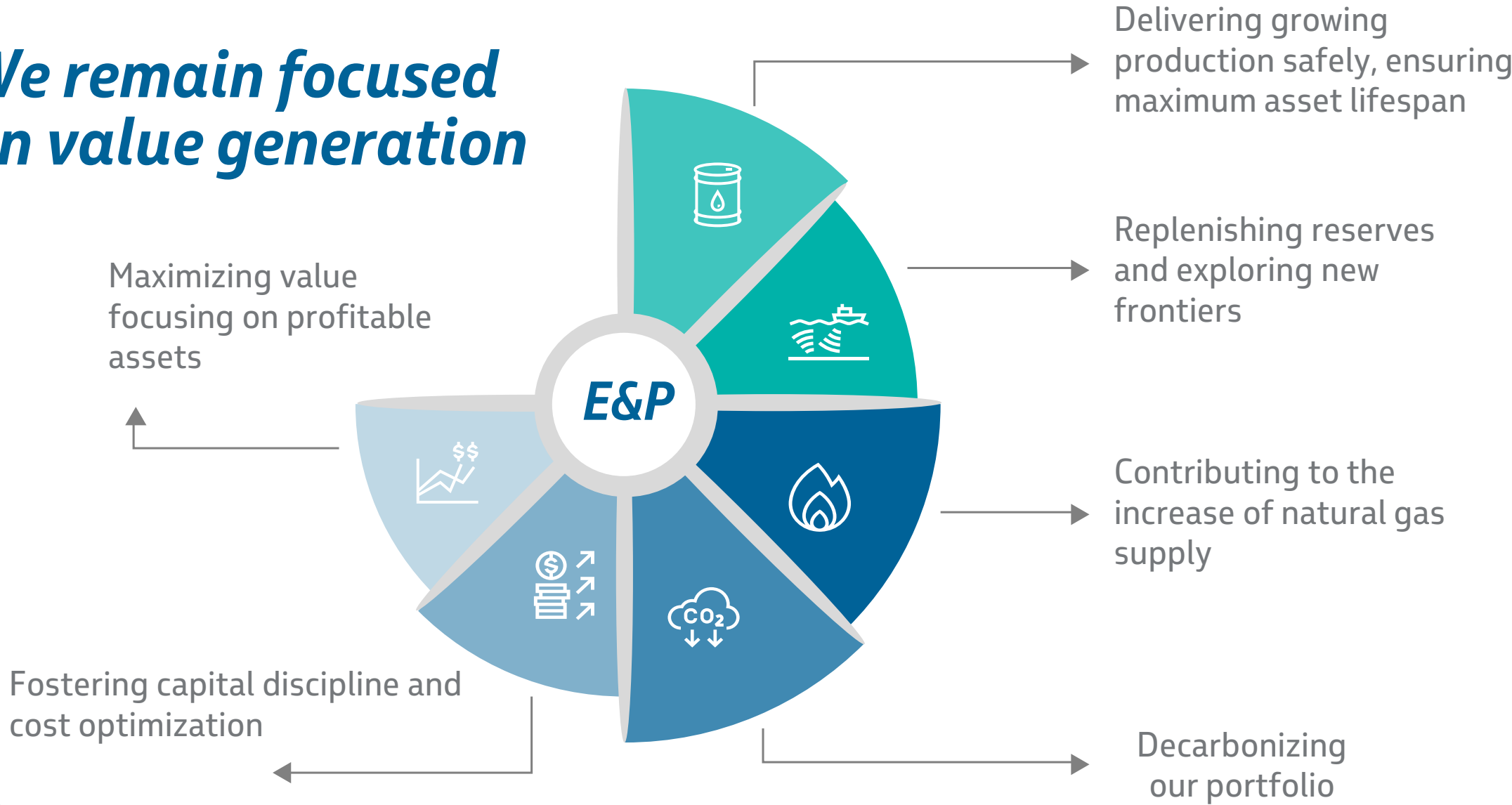
*We approved an additional governance mechanism, with more flexibility to our Investments, focusing on value generation even in challenging scenarios*



# *EXPLORATION & PRODUCTION*

*Driele Cendon Trindade  
(P-79 project)*

# *We remain focused on value generation*



# Our portfolio has double resilience to generate value in challenging pricing scenarios

Our strategy envisage high-return capital investments that are only approved with positive NPV in robust scenarios

## ECONOMIC resilience

**US\$25/bbl**

Brent for prospective breakeven of portfolio<sup>1</sup>

- **< US\$ 6.0/boe**  
Lifting cost in industry's 1st quartile
- **23%**  
Average IRR of major E&P projects<sup>2</sup>

## ENVIRONMENTAL resilience

**15 Kg CO<sub>2</sub>e / boe**

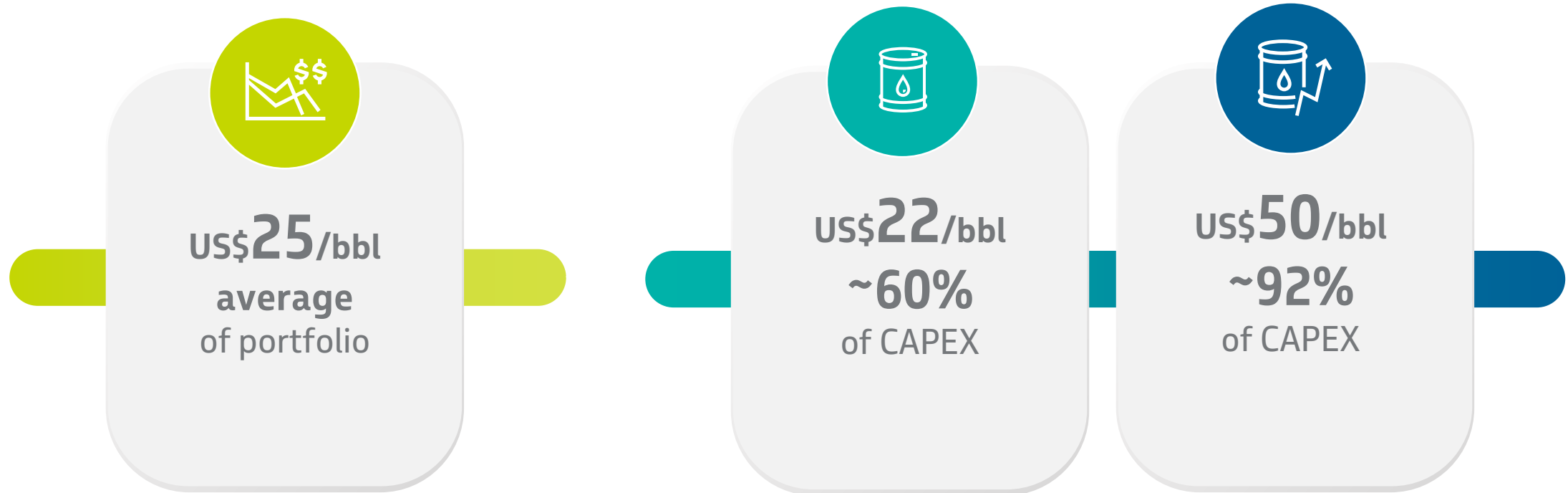
Competitive emissions over the five-year period

- **Zero routine flaring**  
by 2030
- **Goal achievement,**  
in 2025, of reinjecting 80 MM tCO<sub>2</sub> in CCUS<sup>3</sup> projects
- **Reduction in the intensity of methane emissions,**  
reaching 0.20 tCH<sub>4</sub>/thousand tHC by 2030

<sup>1</sup> Breakeven Brent: Brent level that generates zero NPV. It only considers E&P projects and does not consider the cost of capital of past investments

<sup>2</sup> Average real IRR for major E&P projects starting from 2022 on, considering their entire lifespan | <sup>3</sup> Carbon Capture, Utilization and Storage

## And it is solid even in low Brent prices scenarios

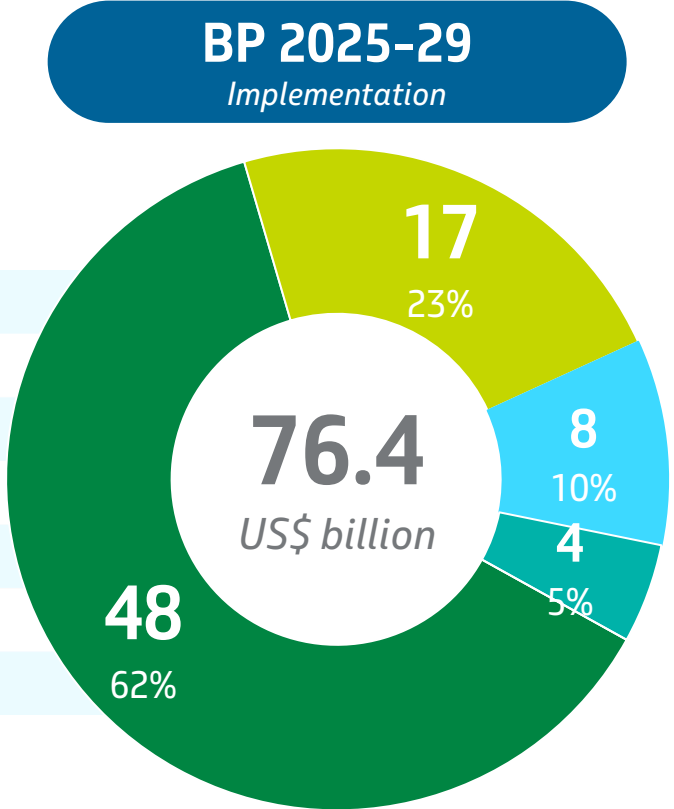


**Notes:**

Breakeven Brent: Brent level that generates zero NPV. It only considers E&P projects and does not consider the cost of capital of past investments.

From BP 26-30, long-term Brent level in our robust scenario was updated to USD 50/bbl.

# We will continue with significant investments in E&P



US\$ bn



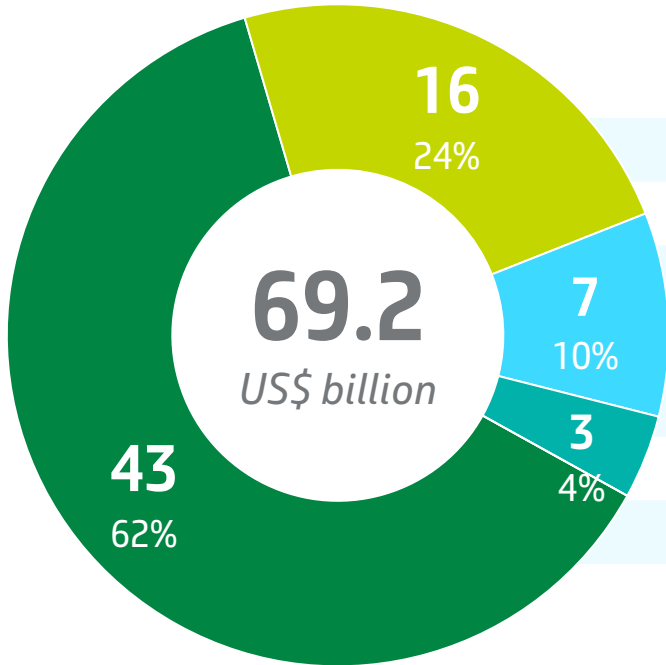
Postponements and optimizations in projects



Pre-FIDs under evaluation



Improvement in the execution of projects



Note: Projections subject to variation of +/- 5%.

● Pre-salt ● Post-salt ● Exploration ● Others

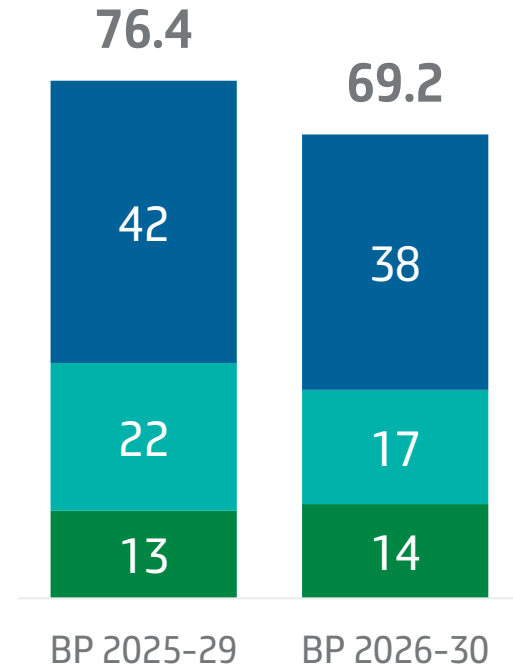
# We have different maturity levels for the projects in the portfolio

CATEGORY	DEFINITION
<b>SANCTIONED</b>	Capex with expenditures approved in governance
<b>UNSANCTIONED</b>	Capex awaiting approval by Governance. They may or may not have undergone financing <sup>1</sup> analysis
<b>CURRENT</b>	Maintenance and integrity recovery projects for existing assets

<sup>1</sup> Unsanctioned projects in the Implementation Portfolio will still have their financial feasibility assessed, a process carried out quarterly in light of cash flow projections and capital structure.

## CAPEX UNDER IMPLEMENTATION E&P

US\$ billion



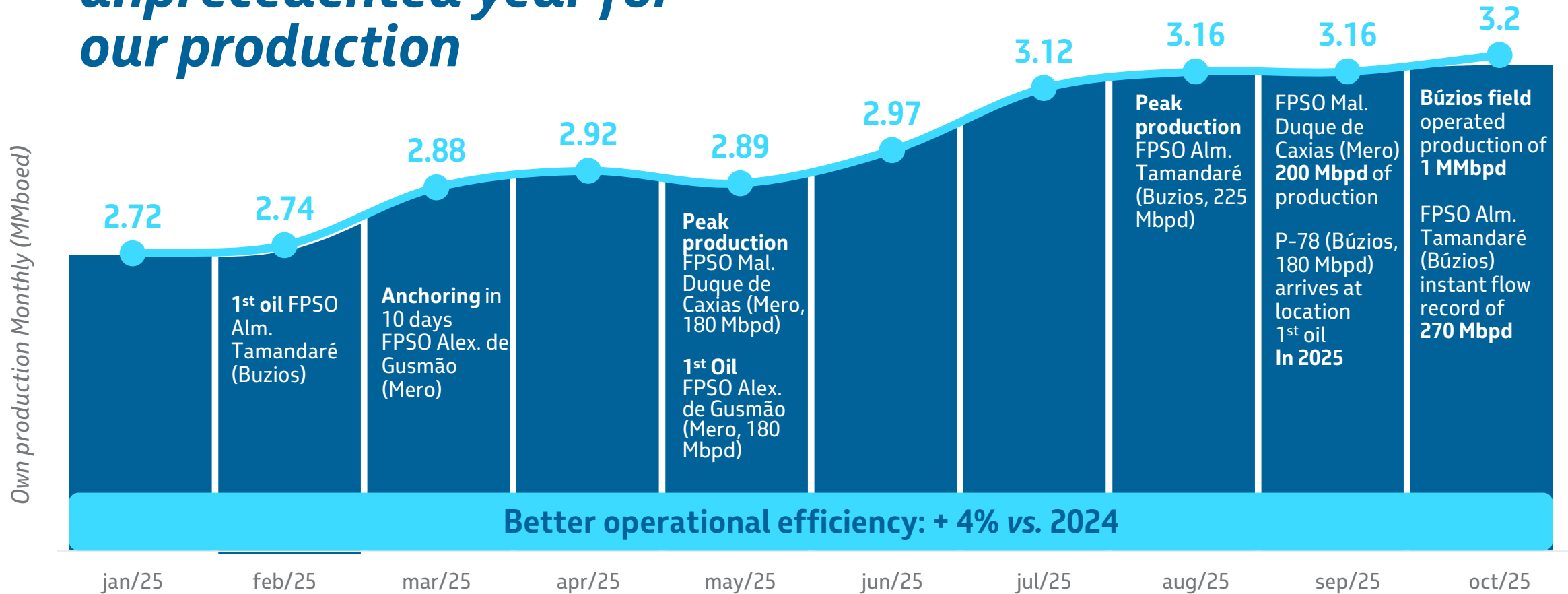
# 2025 was an unprecedented year for our production



## 3Q25 PRODUCTION RECORDS (MMboed)

Own: 3.14 | Operated: 4.54

Pre-salt own: 2.56 | Pre-salt operated: 3,88



Better operational efficiency: + 4% vs. 2024

57 new operating wells

3

4

6

7

8

8

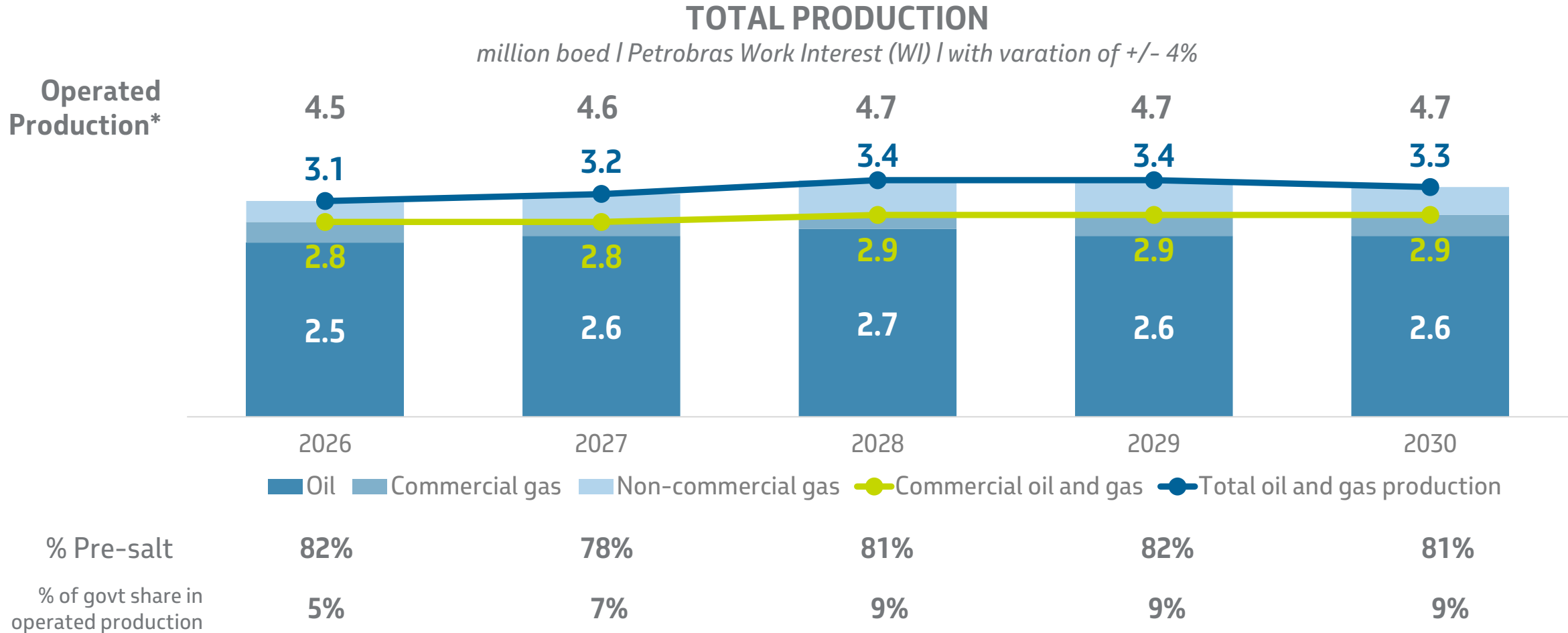
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10

4

1

# And we will continue on an upward trend over the next five years

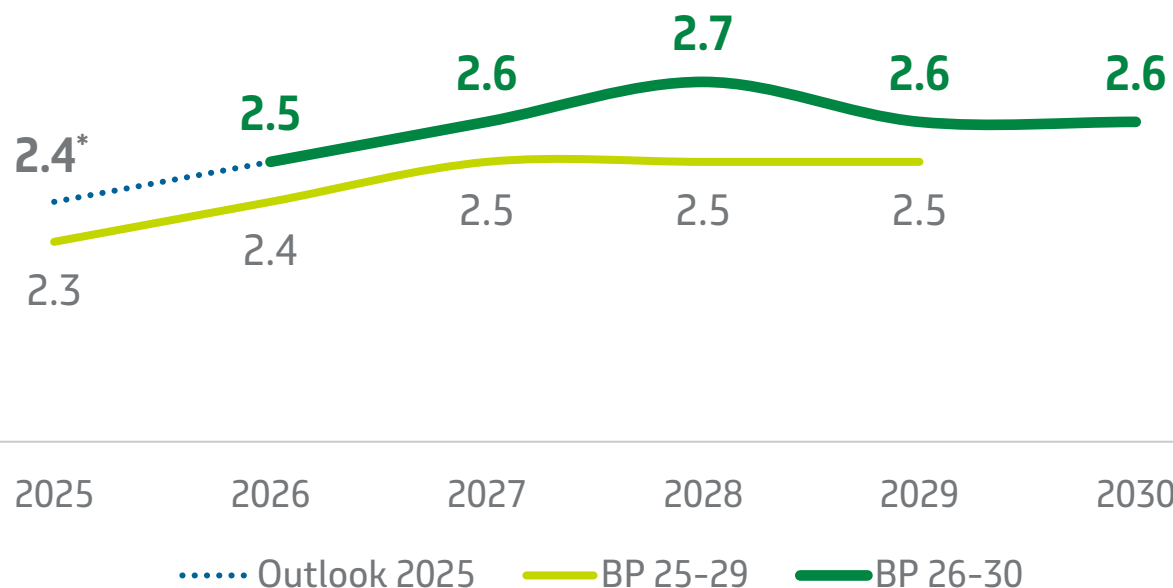


\* Besides the govt's profit oil relative to PSA contracts, partners shares are also included.

# We achieved significant gains compared to the previous business plan

## OIL PRODUCTION

million bpd | Petrobras Work Interest (WI) | with variation of +/- 4%



**230 MILLION BARRELS**  
of oil between plans

Outlook 2026-2029

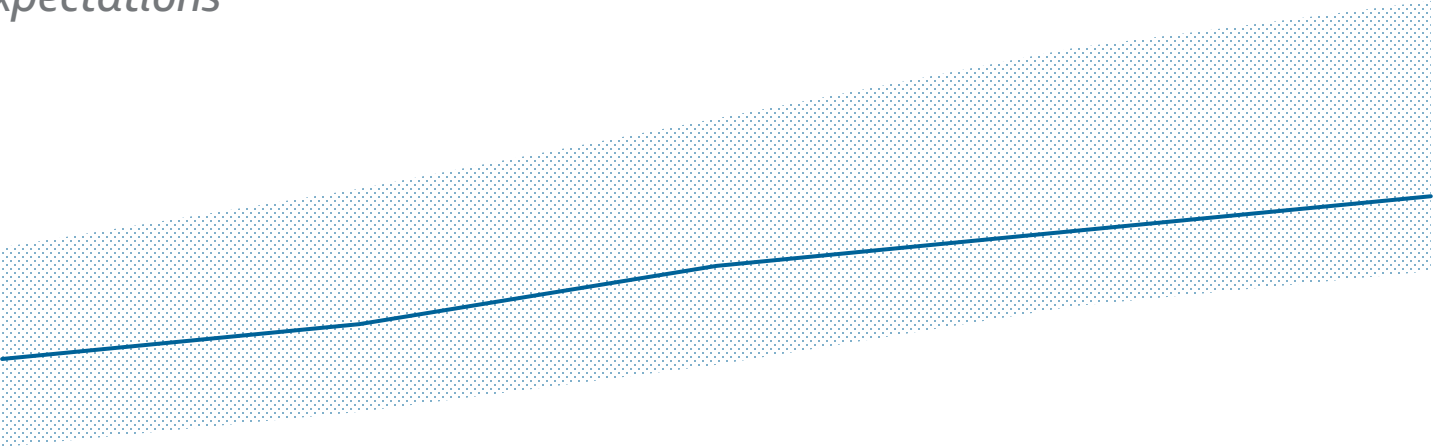
- Better reservoir management
- Improved efficiency in well connections
- Improved asset integrity and efficiency
- FPSOs nominal capacity increase
- Projects delivered on time

The five-year production curve only reflects Implementation Base projects

\*Due to increased operational efficiency and higher production throughout the year, the current oil production forecast for 2025 is ~2.4 million bpd, which represents reaching the upper bound of the 2.3 million bpd target, with a variation of ±4% for 2025

# We have a robust process to build our production curve

*...and we will work to mitigate risks and ensure that our results continue to exceed expectations*



**Risk Tunnel**

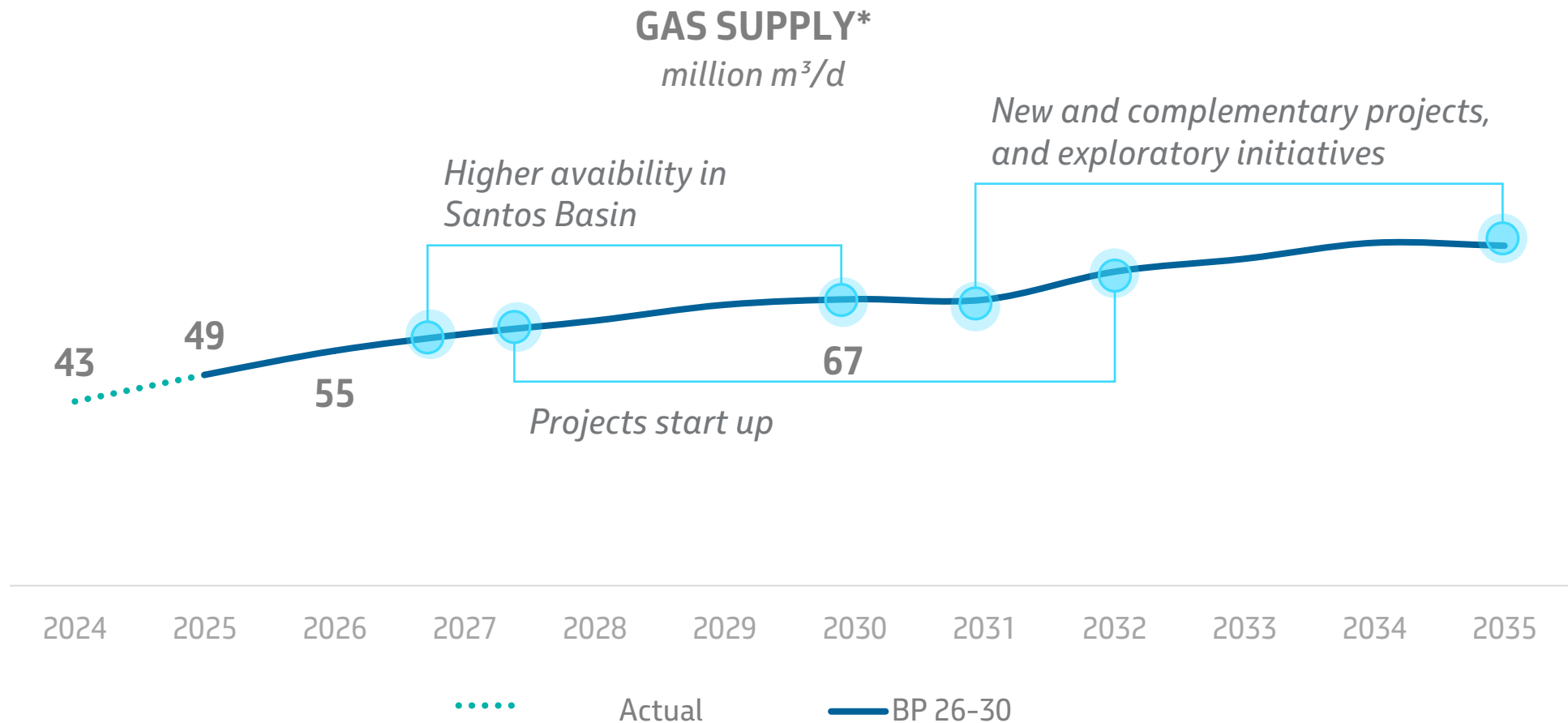
- Reservoir risks
- Schedule risks
- Operational efficiency\*

**Year 1      Year 2      Year 3      Year 4      Year 5**

*We simulate thousands of scenarios that take into account the risks of our business. We choose different risk levels for each year of the plan, as we are naturally able to be more precise in the events of the early years.*

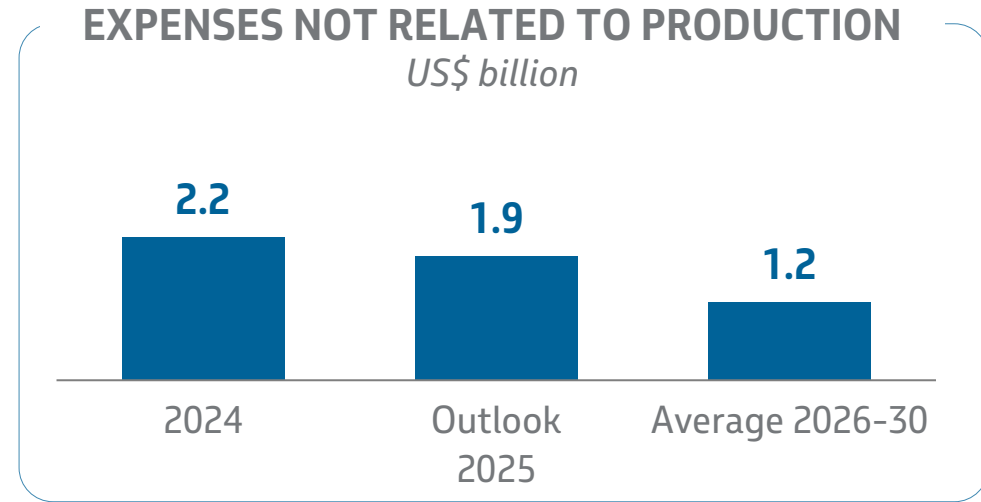
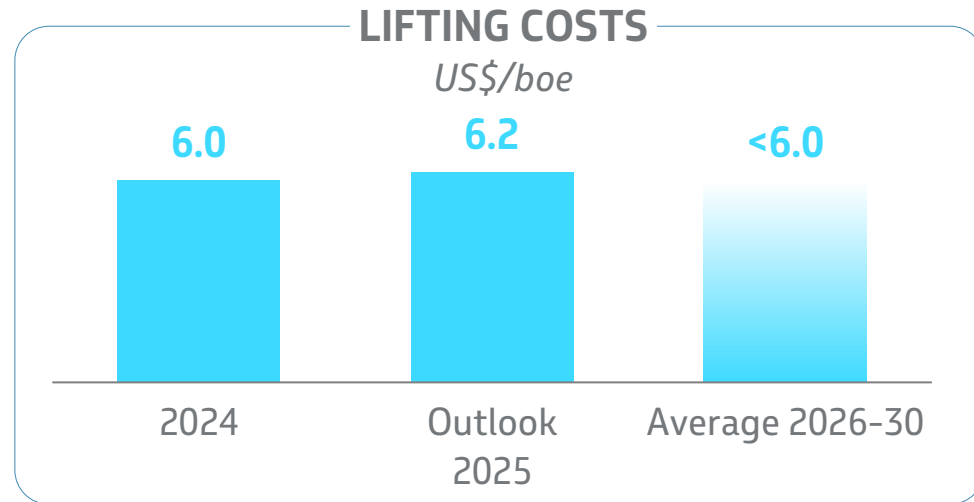
*\*Unplanned interruptions are taken into account in our risk tunnel*

# Growing gas supply with production optimization and new projects



\*Gas availability Brazil (Petrobras + Partners)

# We operate with extremely competitive costs, within the top quartile of the industry

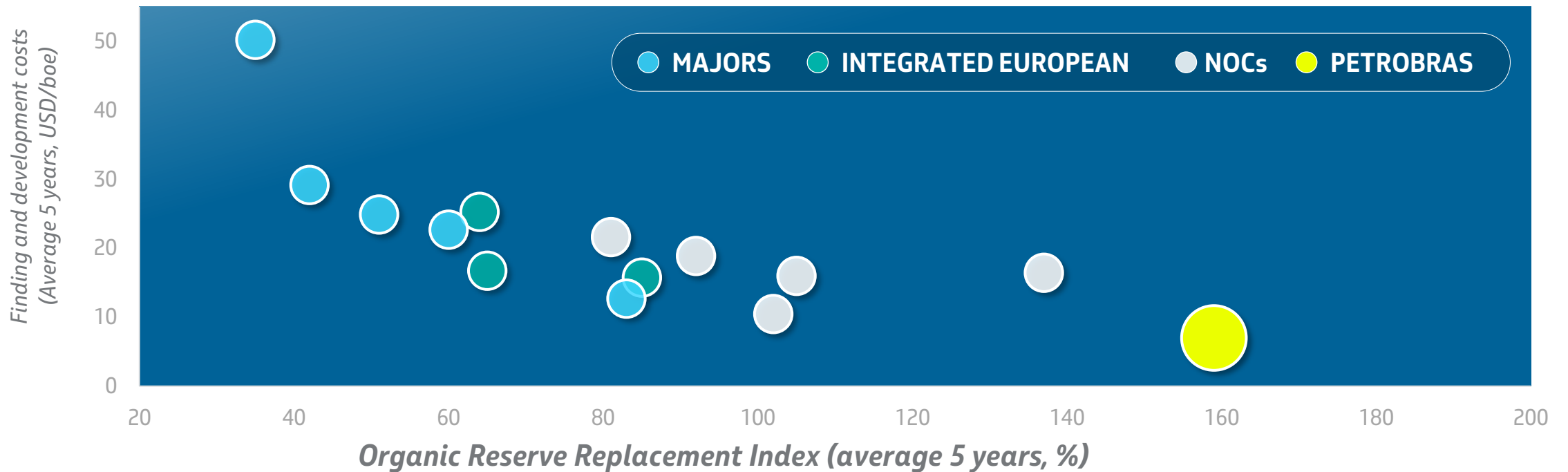


- OPTIMIZATION INITIATIVES**
- **Operation & maintenance:** Contract renegotiation and operational adjustments
  - **Interventions:** Replanning of well activities and subsea inspections
  - **Logistics:** Aerial and subsea

- OPTIMIZATION INITIATIVES**
- **Anticipation** of platforms decommissioning in the short term
  - **Logistics optimizations**
  - **Improvements** in layover expenses

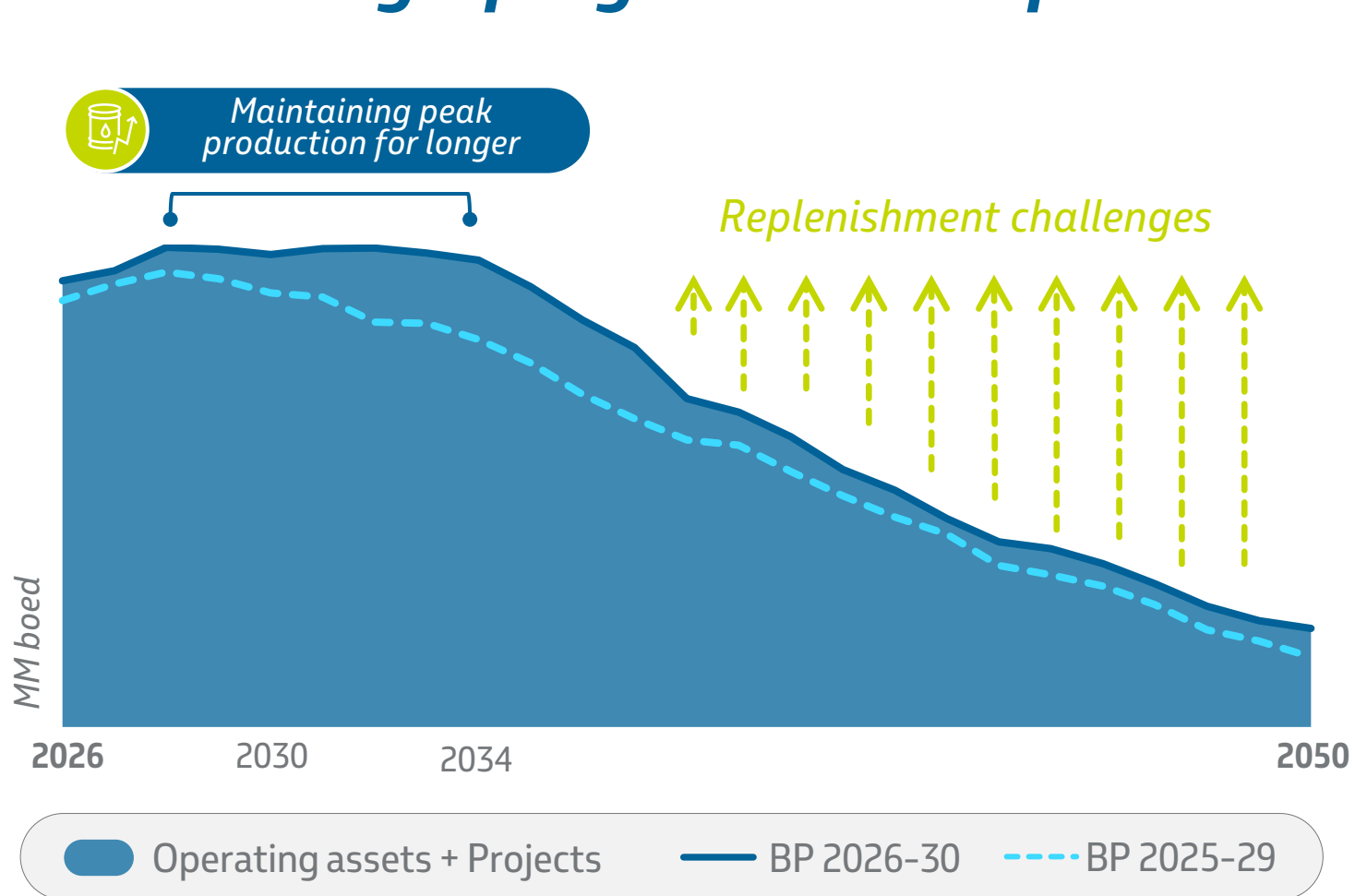
# *In recent years, we have achieved outstanding results on reserves replacement while maintaining low costs*

## *RESILIENT assets and STRONG reserves replenishment*



Source: S&P Global Energy, ©2025 by S&P Global Inc.

# The increase in long-term production outlook is the result of our strategic program to incorporate reserves



Continuous effort to increase the recovery factor of already discovered assets

- Management and optimization of reservoir potential
- Tapping new opportunities (eg: complementary wells)
- Higher operational efficiency due to improved asset integrity

Note: Production curves include entire scope of projects portfolio.

# Exploration for new discoveries to replace reserves

## EXPLORATION INVESTMENT

US\$ billion



**40 new wells between 2026-2030:**

15 Equatorial Margin (37.5%)

14 South and Southeast margins (35%)

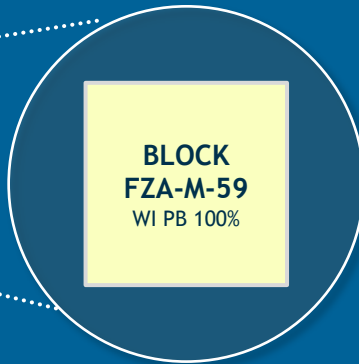
11 others (27.5%)



# We already started drilling Morpho and will move on to drilling Mãe de Ouro

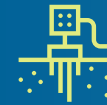


**Amapá  
Deep Waters**



## **MORPHO: DRILLING ONGOING**

This is the first of a commitment to drill eight wells in Amapá deepwaters



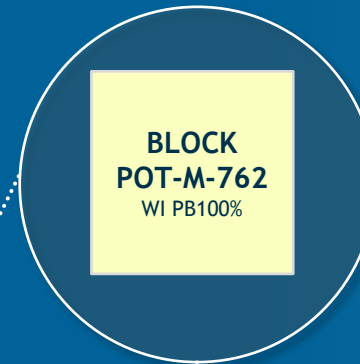
**We plan to drill  
15 wells in  
the Equatorial Margin**

PAMA

BARREIRINHAS

CEARÁ

Potiguar



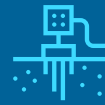
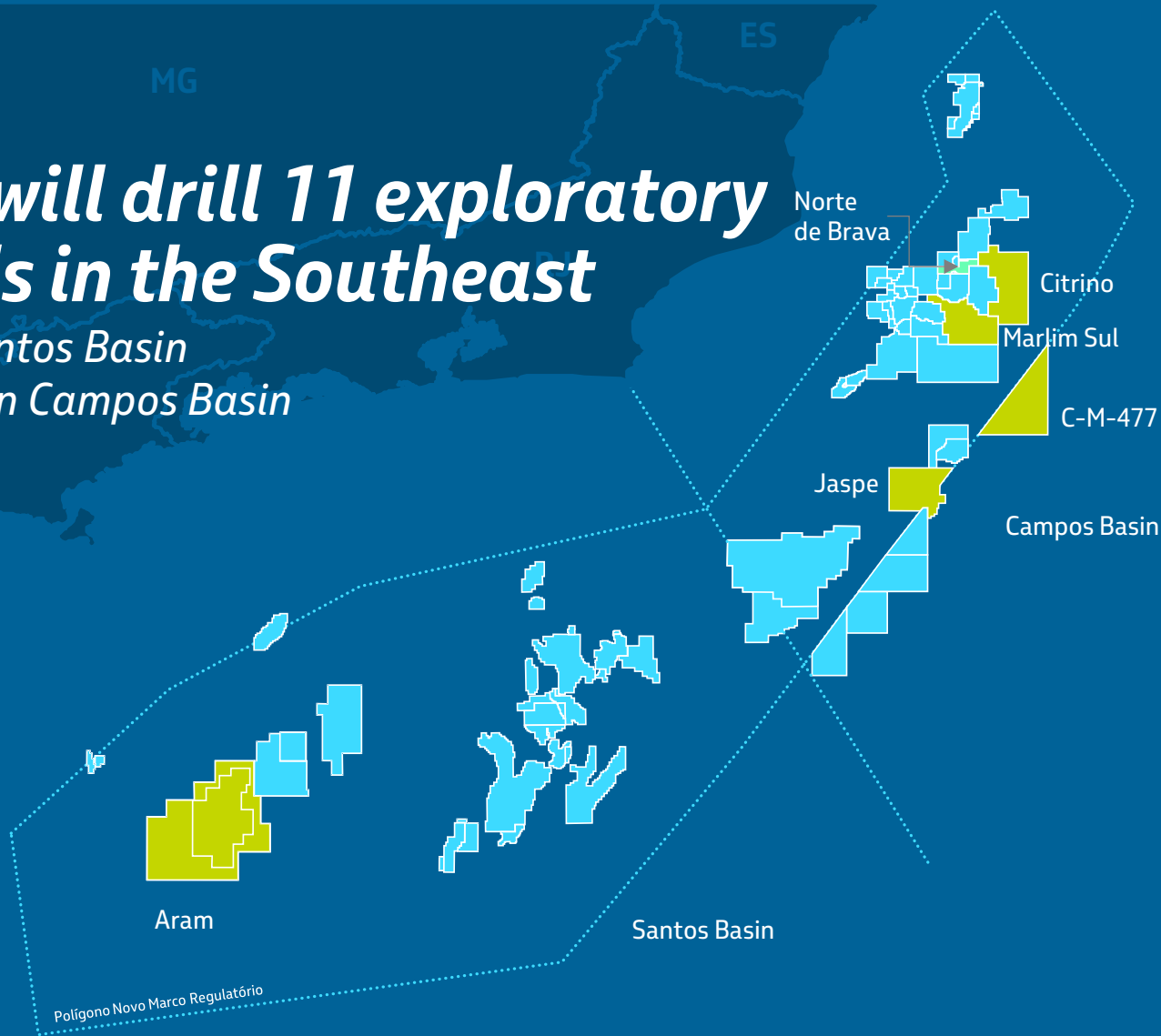
## **MÃE DE OURO**

**DRILLING FOR EXPLORATION  
OPPORTUNITIES IN POTIGUAR  
BASIN**

This drilling is the outcome of a successful exploratory campaign in 2023 and 2024

# We will drill 11 exploratory wells in the Southeast

6 in Santos Basin  
and 5 in Campos Basin



- We will drill an exploratory well next to **Marlim Sul**, envisaging operational synergies
- We will evaluate the exploratory potential of Campos Basin in the **Citrino, Norte de Brava, C-M-477 and Jaspe** blocks
- We will execute formation and drilling tests in **Aram**

# Strategic performance to replenish our exploratory portfolio



## Equatorial Margin

We acquired 10 blocks @ WI PB 50%  
Total: 31\* blocks

## São Tomé and Príncipe

We acquired block 4 @ WI PB 27.5%  
Total: 4 blocks



## Campos

We acquired 2 blocks: one @ WI PB 100% and the other @ 60%  
Total: 7 blocks



## Pelotas

We acquired 3 blocks @ WI PB 70%  
Total: 32\* blocks

\*13 blocks with signing scheduled for 11/28/2025

Legend:  
Blue square: Blocks we acquired in 2025  
Yellow square: Blocks we acquired in 2024



55



# Diversification of the exploratory portfolio in search of new frontiers

## Colombia

Largest Discovery of VGIP in the country (higher than 6 Tcf)

1 block and 1 Discovery appraisal program  
Drillings and Formation tests still planned  
Operator WI PB 44,44%



## São Tomé and Príncipe

Exploratory frontier with proven petroleum system

Partner in 4 blocks  
WI PB 45% in blocks 10 e 13,  
27,5% in block 4 and 25% in block 11



## Pelotas

New Brazilian exploratory frontier

Operator in 32 blocks – 29\* blocks  
WI PB 70% and 3 blocks WI PB 50%

## Argentina

Partner in 1 asset  
WI PB 33,6%



## South Africa

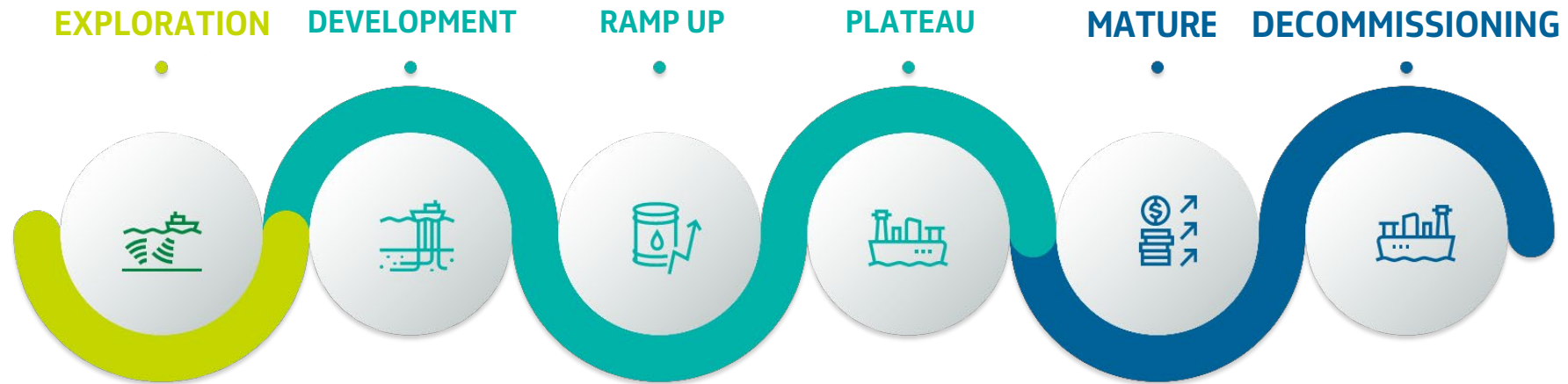
Exploratory trend with significant discoveries

Partner in 1 block  
WI PB 10%

*\*3 blocks with signing scheduled for 11/28/2025*

# We work to extend the life cycle of our assets until exhaustion of alternatives to the sustainable disposal of systems

Ensuring maximum lifetime for systems or reusing them in other fields can generate even more value for our business



## MATURE FIELDS

Focus on enhancing the recovery factor and maximizing portfolio value:

- Revitalization and complementary projects
- *Exploratory upsides*
- **Extension of productive life**

## DECOMMISSIONING

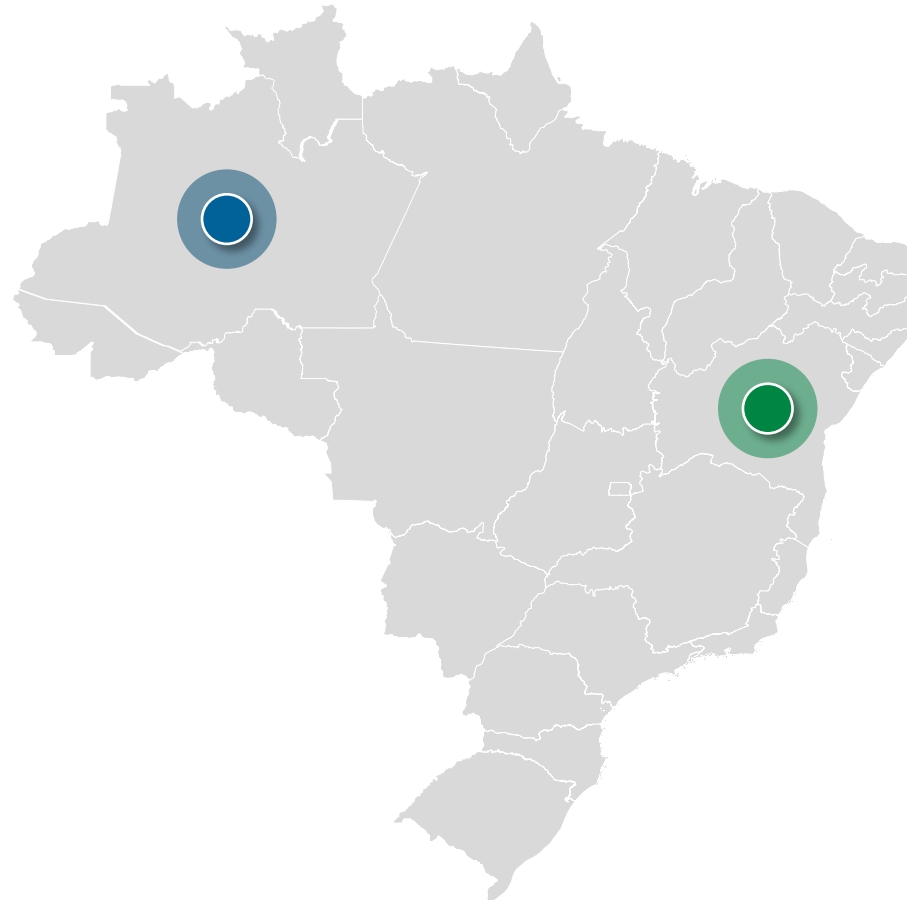
Focus on balancing safety, environmental concerns, and cost optimization:

- Integrity assurance
- Expense reduction on non-operational platforms
- Reduction of project timelines
- Inovações tecnológicas e novos modelos de negócio
- **Systems repurposing**
- Sustainable disposition

# Onshore assets: new rigs contracts enabled the resumption of onshore activities

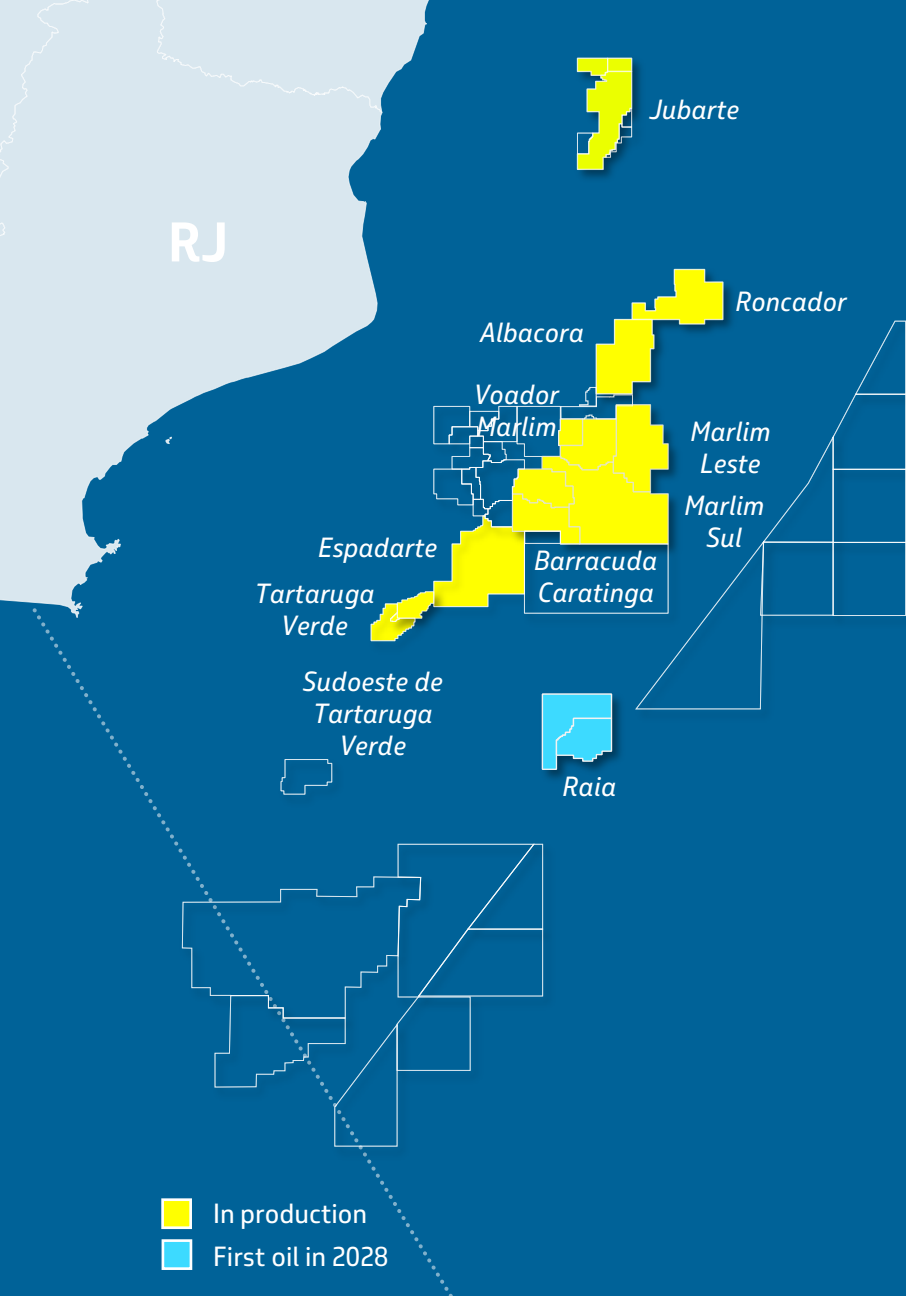
## Urucu, Solimões Basin

- 2 new drilling rigs
- Start of drilling of 2 onshore exploratory wells



## New wells in Bahia

- May/25: drilling of well 7-TQ-240D-BA in the Taquipe field
  - 3 new drilling rigs and 10 additional workover rigs (from 13 to 23)
- 100 well drilling operations over the next 5 years, with opportunities for natural gas exploration



# Campos Basin: New units strengthen our presence in mature fields

After five decades of production, it remains relevant and continues to add value to our future results

## PRESENT



**17** operating  
units

**15 billion boed**  
Cumulative production



**3 Awards**  
**OTC**

**3** of which are *ramping*  
*up*  
(3Q25)

**19%** of our  
oil production

## FUTURE



**1** New Unit  
2026-30

**US\$ 19 billion**  
Capex 2026-30



**20%**  
Reduction in  
lifting cost  
2030 vs 3Q25

**5** New Units  
*under evaluation*

**75%** production from  
new wells in 2030

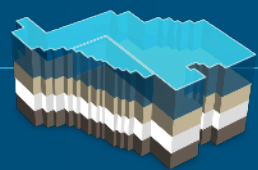


## ***Pre-salt represents around 80% of our production***

*Fields such as Búzios, Mero, Tupi, Iracema, Atapu, Itapu, Sépia, Berbigão, and Sapinhoá account for the majority of our production*

# *In recent years, we've significantly replenished our reserves, keeping costs low*

*Assets in the industry's first quartile for production efficiency and low CO<sub>2</sub> emissions*



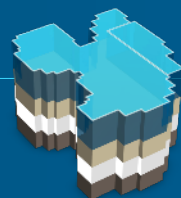
## **Atapu**

- **~168 mboed**  
Total Production

- **7.8 kgCO<sub>2</sub>e/boe**  
GHG index



New FPSO in 2029, reaching the field's full design capacity of 375 thousand bpd



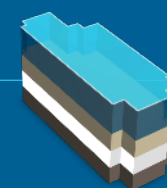
## **Sépia**

- **~178 mboed**  
Total Production

- **10.7 kgCO<sub>2</sub>e/boe**  
GHG index



Additional FPSO in 2030, bringing the field to its full design capacity of 405 thousand bpd



## **Itapu**

- **~170 mboed**  
Total Production

- **5.5 kgCO<sub>2</sub>e/boe**  
GHG index



Operating since Dec/2022, with 2 complementary projects planned for 2029 and 2031

# Mero

The field has increased its share in our portfolio and is expected to maintain this trend in the coming years

## PIONEERING AND TECHNOLOGICAL EVOLUTION



### MERO Extension

Project undergoing selection of alternatives with potential to reserves addition



### HISEP<sup>®</sup> Technological

Mero 3, first oil expected in 2028



First PRM seismic acquisition scheduled for 1H26



- **~650 Mbpd**  
3<sup>rd</sup> highest production in Brazil



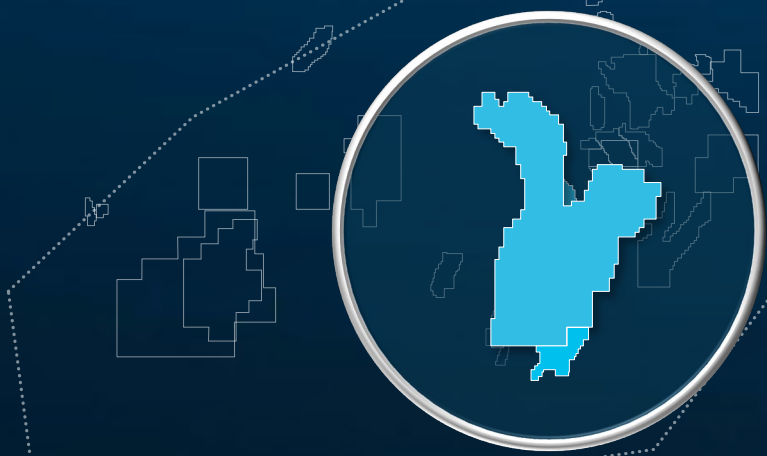
- **9.7 kgCO<sub>2</sub>e/boe\***  
GHG index

- **+ 19 wells by 2030**  
15 producers and 4 injectors

\* Does not include FPSO undergoing commissioning

# Tupi and Iracema

First ultra-deepwater giant field has completed 16 years of operation



## TUPI + VALOR

- Increased production potential and gas supply, production efficiency and water injection
- New project opportunities
- Ambition of 1 million bpd and recovery factor of 35%



## TUPI REVIT 1

Alternative Selection phase (FEL 2), with wells reutilization



Production efficiency within Solomon's 1<sup>st</sup> quartile



- **1,072 Mboed**  
Current operated production



- **9.7 kgCO<sub>2</sub>e/boe**  
GHG index

- **+ 16 Wells by 2030**  
12 producers and 4 injectors

# Búzios

Largest offshore asset worldwide keeps delivering significant results and will continue overcoming challenges over the medium and long term



- **12 FPSOs**
- **~90 wells**  
by 2030



- **Daily record 1 MMbpd**  
October 29, 2025
- **8th OTC Award**  
Technological Innovations  
Búzios Project



- **28% of Oil Production**  
Petrobras 3Q25
- **40 Mbpd**  
Average production per well (2025)
- **1.7 billion boe**  
Cumulative production (Oct/2025)
- **10.6 MM m<sup>3</sup> / day**  
Gas export (Aug 20, 2025)



- **10.9 kgCO<sub>2</sub>e/boe\***  
GHG index



- **36% of Oil Production**  
Petrobras 2030
- **2 MMboed**  
Operated peak production  
ambition (2029)

\* Does not include FPSO with undergoing commissioning



# *REFINING, TRANSPORTATION AND MARKETING*

*Paulo Renato Soares  
(RNEST)*

VALUE PROPOSITION

# Monetize oil reserves, optimizing our assets and securing the market for the future

Our focus areas



## High Quality Products

Increase in oil processing capacity and supply of Diesel S10

Additional supply of 320 Mbpd capacity  
307 Mbpd Diesel S10



## Resilient Refining System

Increase in operational availability and energy efficiency

Ambition of 1<sup>st</sup> Quartile in OA and IES\* indicators\*



## Competitive Logistics

Expansion and maintenance of strategic markets

Addition of 20 ships and 18 barges

Expansion of pipeline network and tank storage



## Biorefining

Low carbon products supply

Production of up to 44 Mbpd of SAF, SBC and HVO



## Fertilizers and Petrochemicals

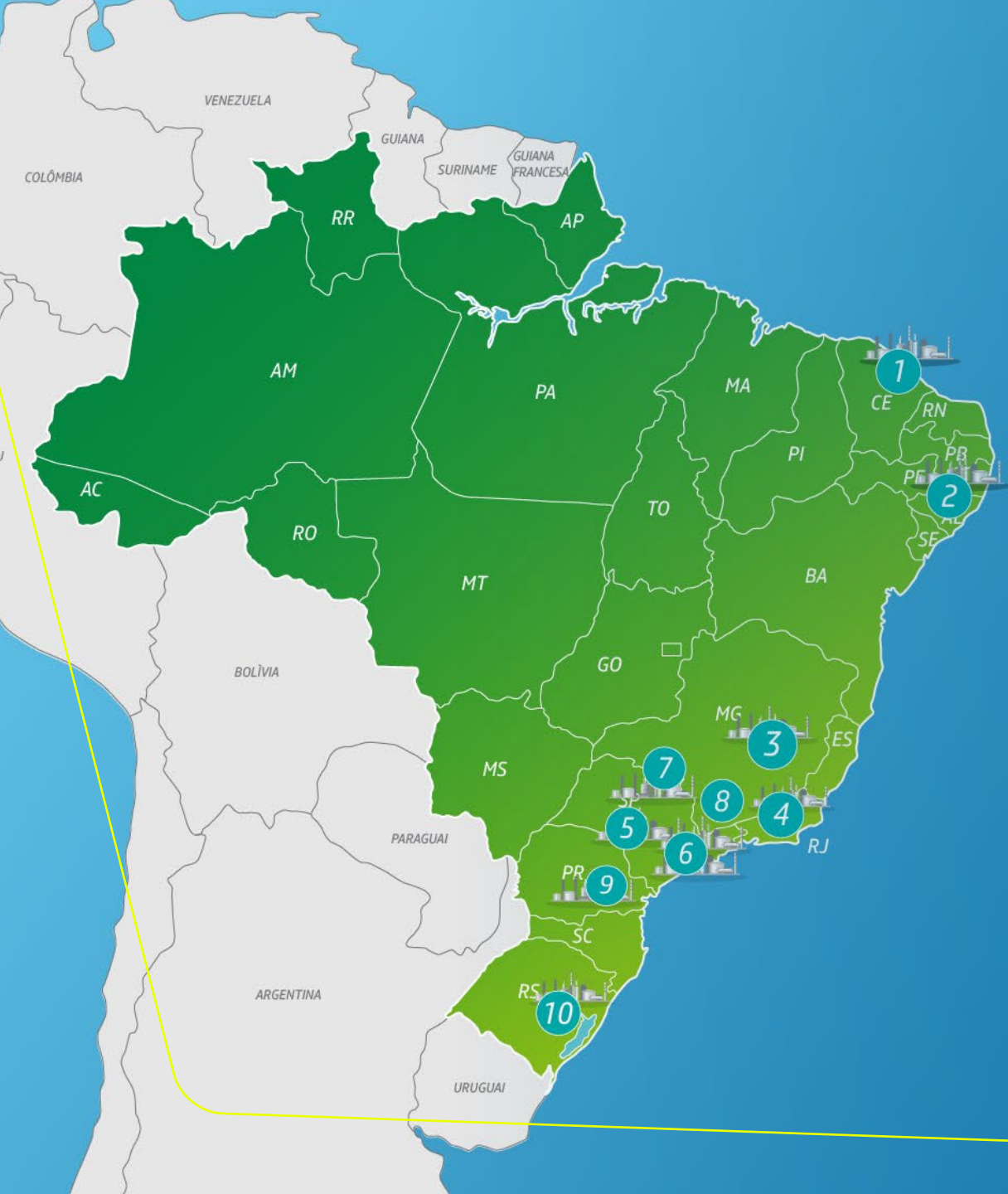
Portfolio diversification

Production potential of 2,820 kta of urea

Continuity of the future vision with prioritization and maturity of strategic projects

\* Benchmark Solomon: OA –Operational Availability; IES – Sustainable Energy Index™

# Our current Refining System



- |   |                   |    |                    |
|---|-------------------|----|--------------------|
| 1 | LUBNOR<br>8 mbpd  | 6  | RPBC<br>170 mbpd   |
| 2 | RNEST<br>88 mbpd  | 7  | REPLAN<br>434 mbpd |
| 3 | REGAP<br>157 mbpd | 8  | REVAP<br>252 mbpd  |
| 4 | REDUC<br>239 mbpd | 9  | REPAR<br>208 mbpd  |
| 5 | RECAP<br>57 mbpd  | 10 | REFAP<br>201 mbpd  |

Processing Capacity (distillation feedstock)  
**1,813 Mbpd\***

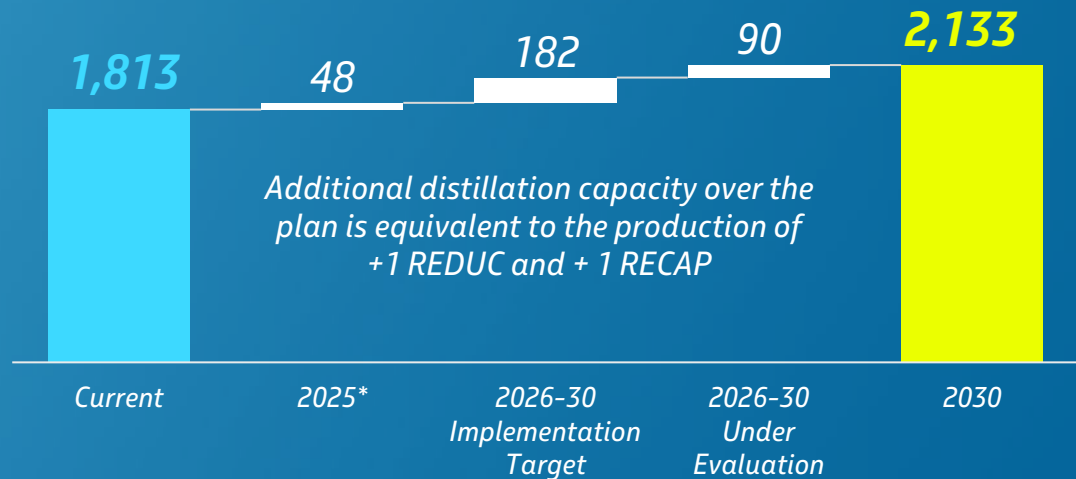
\* Reference feedstock

# Our Refining System in 2030

Oil processing capacity (distillation feedstock)  
**+ 320 Mbpd**  
**RNEST: 172 Mbpd + Refinery Revamps: 148 Mbpd**



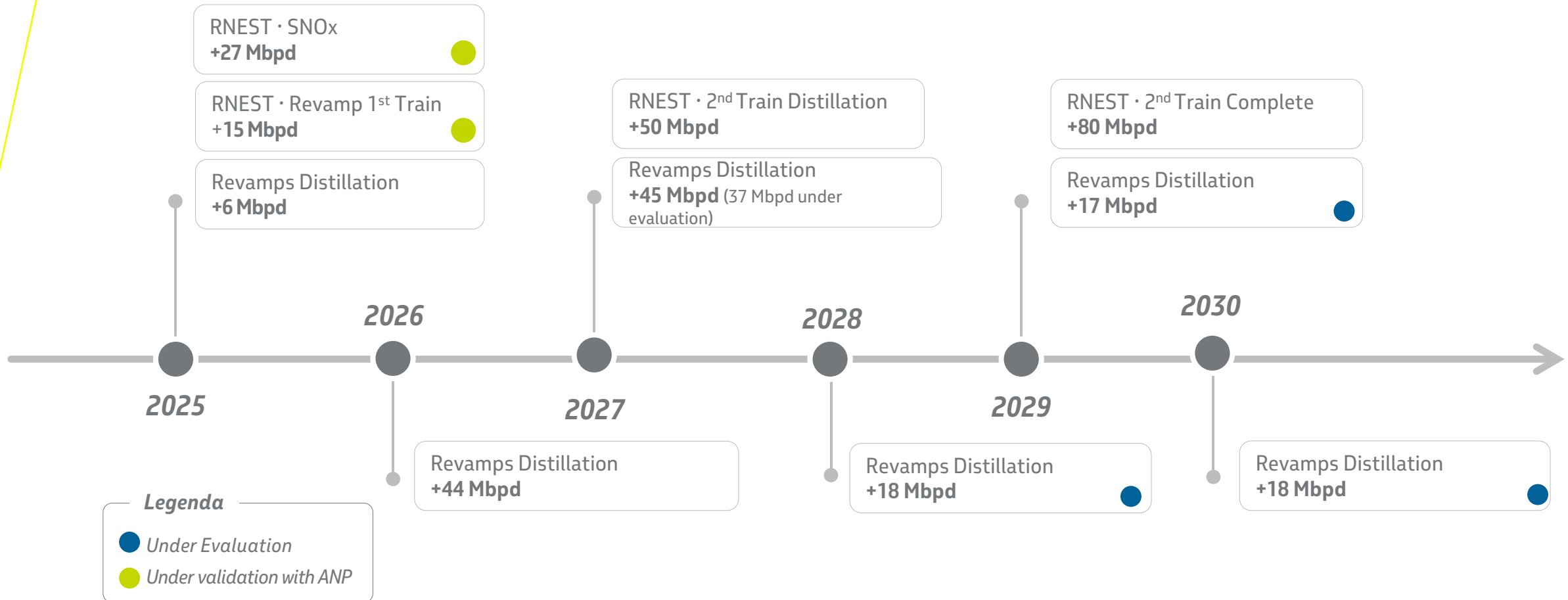
Mbpd



\*RNEST SNOx + Revamp 1<sup>st</sup> Train, RPBC Revamp UV.  
 The values presented refer to the increase in installed capacity. The effective utilization of processing capacity will depend on market analyses and conditions.

# Additional 320 Mbpd in processing capacity

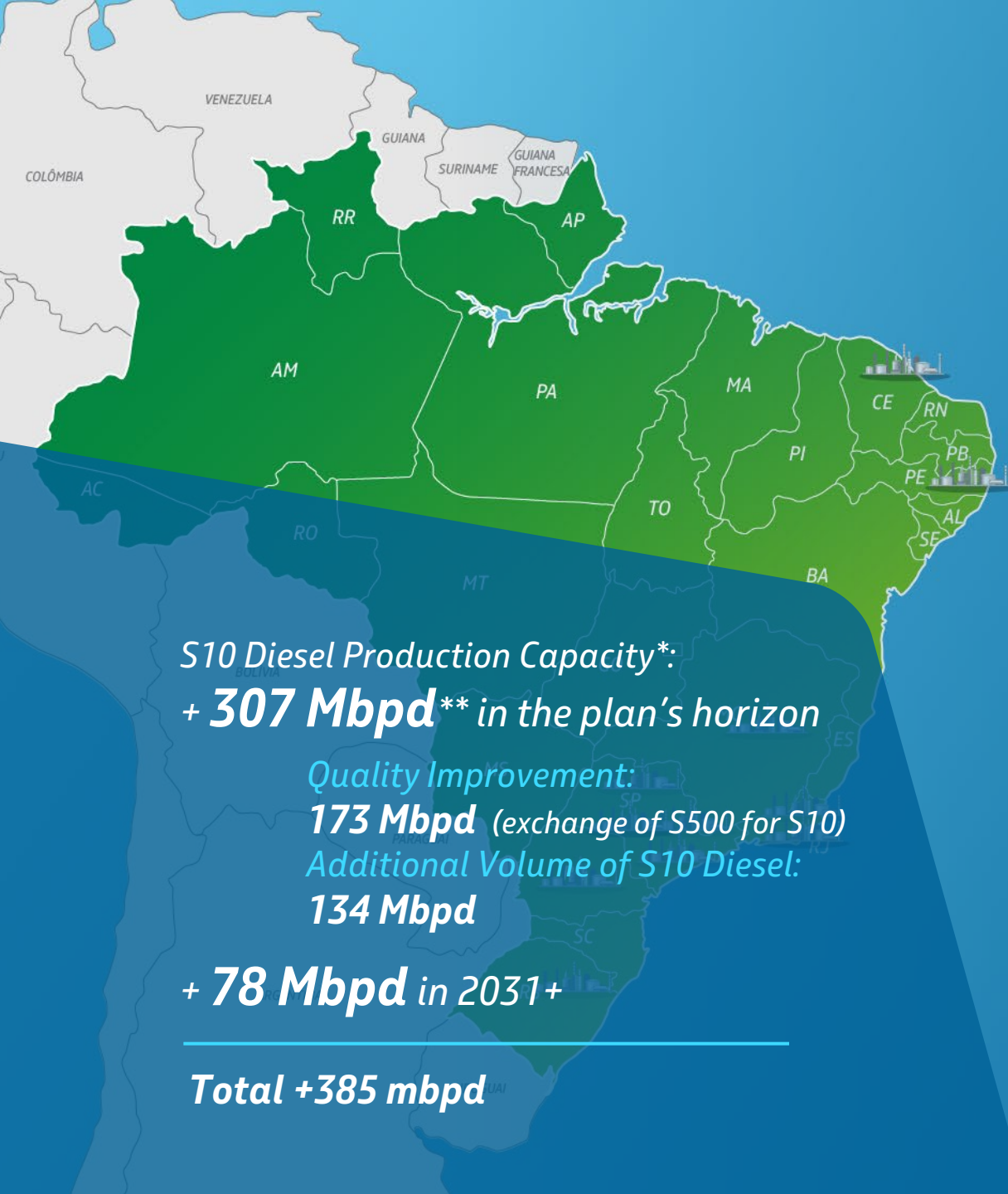
Distillation feedstock - project start-up schedule



\* Values refer to the increase in installed capacity. Effective utilization of processing capacity contingent on market analyses and conditions. Revamp projects depend on scheduled stoppages calendar and may be subject to adjustments.

# Strong growth in S10 diesel production capacity

Capture of voluntary market until completion of the phase-out of S500 diesel



S10 Diesel Production Capacity\*:  
**+ 307 Mbpd\*\*** in the plan's horizon

Quality Improvement:  
**173 Mbpd** (exchange of S500 for S10)  
 Additional Volume of S10 Diesel:  
**134 Mbpd**

**+ 78 Mbpd** in 2031+

**Total +385 mbpd**

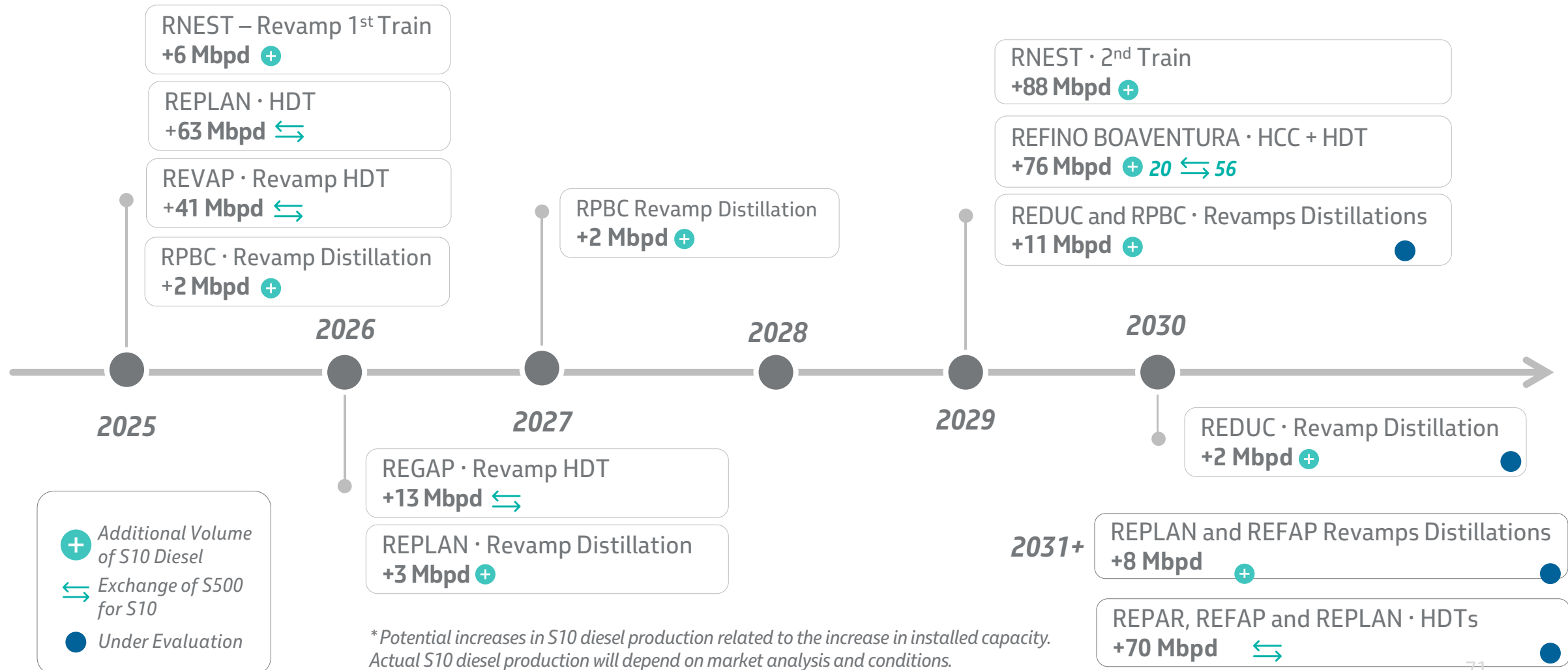
REFINERY	DIESEL S10 Mbpd	QUALITY IMPROVEMENT	ADDITIONAL VOLUME
RNEST	+94		<b>+94</b>
BOAVENTURA	+76	<b>+56</b>	<b>+20</b>
REPLAN	+66	<b>+63</b>	<b>+3</b>
REVAP	+41	<b>+41</b>	
REGAP	+13	<b>+13</b>	
RPBC	+9		<b>+9</b>
REDUC	+8		<b>+8</b>

\* Potential increases in S10 diesel production related to the increase in installed capacity in the 2025–2030 period. Actual S10 diesel production will depend on market analyses and conditions.

\*\* 112 Mbpd will be achieved in 2025 (104 Mbpd of quality improvement in REPLAN and REVAP and 8 Mbpd of additional volume in RNEST and RPBC).

# Additional 307 Mbpd in S10 diesel production capacity

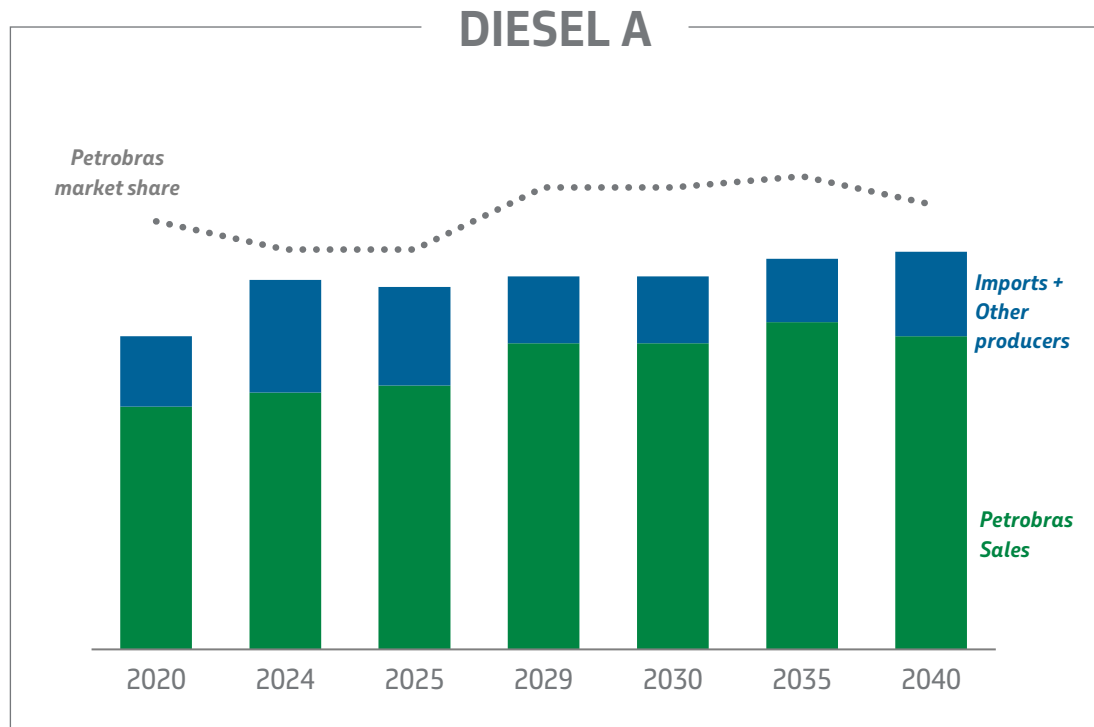
Project start-up schedule\*



HIGH QUALITY PRODUCTS

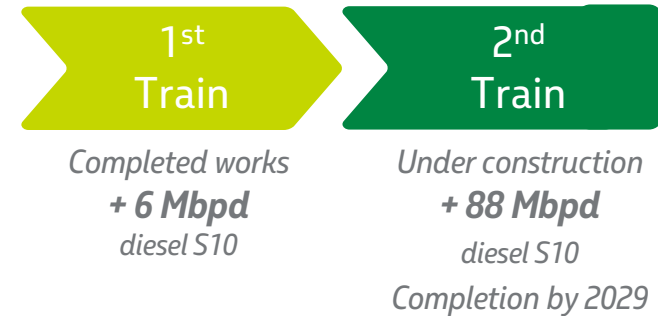
# RNEST and Boaventura Refining competitive to capture growing domestic diesel market

Total capex of the projects equals around one year of EBITDA for the segment

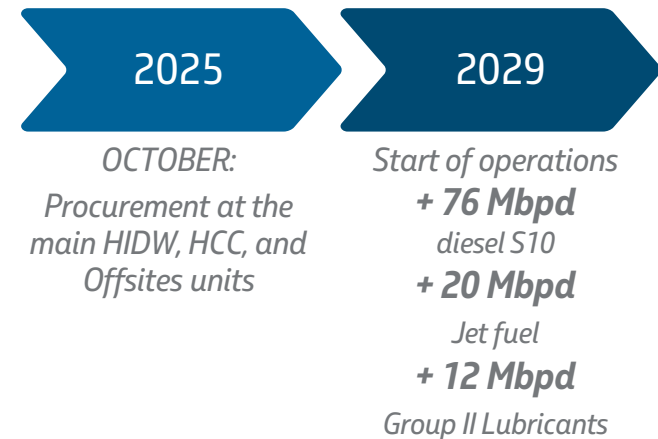


Notes: Petrobras data for historical records + Projection in the Negotiation Scenario - Petrobras 2050.  
 Diesel A corresponds to the fossil portion of diesel, produced in refineries, without the addition of biodiesel.  
 Conservative diesel demand forecast compared to market projections.

RNEST



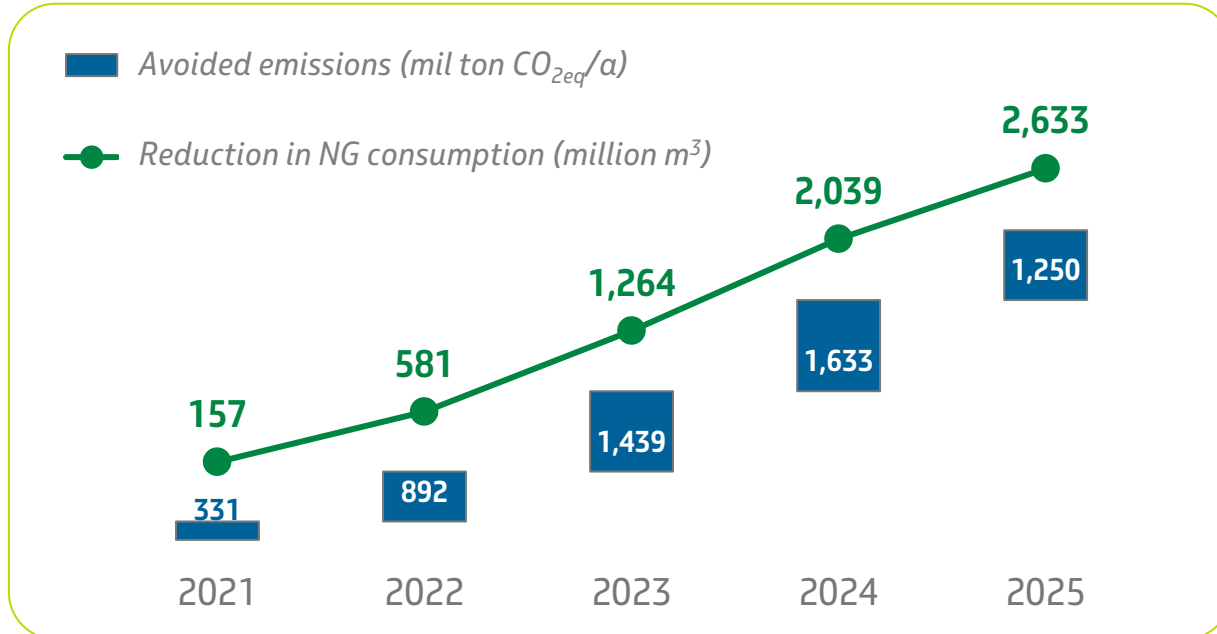
BOAVENTURA REFINING



**RESILIENT REFINING**

# RefTOP: higher operational efficiency of refineries

The cumulative gains in operational and energy efficiency and carbon reduction in Refining already amount to US\$1 billion



(1) Reductions consider comparison with the performance of the year 2020  
 (2) The earnings figures for 2025 consider accumulated results until September

## NEW INVESTMENTS

US\$ 1 billion planned over the five-year period for more than 150 projects in the Refining System

## AMBITION 2030

### Reliability

operational availability: OA\* ≥ 97%

### Energy performance

energy sustainability: IES\* ≤ 86

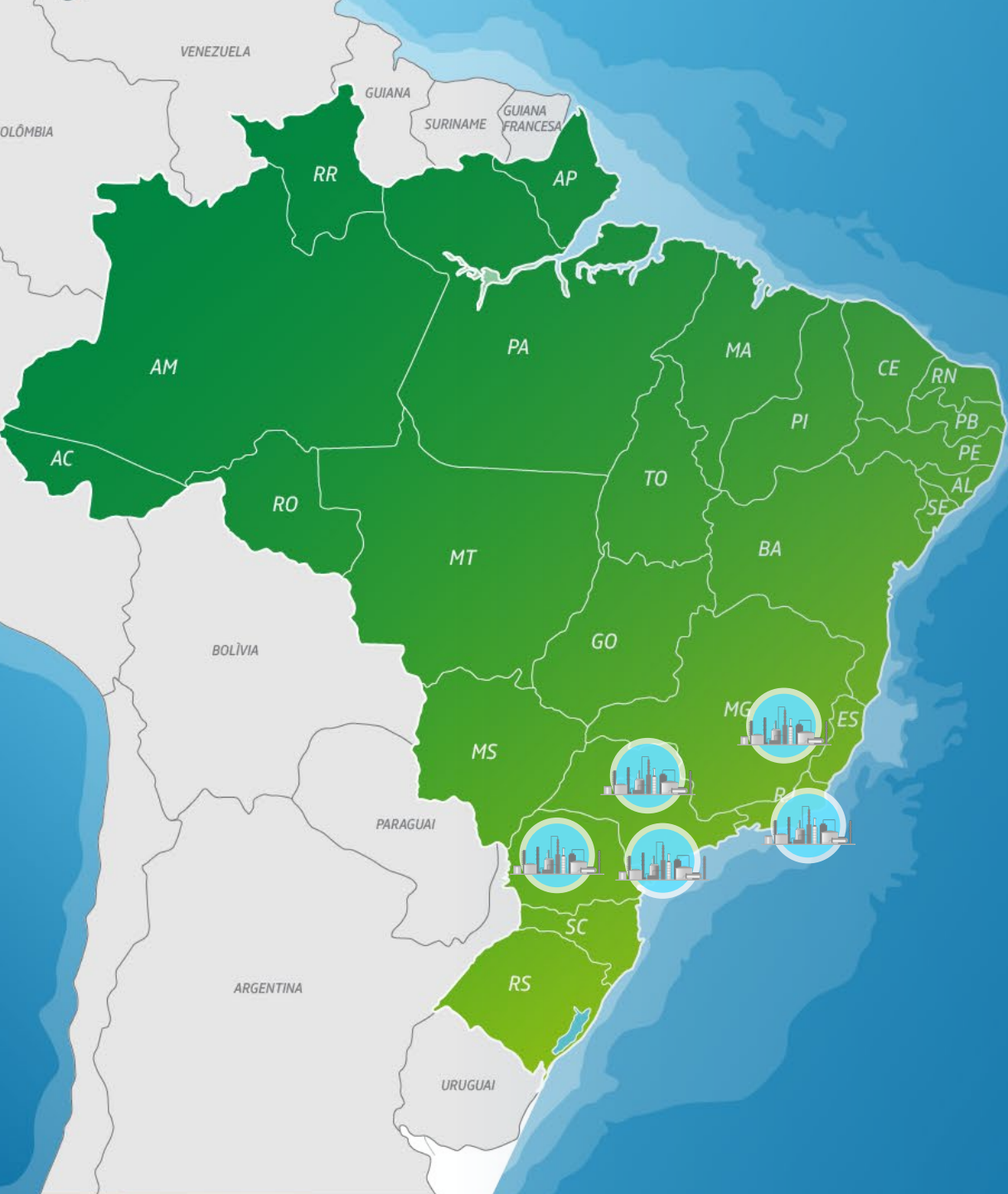
### Sustainability

emission intensity:  
 IGEE ≤ 30kgCO<sub>2</sub> eq/CWT

### Value\*\*

pre-salt processing capacity = 100%

\* Benchmark Solomon: OA –Operational Availability;  
 IES – Sustainable Energy Index™  
 \*\*Does not consider lubricant plants.



# Scheduled Maintenance Stoppages 2026

## REGAP

Units CRUDE/FCC/HDT  
191 heat exchangers, 141 vessels,  
27 towers, 4 furnaces, 11 reactors  
**3,300 workers**

## RPBC

Units ALKYL/HDT  
145 heat exchangers, 141 vessels,  
21 towers, 8 furnaces, 7 reactors  
**3,500 workers**

## REPLAN

Units CRUDE/HDT  
191 heat exchangers, 135 vessels,  
14 towers, 8 reactors, 10 furnaces  
**4,520 workers**

## CAPEX

**2026**  
**US\$ 0.5 billion**

**BP 2026-2030**  
**US\$ 2.4 billion**

## REPAR

Units FCC/HDT  
147 heat exchangers, 91 vessels,  
23 towers, 7 reactors, 6 furnaces  
**4,450 workers**

ALKYL: Alkylation  
CRUDE: Crude and Vacuum Distillation  
FCC: Fluid Catalytic Cracking  
HDT: Hydrotreater

# Photovoltaic Plants in Refining: commitment to emissions reduction

Start-up	Unit	State	Capacity
2025	REGAP	MG	10 MW <sub>AC</sub>
2026	REPLAN	SP	20 MW <sub>AC</sub>
2026	RNEST	CE	12 MW <sub>AC</sub>
2027	BOAVENTURA	RJ	14 MW <sub>AC</sub>

## TOTAL

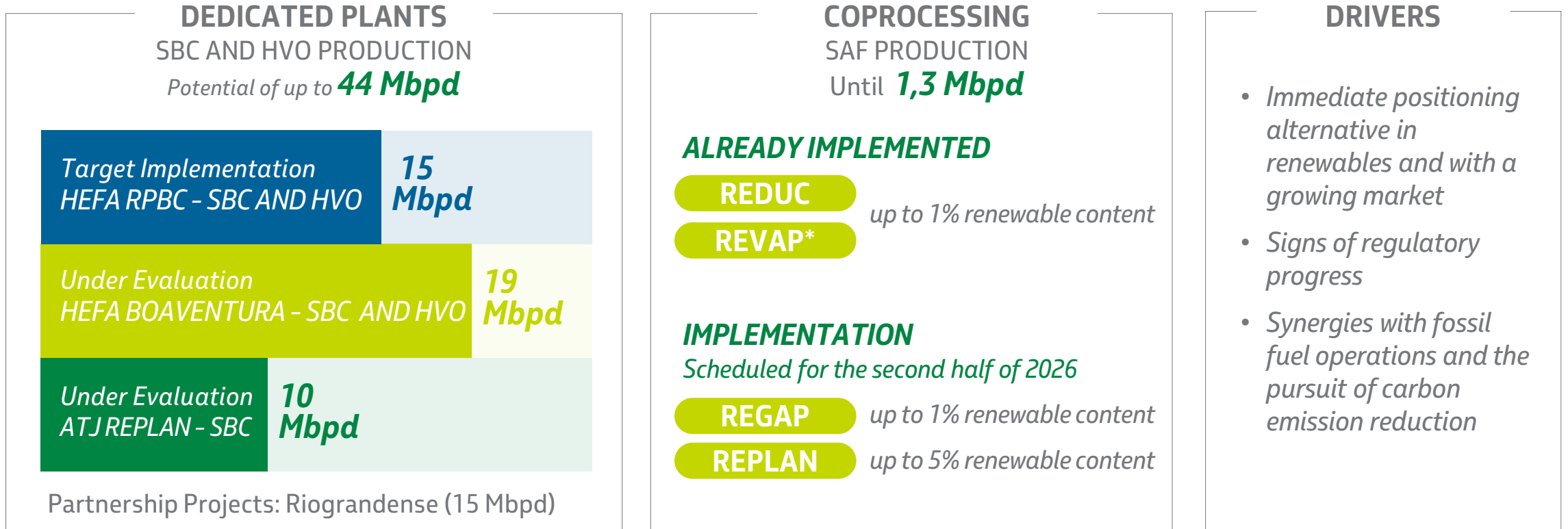
Capacity: 56 MW<sub>AC</sub>

Investment: US\$ 80 MM

## BIOREFINING

# Capex in Bioproducts add value to the refining system

Bioproducts are natural alternatives for decarbonizing the transportation segments



\* REVAP in CORSIA certification process (Carbon Offsetting and Reduction Scheme for International Aviation)

Process: ATJ: Alcohol-to-Jet | HEFA: Hydroprocessed Esters and Fatty Acids

Products: SAF: Sustainable Aviation Fuel | SBC: Synthetic Blending Component (for SAF production) | HVO: Hydrotreated Vegetable Oil, also known as Green Diesel

## COMPETITIVE LOGISTICS

# Expansion of logistics infrastructure and Petrobras market footprint



### Expansion of the fleet of ships and vessels

Renewal and **expansion of the cabotage ship fleet** for low liquidity classes, in addition to the chartering of **new offshore support vessels**, ensuring operational availability

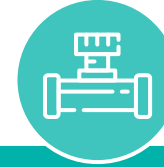
 **INVESTMENT**  
**US\$ 1.9 billion\***



### Expansion of presence in Midwest

New investment cycle in pipeline expansion aimed at **increasing market reach**, reducing logistics costs and carbon footprint, and capturing additional market share for Petrobras

 **INVESTMENT**  
**US\$ 0.6 billion**



### Expansion and maintenance of logistics infrastructure

Optimization of logistics assets to **maximize operational efficiency**, ensuring greater availability and cost reduction, and enabling **monetization of oil reserves and RTM assets**

 **INVESTMENT**  
**US\$ 2.1 billion**

*\*Considering US\$ 0.4 billion under evaluation related to the acquisition of MR2 - PMax vessels*

## COMPETITIVE LOGISTICS

# "Mar Aberto": investments to ensure the logistics of our operations

Renewal and expansion projects of the Petrobras System fleet, an important driver for the Just Energy Transition

### Construction of 20 cabotage vessels and 18 barges

- 8** Gas carriers
- 4** Handy 2
- 4** Medium Range 1 – MR1
- 4** Medium Range 2 – MR2
- 18** Barges and Push boats for Bunker services



**Investment of US\$ 2 billion in the period 2026-30**

### Chartering of 40 new support vessels for fleet renewal to sustain E&P activities

- 12** Platform Supply Vessel (PSVs)
- 10** Oil Spill Response Vessel (OSRV)
- 16** Remotely Support Vessel (RSV)
- 2** Anchor Handling Tug Supply (AHTS)



**Estimated construction cost of more than US\$ 4 billion**

## COMPETITIVE LOGISTICS

# Expansion of operations in the Midwest

*Evaluation of new infrastructure projects aimed at increasing the capacity to supply oil products in the Midwest region*



- *New pipeline connecting REPLAN to the Midwest region*
- *New land distribution terminals*
- *Increased rail transport capacity*
- *Expansion of OSBRA pipeline capacity*

## COMPETITIVE LOGISTICS

# To be the best alternative for customers by expanding direct fuel sales

Logistics investments to expand presence in this market

Getting closer to Agribusiness and to country's interior for direct sales to large consumers in the Midwest region, in the states of Tocantins, Maranhão, Piauí, and Western Bahia:

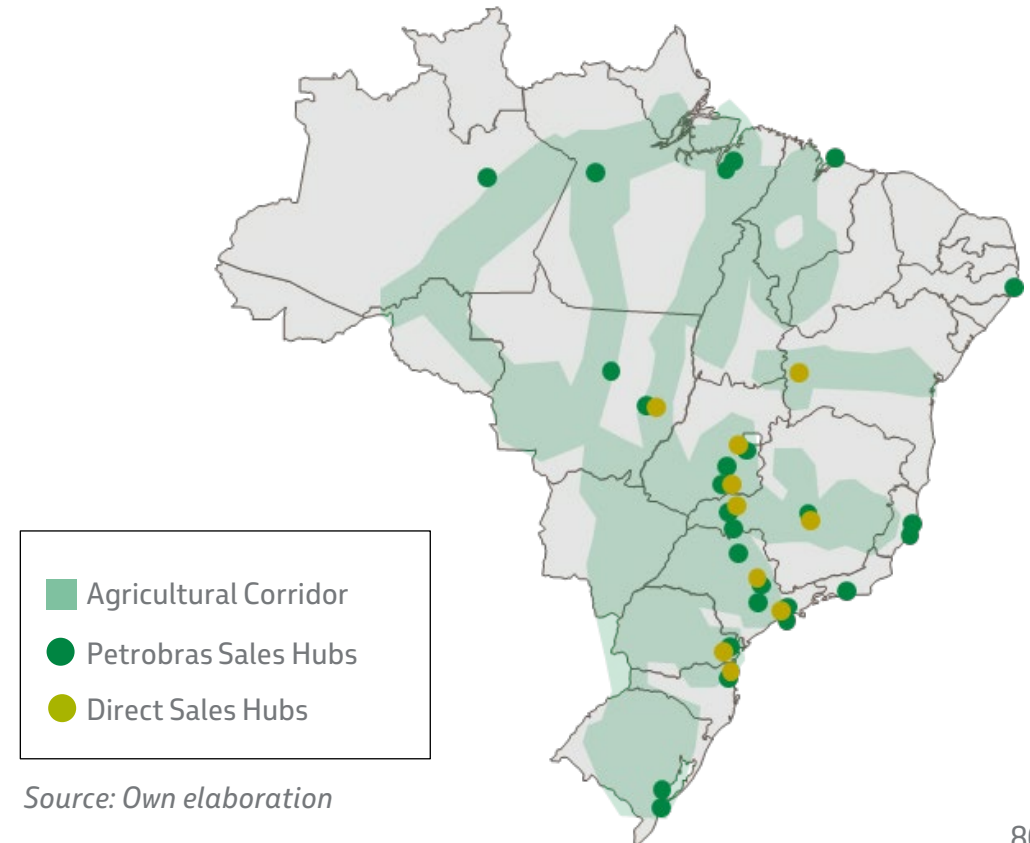
- Expansion of the number of sales hubs, reducing costs and increasing competitiveness
- Supply of fertilizers, with the sale of fertilizer urea, livestock urea, and ARLA\* 32

### Additional commercial opportunities :

- › Inputs for sustainable products
- › Partnerships with logistics operators

\*Automotive Liquid Reducing Agent

## DIESEL SALES POINTS

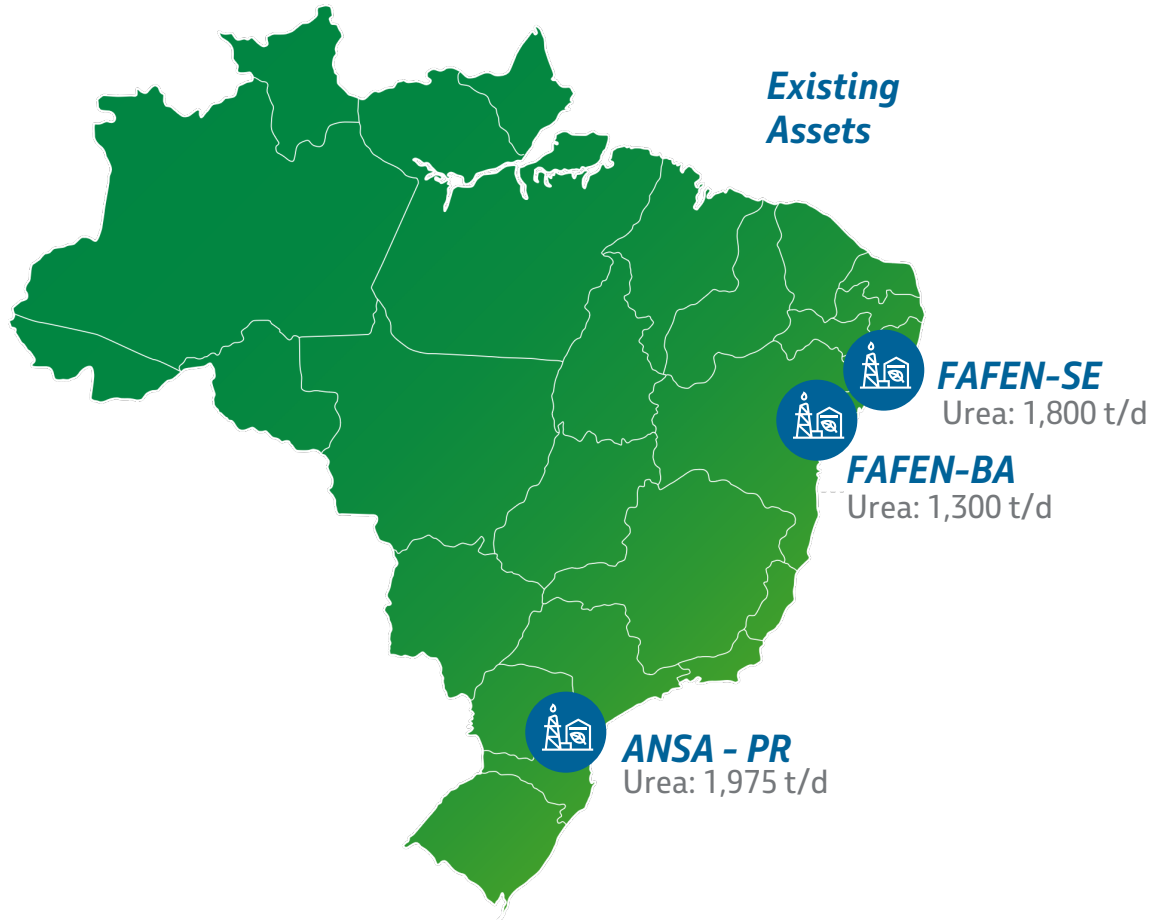


Source: Own elaboration

## FERTILIZERS

# Consolidation of the recovery of the fertilizer segment

Focus on the operational continuity of FAFEN-BA, FAFEN-SE, and ANSA in the first year of the plan



## PRODUCTION IN 2026



- Resumption after maintenance on existing assets
- Daily consumption of Natural Gas: **3.3 million m<sup>3</sup>**

## PRODUCT MIX



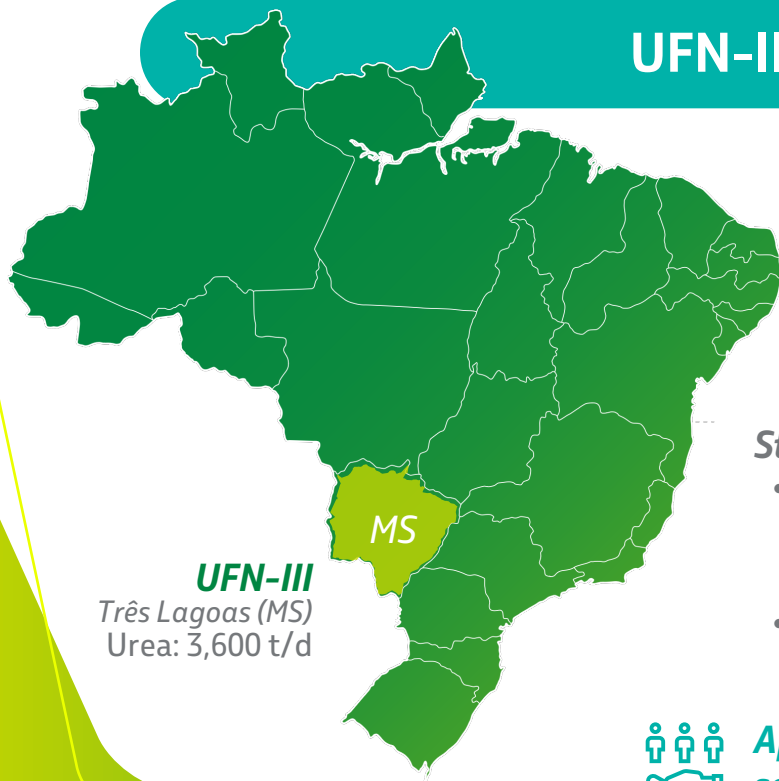
- Potential to meet **20% of the urea market**, substituting imports
- Value generation through the sale of products to meet agriculture and industry demand
- Premium Urea and ARLA 32 contributing to the reduction of emissions from Diesel vehicles

## FERTILIZERS

# Increased production with the completion of UFN-III

New projects and products to increase margins, production, efficiency and decarbonization are also opportunities under evaluation for the segment

## UFN-III PROJECT



Production in 2029

**3,600 tons of urea per day**

Daily Natural Gas Consumption

**2.2 millions m<sup>3</sup>**

**Strategic location:**

- Midwest region accounts for more than 40% of the national urea consumption
- Connection to natural gas infrastructure



**Approximately R\$ 12 million in social projects in the region**

## OPPORTUNITIES FOR THE FERTILIZERS SEGMENT



- *Technological Cooperation Agreement between CENPES\* and EMBRAPA\*\* for the development of new products and decarbonization processes*
- *Agreement with MAPA\*\*\* to develop actions with cooperatives to increase competitiveness*
- *Evaluation for cargo diversification, and waste utilization*
- *Studies of new projects to increase production*

\*Petrobras Research Center / \*\*Brazilian Agriculture and Livestock Company / \*\*\* Ministry of Agriculture and Livestock

# Chemical and petrochemicals operations in an integrated and sustainable manner



## Projects under study: medium/long term

- **Boaventura:** Use of natural gas liquids from UPGN Rota 3 for Petrochemicals
- Opportunities for **integration with Refining:**
- FCC Petrochemical (REDUC)
  - Green HLR (RECAP)
  - Higher supply of Propylene (REFAP, REPAR, REVAP, RECAP, REPLAN and REDUC)
  - Raw material for the Polyester chain (RNEST)

## Contributions to the business



- Integration with refining and natural gas
- Value aggregation
- Products with growing demand
- Resilience against the decline in fossil demand
- Low carbon emission products (Scope 3)
- Oil & Gas companies continue investing

## Contributions to the country

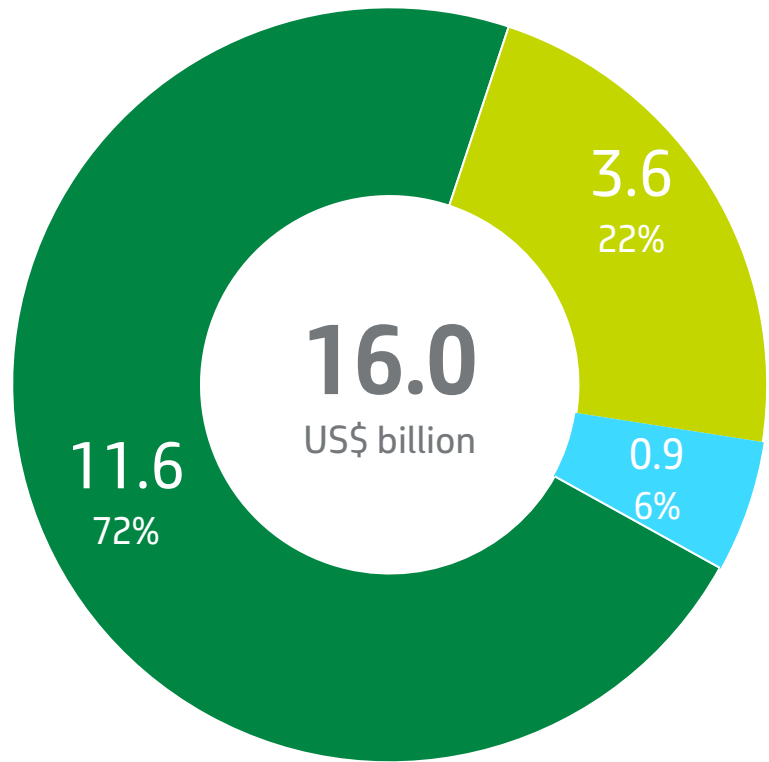


- Strengthening of the national industry
- Jobs creation and income generation
- Imports substitution

# RTM Implementation Target Capex

**BP 2025-29**

*Implementation*



**-1.0**

Optimization of Operational Availability Capex

**+0.5**

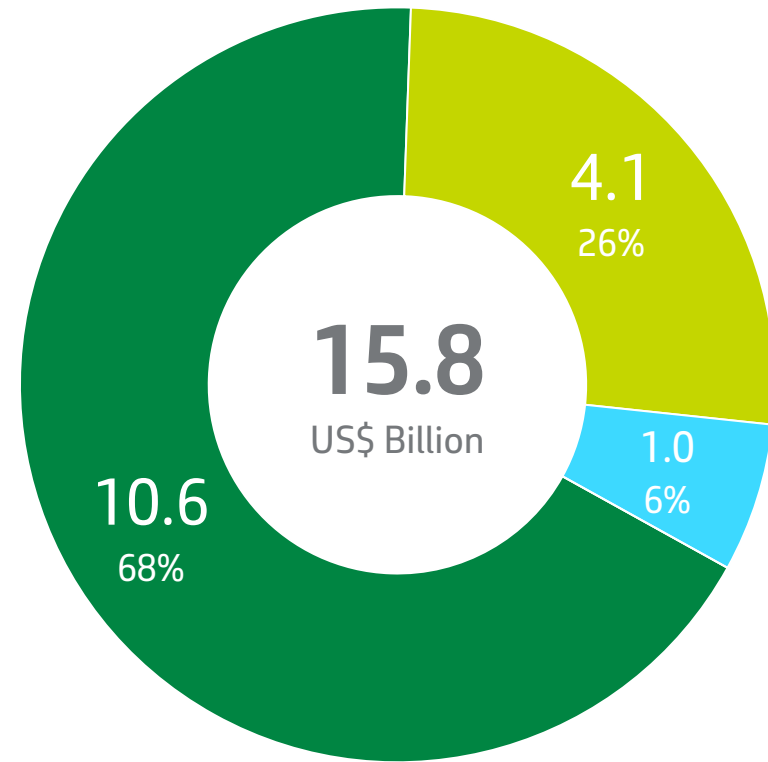
New Ships and Pipeline Infrastructure Expansion

**+0.1**

Project value updates

**BP 2026-30**

*Target Implementation*



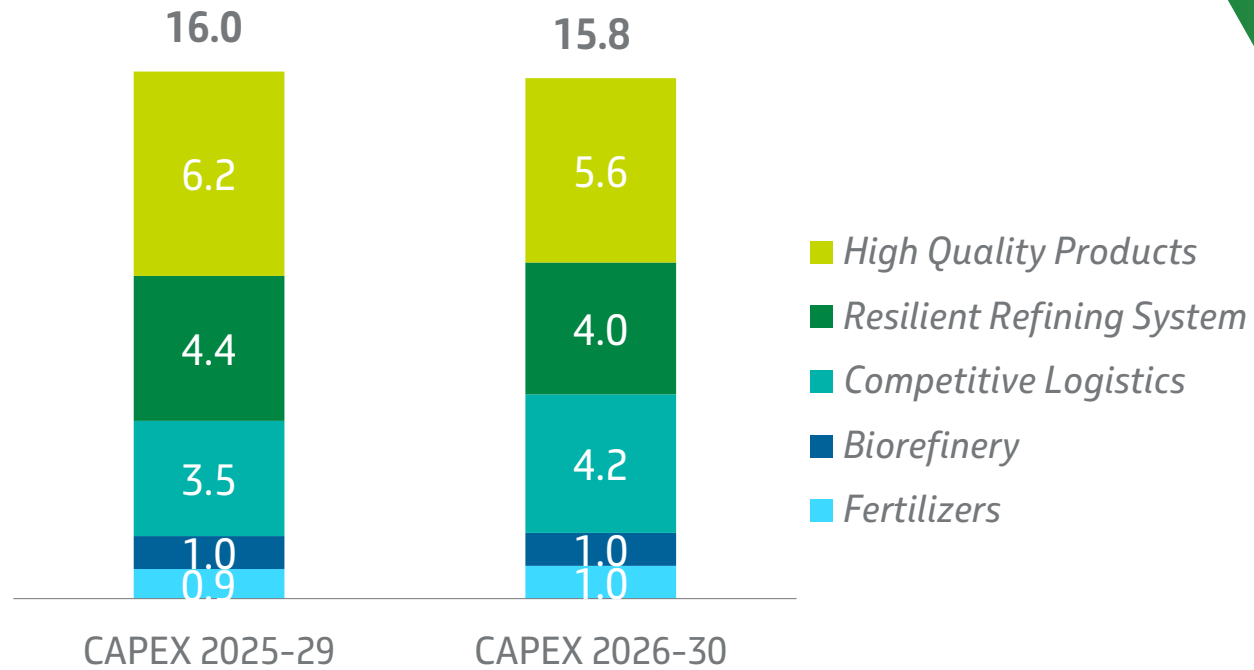
Note: Projections subject to variation of +/- 5%.

- Refining
- Transportation and Marketing
- Fertilizers

# Capex under implementation by focus area

Comparison between plans

US\$ billion

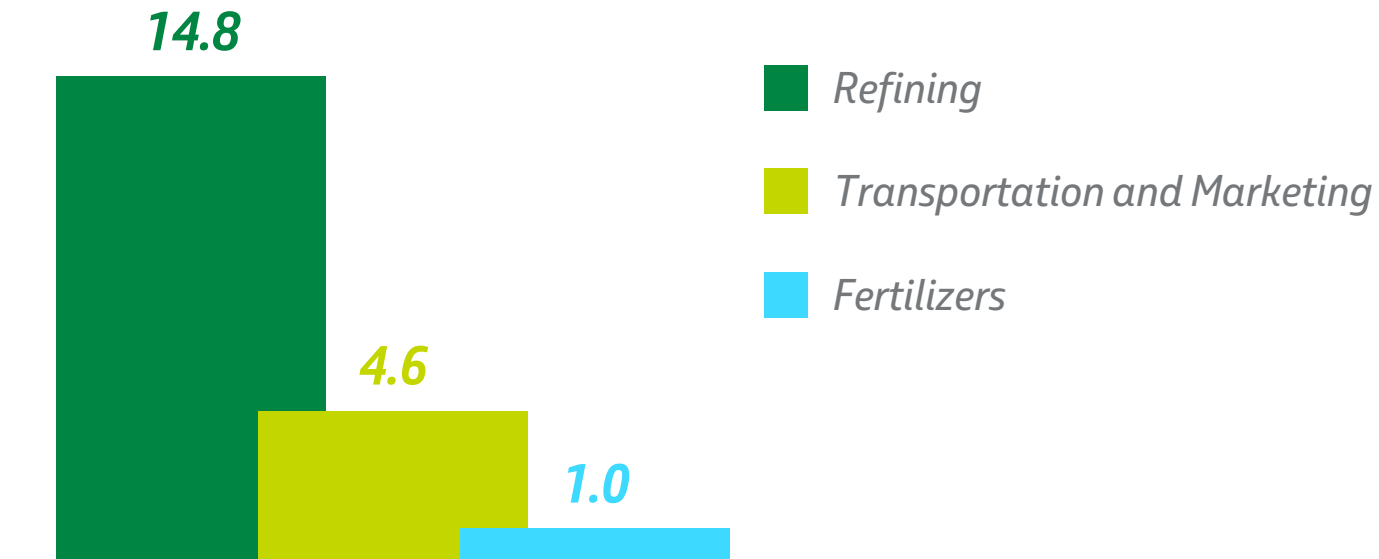


Note: Projections subject to variation of +/- 5%.

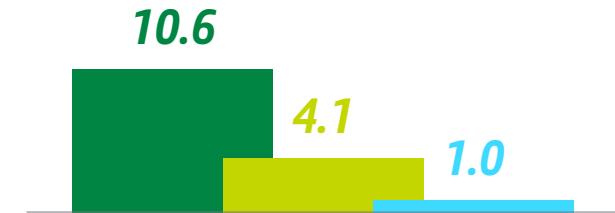


# Our portfolio totals US\$ 20.3 billion

**Total portfolio** US\$ 20.3 billion



**Implementation Target** US\$ 15.8 billion



**Under Evaluation** US\$ 4.6 billion



Note: Projections subject to variation of +/- 5%.

# ***GAS & LOW CARBON ENERGIES***



*Taciana Ferreira de Farias  
(GAS & POWER)*

# ***GAS & POWER***

*Segment's value proposition*

*Act in a **COMPETITIVE**  
and **INTEGRATED** way in the  
operation and  
commercialization of gas and  
energy, optimizing the portfolio  
and promoting the inclusion of  
**RENEWABLE SOURCES***



# Robust portfolio in the new open and dynamic gas market.

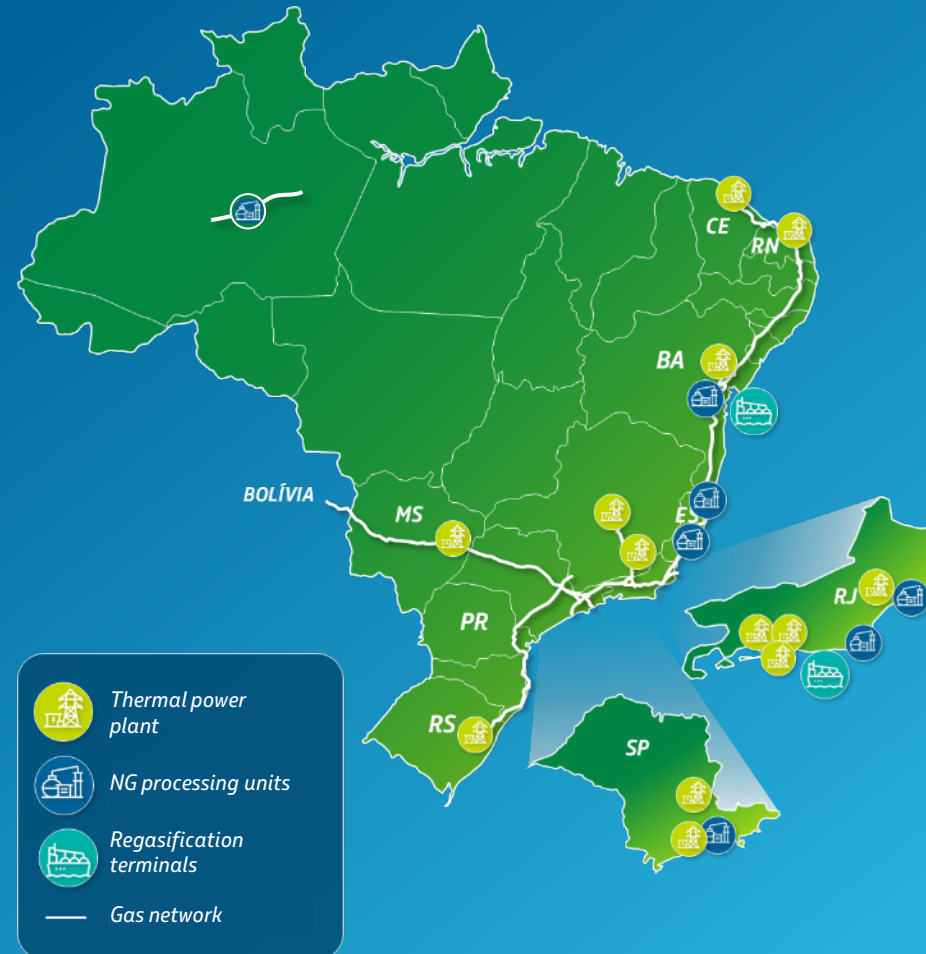
Certified thermal power plants available for new contracts for the National Interconnected System.

## NATURAL GAS

- +13% domestic gas (own production) \*
- + 100 MMm<sup>3</sup>/day: Processing Capacity
- 40 MM m<sup>3</sup>/day in 2 Regasification Terminals
- Import via pipeline
- 99.99% Supply Reliability
- Over 30 years of experience

\* 9M24 vs. 9M25

\*\* ISO 55,001



## ENERGY

6th largest power generation player in the country, with 13 thermal power plants connected to the integrated transmission grid and 4.9 GW of capacity, of which 2.9 GW are expected to be contracted in the coming

The first and only Certified Thermal Power System in asset management\*\* in the country, with reliable and competitive units

Projects: New Thermal Power Plants in the Boaventura Energy Complex (800MW)

# Dynamic performance in synergy with clients

We want to be the #1 choice in the market



## STRUCTURAL ACTIONS

- *Increase in the supply of domestic gas from our own production*
- *New competitive commercial products*
- *Customer-base mapping to identify new short, medium and long-term opportunities*
- *New Customer Channel: Focus on relationship-building*

\*9M24 vs. 9M25

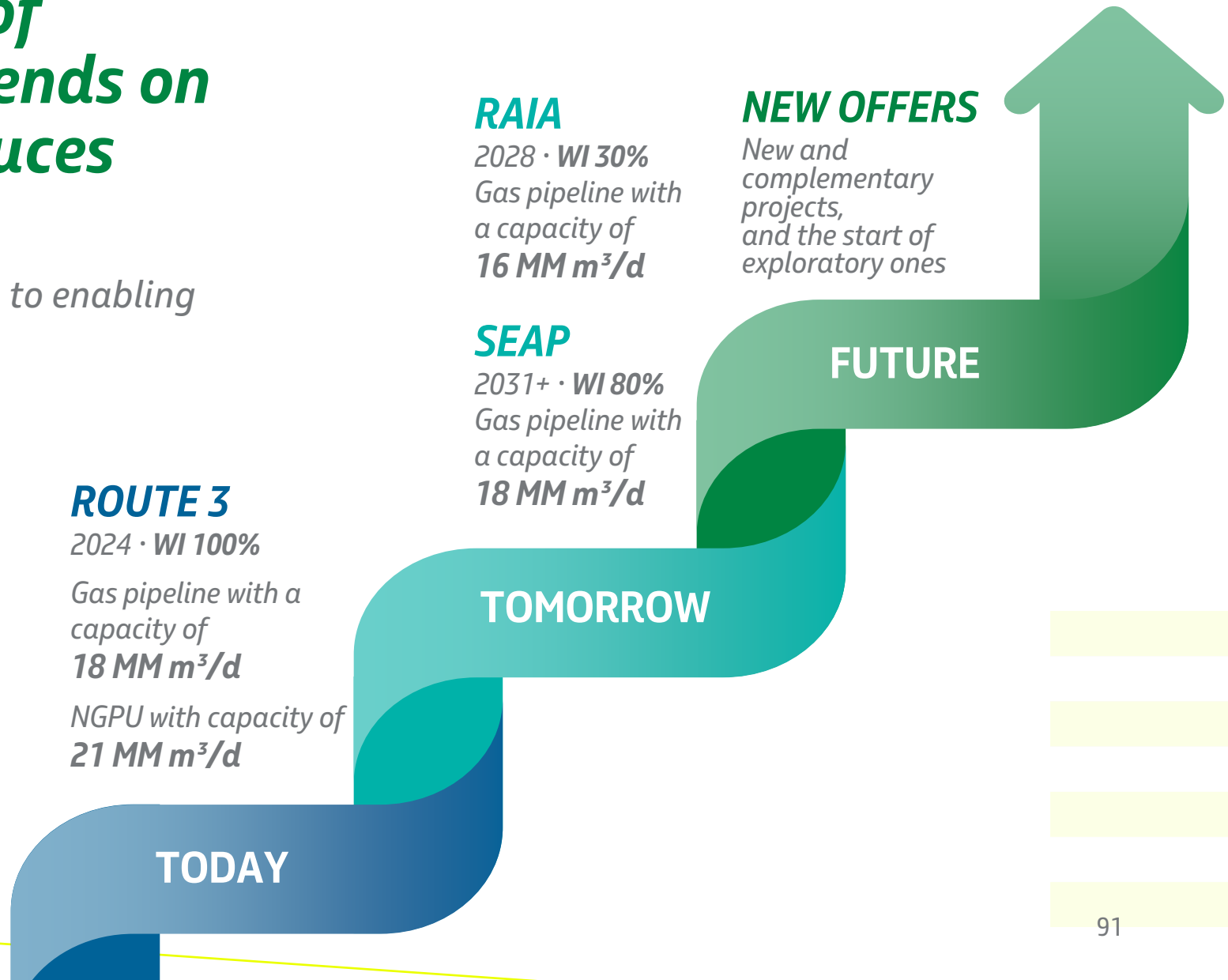


## RESULTS

- *We supply all distributors in the integrated network*
- *Growth in free-market sales exceeds 300%\**

# Sustainable growth of domestic supply depends on investments and reduces reliance on imports

Regulatory certainty is a critical path to enabling investments



## ROUTE 3

2024 · WI 100%

Gas pipeline with a capacity of 18 MM m³/d

NGPU with capacity of 21 MM m³/d

## RAIA

2028 · WI 30%  
Gas pipeline with a capacity of 16 MM m³/d

## SEAP

2031+ · WI 80%  
Gas pipeline with a capacity of 18 MM m³/d

## NEW OFFERS

New and complementary projects, and the start of exploratory ones

FUTURE

TOMORROW

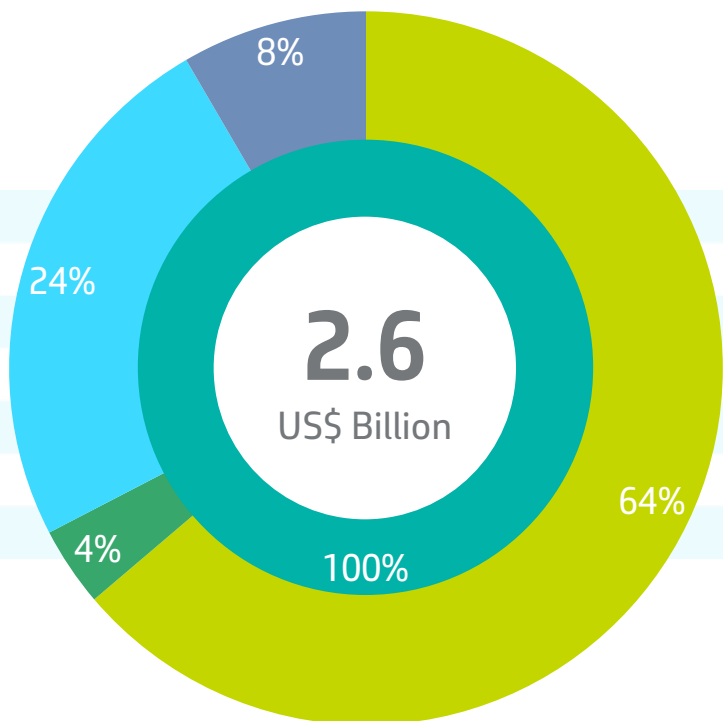
TODAY

# G&P portfolio remains resilient

Adjustments aligned with market trends

**BP 2025-29**

Total portfolio



**-US\$ 0.2 Bn**

Current Investments

**-US\$ 0.1 Bn**

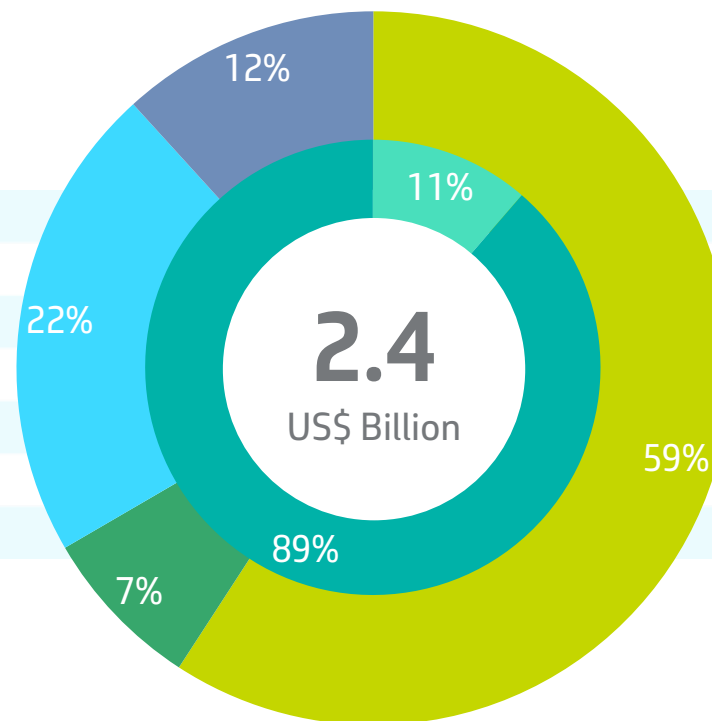
New Thermal Power Plants

**+US\$ 0.1 Bn**

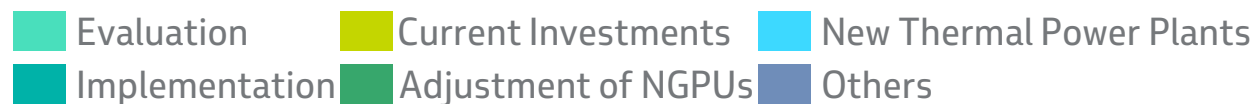
Adjustment of Natural Gas Processing Units (NGPUs) facilities

**BP 2026-30**

Total portfolio



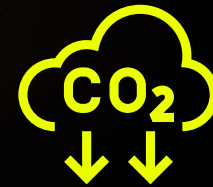
Note: Projections subject to variation of +/- 5%.



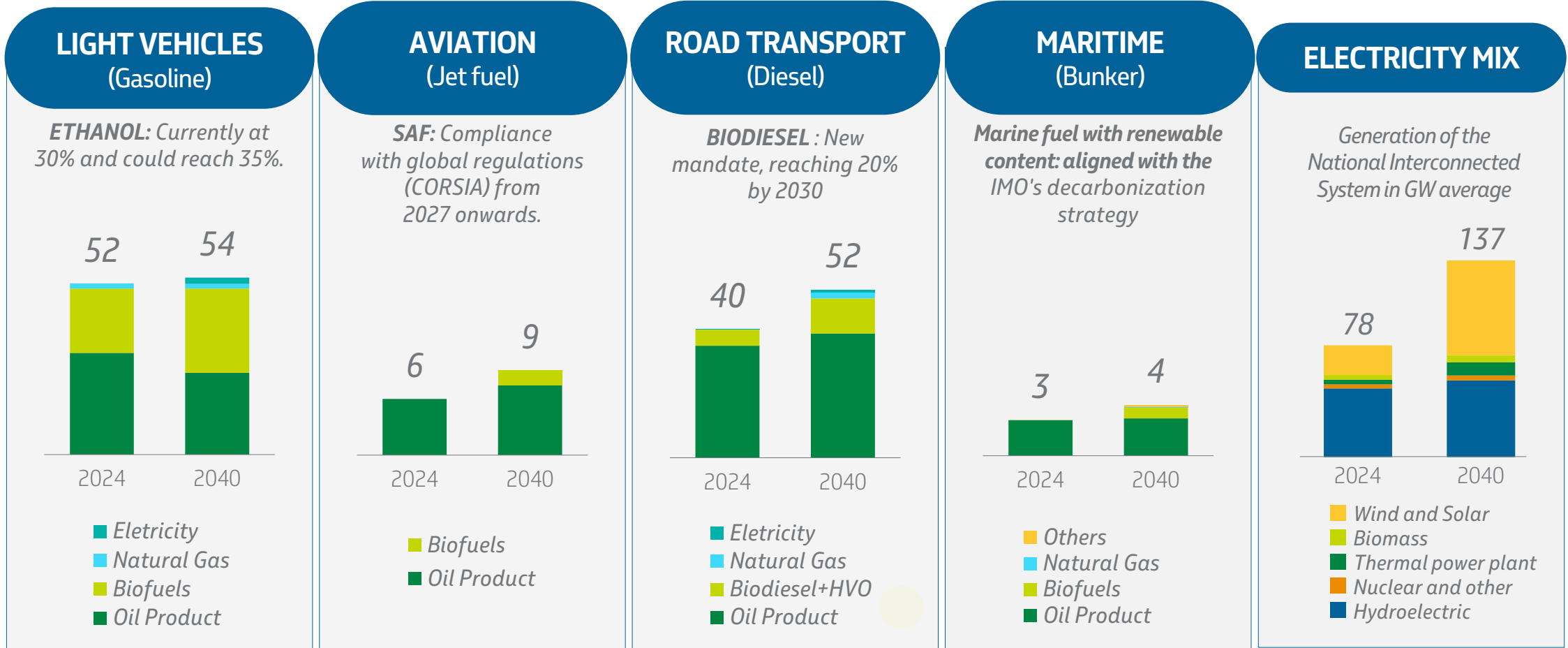
# LOW-CARBON

*Segment's value proposition*

*Operate in **LOW-CARBON BUSINESSES, DIVERSIFYING THE PORTFOLIO** in a **PROFITABLE** way and promoting the longevity of Petrobras*



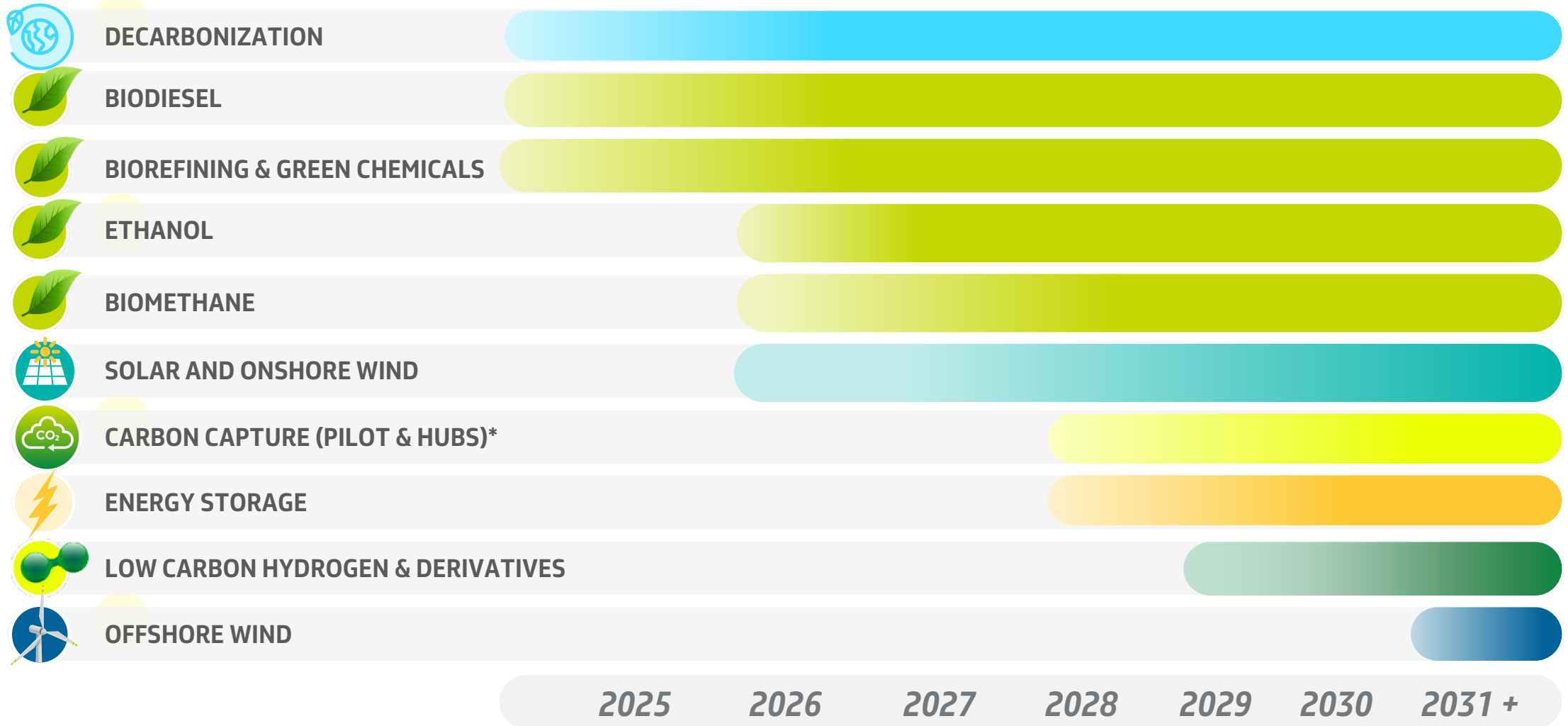
# Increasing demand for bioproducts in the transportation sector and the advancement of renewables in the electricity matrix



Fuel prices in MM TEP and SIN generation values in GW average  
 Source: National Energy Balance and Petrobras BP 2026-30

# The alternatives are complementary over time

Entry into these segments is in line with regulatory and market progress

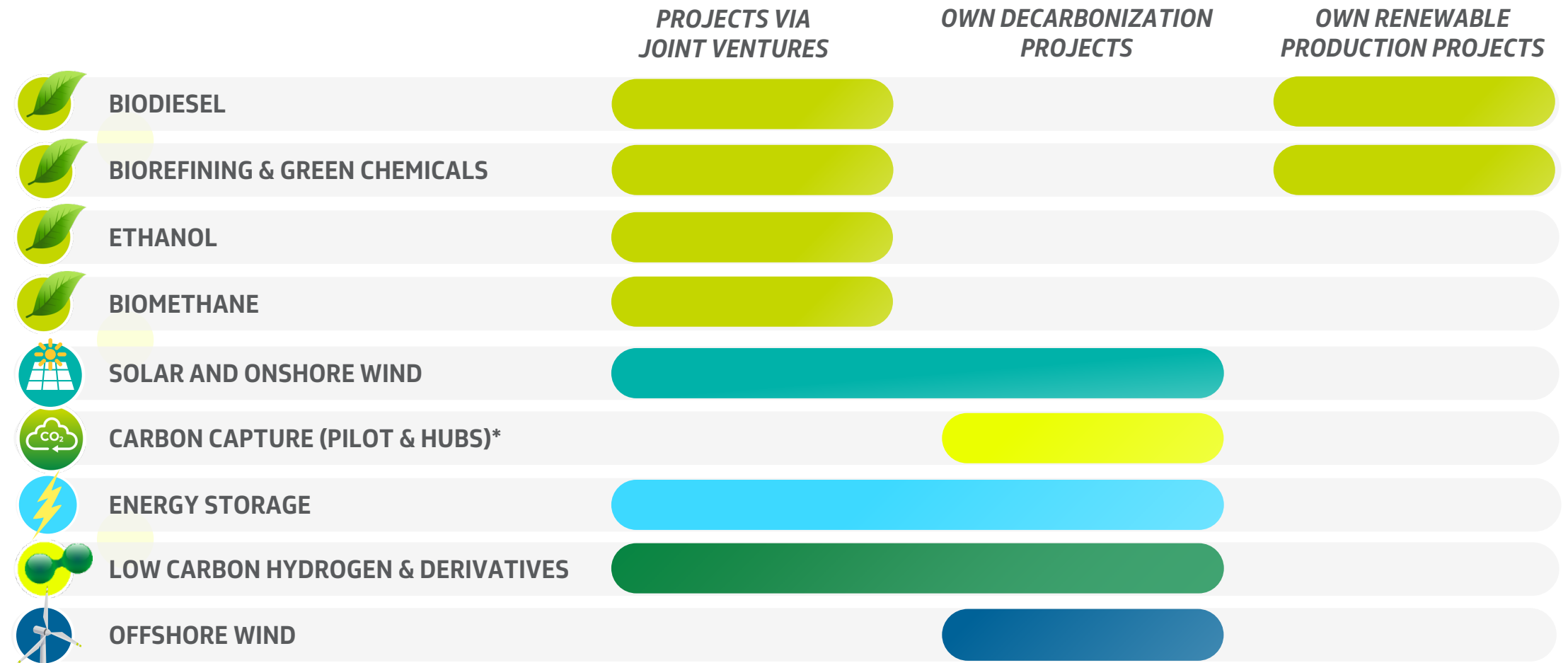


\*CCUS-EOR operating since 2008

The graph represents the time frame of entry into each business, and does not indicate the intensity of the investment.

# Business models for low-carbon segments

Business development in all segments presumes continuous investment in R&D



\*CCUS-EOR operating since 2008

# Biodiesel: a solution for decarbonizing road transport and an outlook for maritime transport

Expanding operations in the segment through partnerships with players which have good access to raw materials, increasing margins and capturing projected demand growth.



## MOTIVATORS

### **REGULATORY ADVANCEMENT**

An increase in the mandated percentage of biodiesel in B diesel, currently at 15%, potentially reaching 20% by 2030

### **Brazil in a favorable position**

The world's third-largest biodiesel producer, with a favorable climate, diverse raw materials, mature technology, and an efficient industrial base



## Biodiesel Synergies

- › **BIOREFINING** - Vertical integration of the biodiesel chain with crushing of grains and/or oils and fats (raw material for SAF via the HEFA route)
- › **MARINE FUEL** - Decarbonization through bunker fuel for industrial and maritime clients (B24 and B100 markets)
- › **DIRECT SALES** - Prospecting for large agribusiness clients

# Ethanol: relevance and growth in light transportation, with strong potential in the aviation and maritime segments



## MOTIVATORS

### **REGULATORY ADVANCES**

Increase in the mandate for blending anhydrous ethanol with gasoline, currently at 30% (E30) and potentially reaching 35% by 2030

### **Brazil in a favorable position.**

The world's second largest ethanol producer, with mature technology, a favorable climate for sugarcane and corn production, and a significant fleet of flex-fuel vehicles



## ETHANOL SYNERGIES

- › **DIRECT SALES** - Prospecting large agribusiness clients
- › **REVERSE LOGISTICS** - ethanol and oil products, in road and rail transport modes
- › **SAF** - Low-carbon-intensity ethanol as a strategic feedstock for SAF
- › **CCS & BECCS** - High-quality carbon credits using technologies mastered by Petrobras
- › **E-FUEL** - High-purity biogenic CO<sub>2</sub> for the next-generation of e-methanol and e-SAF

Minority stakes in leading companies in the sector enable faster market entry with lower initial investment and reduced risk, positioning us to capture the growth in ethanol demand

# Biomethane : regulatory advances foster a large potential market

Minority stakes in established companies in the sector qualify us to capitalize on growing demand with a robust project pipeline



## MOTIVATORS

### REGULATORY ADVANCEMENT

Targets for replacing natural gas with biomethane or CGOB in transportation and industry, starting at 0.25% from 2026 and potentially reaching 10% by 2030

### BRAZIL IN A FAVORABLE POSITION

It is a structuring vector for the country's circular economy and climate neutrality, with the potential to transform environmental liabilities into energy assets



## BIOMETHANE SYNERGIES

- › **HEDGE FOR MANDATE OBLIGATION** - Petrobras as the main off-taker, guaranteeing stable demand for producers
- › **DIVERSIFICATION OF SOURCES** - Possibility of reducing LNG imports
- › **DECARBONIZATION OF OPERATIONS** - Replacement of fossil fuels
- › **LOW CARBON EMISSION HYDROGEN** - Biomethane as an input for production
- › **LOGISTICS** - Leveraging existing gas and energy infrastructure

# Biorefining : integrating the industrial facilities with the demand for renewables

Adaptations to the refining system and new units capable of transforming biomass into high value-added products



## DIESEL R<sup>1</sup>

### CO-PROCESSING

Production and marketing of derivatives with renewable content already available

### MARKETING

Units operating with the product being marketed since September 2023, in line with market demand



## SUSTAINABLE AVIATION FUEL

### CO-PROCESSING (2025) ✓

- **REVAP** : up to 42 Mbpd with 1% renewable content
- **REDUC** : up to 11 Mbpd with 1% renewable content

### CO-PROCESSING (2026)

- **REGAP** : up to 11 Mbpd with 1% renewable content
- **REPLAN** : up to 37 Mbpd with 5% renewable content

### Dedicated Plants (SBC<sup>2</sup> - 100% renewable):

- **RPBC HEFA**: 16 Mbpd (2029)
- **BOAVENTURA HEFA**: 19 Mbpd (2030+)
- **REPLAN ATJ** : 10 Mbpd (2030+)

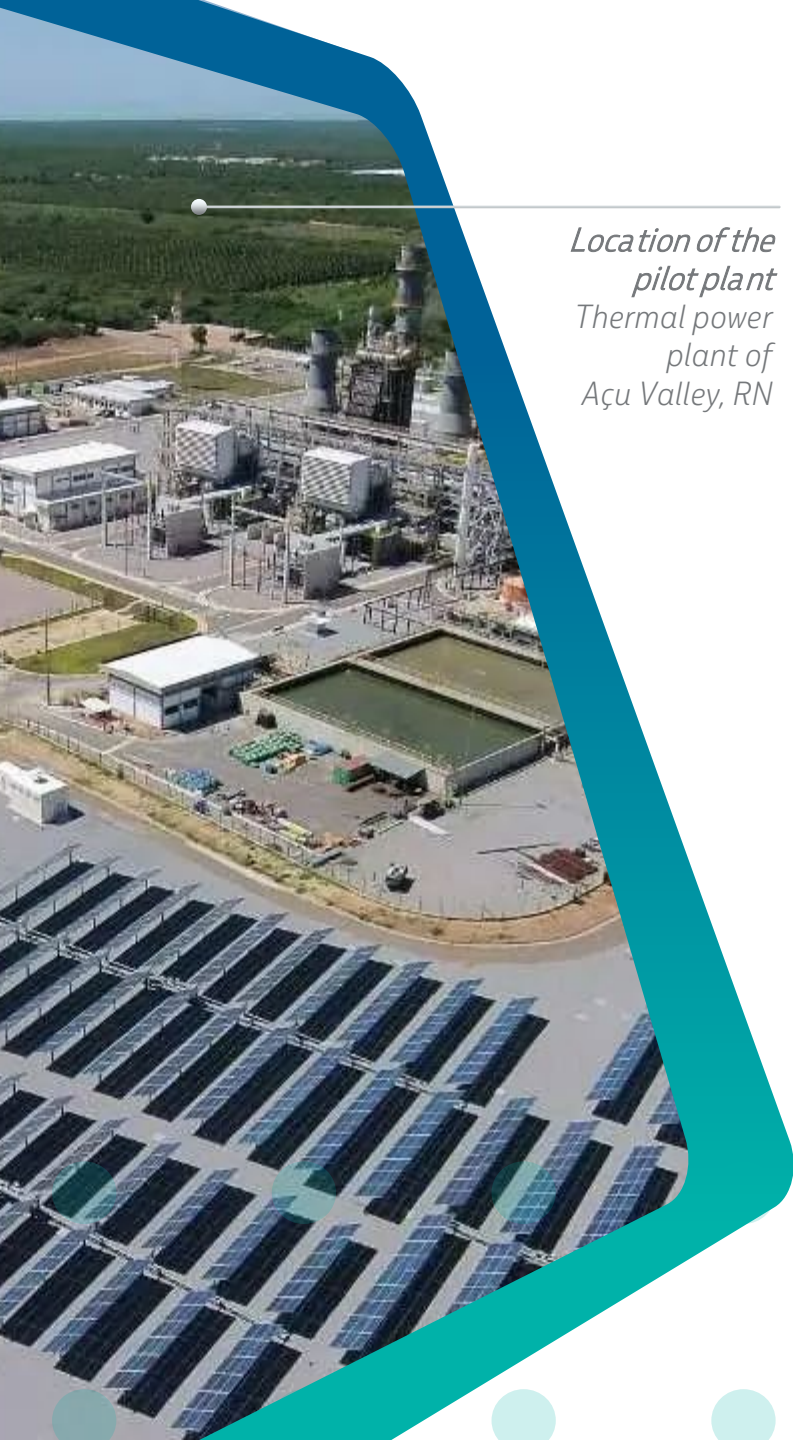
1. Diesel with renewable content

2 SBC - Synthetic Mixture Component for SAF Production (Sustainable Aviation Fuel)

3 ISCC – International Sustainability and Carbon Certification

REDUC (RJ) received ISCC<sup>3</sup>  
CORSA certification for SAF  
production





Location of the pilot plant  
Thermal power plant of Açú Valley, RN

# Low Carbon Hydrogen and its derivatives

A solution for sectors facing decarbonization challenges



## DEVELOPING KNOWLEDGE

*Smaller-scale collaborative projects and pilot projects*

### PILOT PLANT (RN) **AÇU VALLEY**

- 2 MW of electrolysis
- Start-up in 2026

### PILOT PLANT (SP) **REPLAN**

- 20 MW of electrolysis
- Start-up in 2029

### **PARTNERSHIP PROJECTS**

- Studies in ammonia and *e-methanol*



## EVOLUTION OF DEMANDING MARKETS

*Regulation, mandates, and auctions are the levers for demand development*

### **MARITIME SECTOR**

- Technology available on a commercial scale
- Global mandates in force (EU) and being implemented (IMO)

### **AUCTIONS**

- Long-term contracts for H<sub>2</sub> derivatives

### **MANDATES & REGULATIONS**

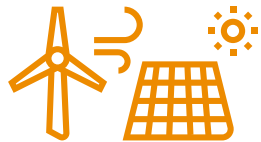
- Rules defined for decarbonized products (Brazil & Abroad)
- Incentives aimed at decarbonizing operations and products

# Traditional sectors and new electrification demands are driving the growth of renewable energy generation, especially after 2030

Future demand maintains renewable energy generation as a robust and profitable diversification alternative

## OUR CHOICE

We continue to seek partnerships in solar photovoltaic and onshore wind energy, aiming to capture commercial opportunities and self-generation



M&A and investments in project development in Brazil

**1.7 GW** by 2030

## SHORT, MEDIUM & LONG TERM SYNERGIES



Expansion of energy sales to free market consumers

Data Centers, Industries, Buildings, Transportation

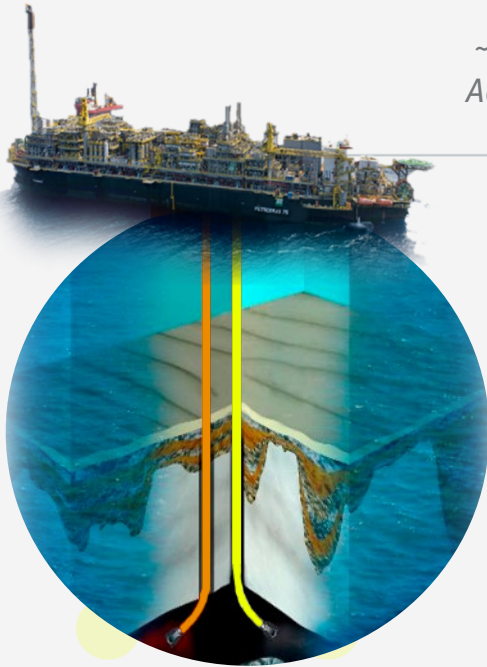
A key lever for decarbonizing our operations

Support for hydrogen production by electrolysis

# The CCS pilot project in Rio de Janeiro will allow us to expand our acquired knowledge and enable opportunities for commercial hubs



## CCUS-EOR PROJECT (PRE-SALT)

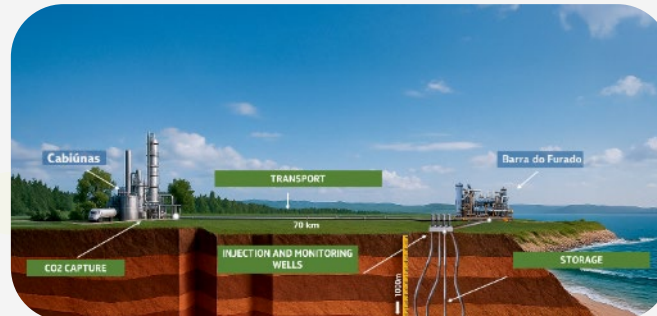


~80.0 mtCO<sub>2</sub>  
Accumulated  
since 2015



## SÃO TOMÉ PILOT RIO DE JANEIRO CCS PILOT

- First CCS pilot project in Brazil
- Injection of 100,000 tCO<sub>2</sub>/year into a saline reservoir
- Validation of technologies focused on cost reduction and process safety to enable projects on a commercial scale



## CCUS HUBS FIRST OPPORTUNITIES

We currently have four projects under study (São Paulo, Rio de Janeiro, Espírito Santo, and Bahia) for both decarbonizing our operations and decarbonizing third-party operations (hard-to-abate)

CCUS Hubs:  
A Path to  
Decarbonization



# Our R&D portfolio is ambitious, with investments in new energy businesses

We remain focused on optimizing our assets and transforming the future of Oil & Gas

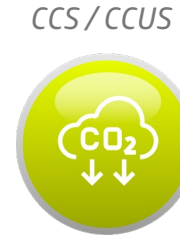


**OPTIMIZING CURRENT ASSETS**

**O&G OF THE FUTURE**

**NEW BUSINESSES**

**We strengthen disruptive initiatives as a lever for the long-term horizon**



WIND AND SOLAR POWER GENERATION



LOW CARBON HYDROGEN



BATTERIES AND CRITICAL MINERALS



LONG-DURATION ENERGY STORAGE



SMRs

\* Fuels synthetic produced from low - energy hydrogen carbon emissions

# Diverse technological solutions for low carbon products

Target to include low-carbon products into the fuel and chemical value chains, sustaining markets in hard-to-electrify segments and unlocking new business opportunities for Petrobras



## ENERGY DENSIFICATION OF BIOMASS

Technologies for converting lignocellulosic waste materials into biofuels and renewable products



## PRE-TREATMENT LOAD TECHNOLOGIES

Prototypes of technologies pretreatment of feedstocks integrated with biorefining processes



## BIOFUEL TECHNOLOGIES

Technologies for biofuel production integrated with refining, including co-processing, SAF, LCAF, HVO, and bunker fuel with renewable content



## GREEN CHEMISTRY IN REFINING AND PETROCHEMICALS

Technologies for converting residual renewable loads into biofuels and chemicals



## PERFORMANCE AND QUALITY OF RENEWABLE PRODUCTS

Developing products with a smaller carbon footprint, supporting market deployment, regulatory positioning, and certification

Sustainable Raw Materials

Preprocessing

Conversion / Processing

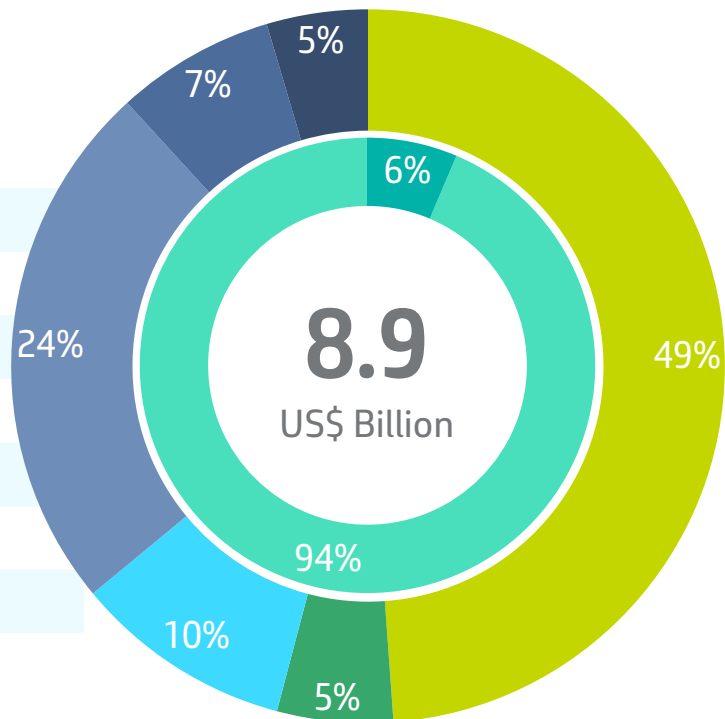
Products

# Robust projects are progressing into the portfolio under implementation

Sustainable fuels are gaining more relevance in the short term

**BP 2025-29**

Total portfolio



**-US\$ 2.6 Bn**

Onshore Wind and Solar Photovoltaic Energy

**-US\$ 0.5 Bn**

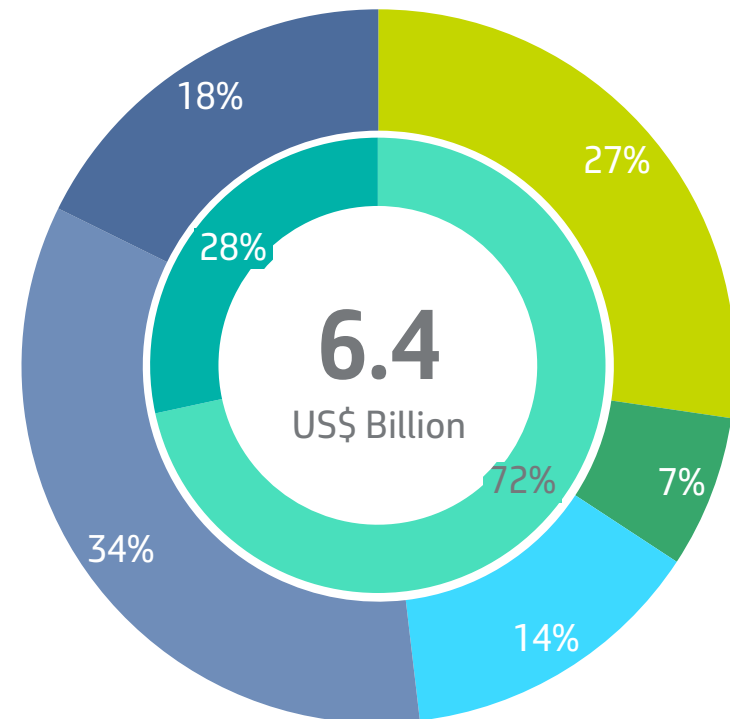
Partnerships in Biorefining

**+US\$ 0.5 Bn**

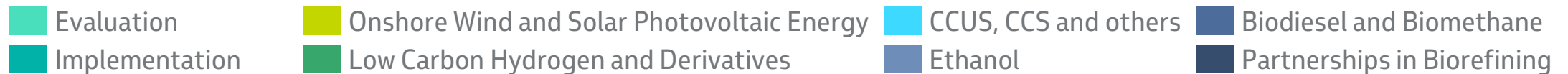
Biodiesel & Biomethane

**BP 2026-30**

Total portfolio



Note: Projections subject to variation of +/- 5%.





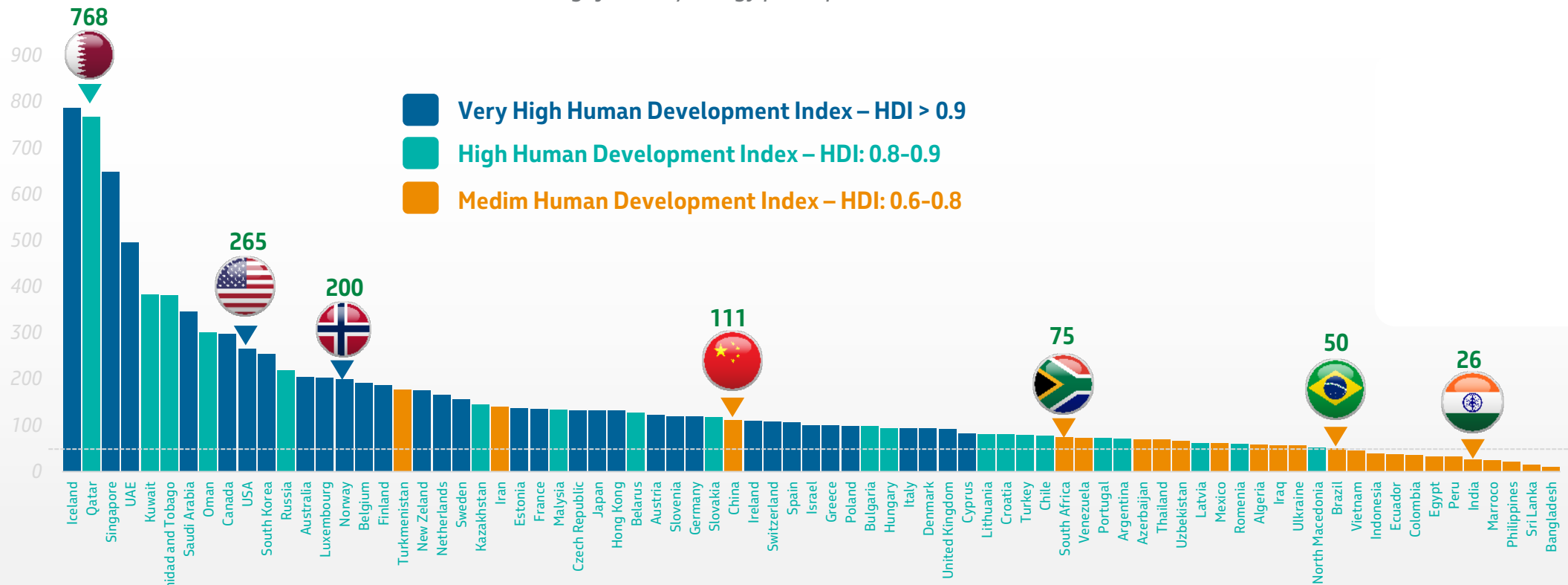
# ***DECARBONIZATION OF OPERATIONS***

*Marcela Azevedo  
(Renewable Energy)*

# Energy supply is an important driver of economic and social development for Brazil

## Per capita energy consumption and Human Development Index (HDI)

Gigajoules of energy per capita – 2024 data

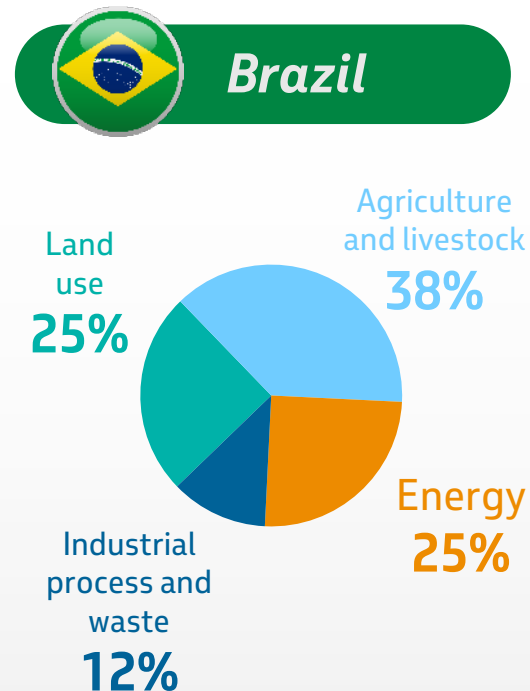
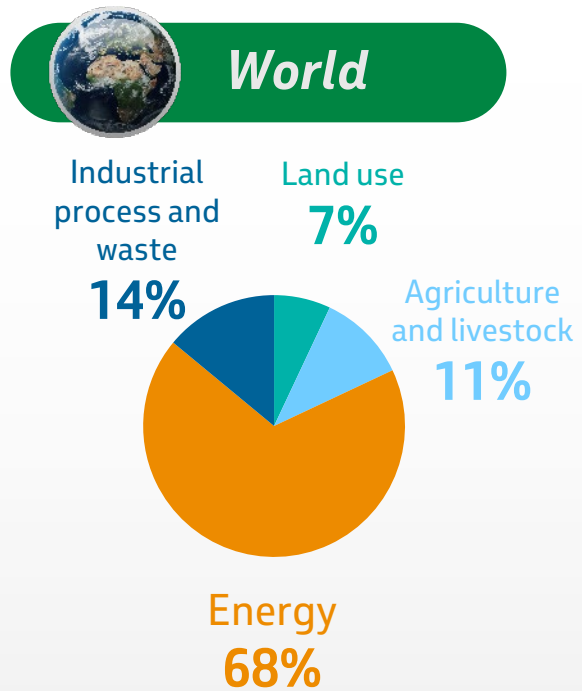


World average:  
**72**

Source: Statistical Review of World Energy 2025

# The energy sector in Brazil contributes less to greenhouse gas emissions compared to the world average

Greenhouse Gas Emissions by source: World x Brazil

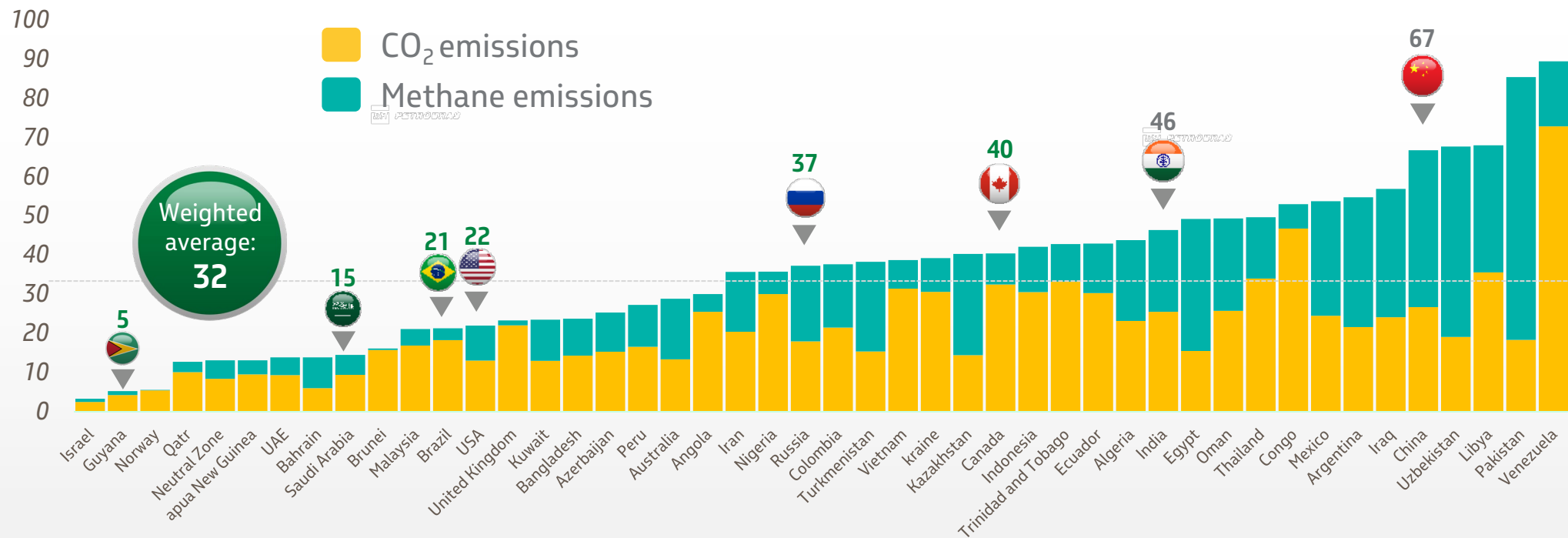


Brazil accounts for 2.2% of the world's primary energy supply, but only 0.7% of global emissions from this sector

# And oil and gas production in Brazil is among the lowest emitters of greenhouse gases in the world

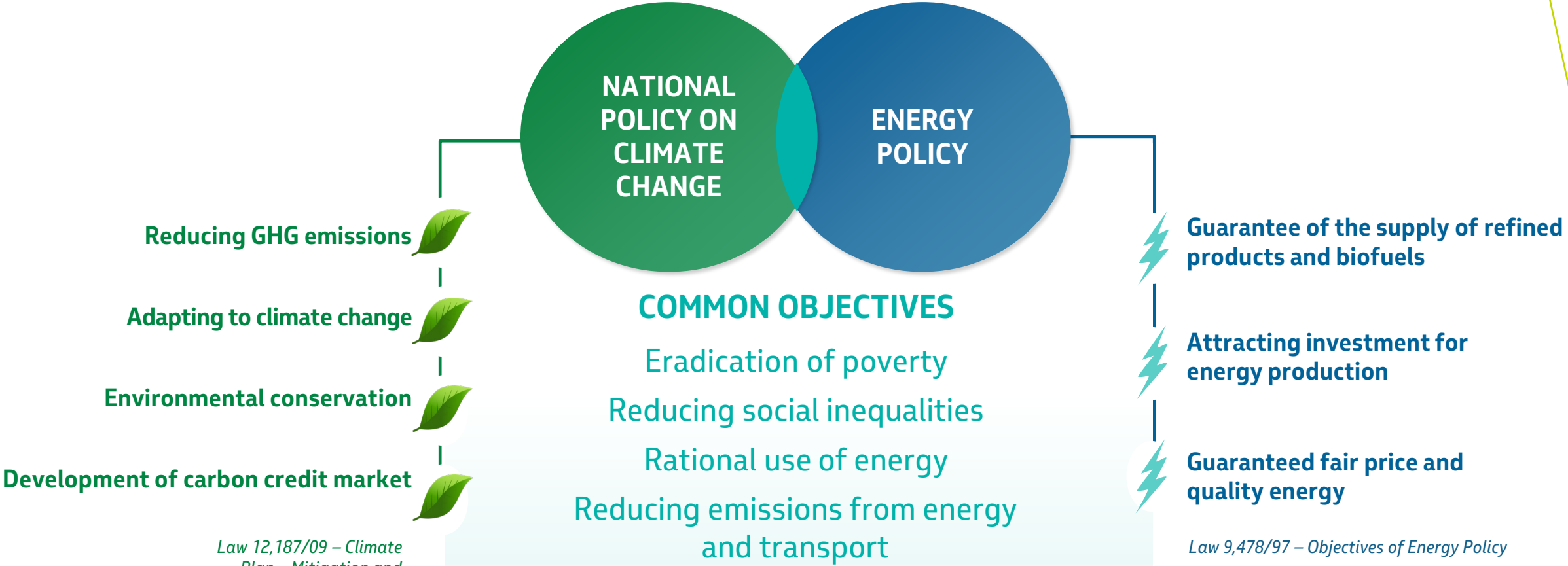
## Greenhouse Gas Emissions per Barrel Produced – Major Producers

Kilograms of CO<sub>2</sub> equivalent per barrel produced – 2024 data



Source: Rystad Energy – The listed producers account for 97.8% of global production

# The Climate Plan and Energy Policy must ensure the well-being of Brazilian society



*Law 12,187/09 – Climate Plan – Mitigation and Adaptation*

*Law 9,478/97 – Objectives of Energy Policy*

# Climate positioning based on 3 pillars

## TRANSPARENCY AND CARBON MANAGEMENT

### Governance in information, processes and decisions

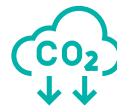
- Governance up to BoD, carbon in the risk matrix and reward system with Greenhouse Gas Emission Intensity Index Indicator
- Disclosure aligned with TCFD\*, including financial risk of the portfolio (stress testing against public scenarios)
- Emission inventory verified by a third party since 2003



## COMPETITIVENESS OF O&G

### Robustness and Value of the Fossil Portfolio amid the Transition

- Asset cost profile aligned with the transition
- NetZero 2050 ambition and decarbonization commitments
- Superior performance: lower intensity than competitors



## LOW CARBON BUSINESS, SCOPE 3 AND JUST TRANSITION

### Portfolio Exposure to Carbon

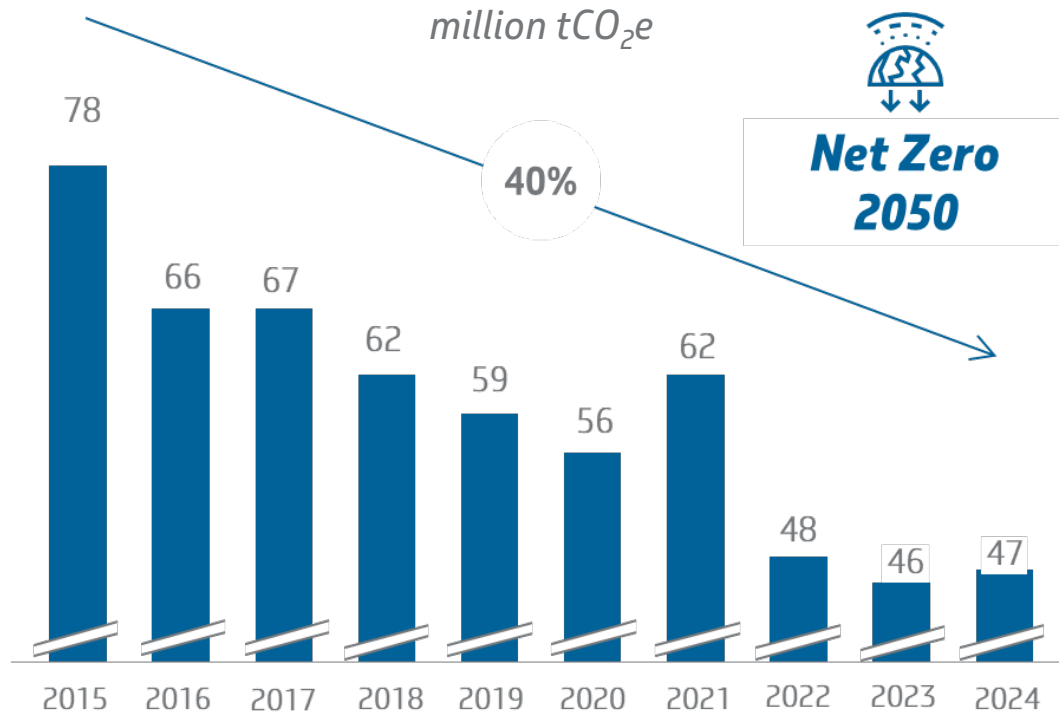
- Corporate scenarios expressing transition trends
- Profitable portfolio in the context of a low carbon economy and sustainable development
- Drivers for capital allocation focused on reducing exposure



\* Task Force on Climate Related Financial Disclosures

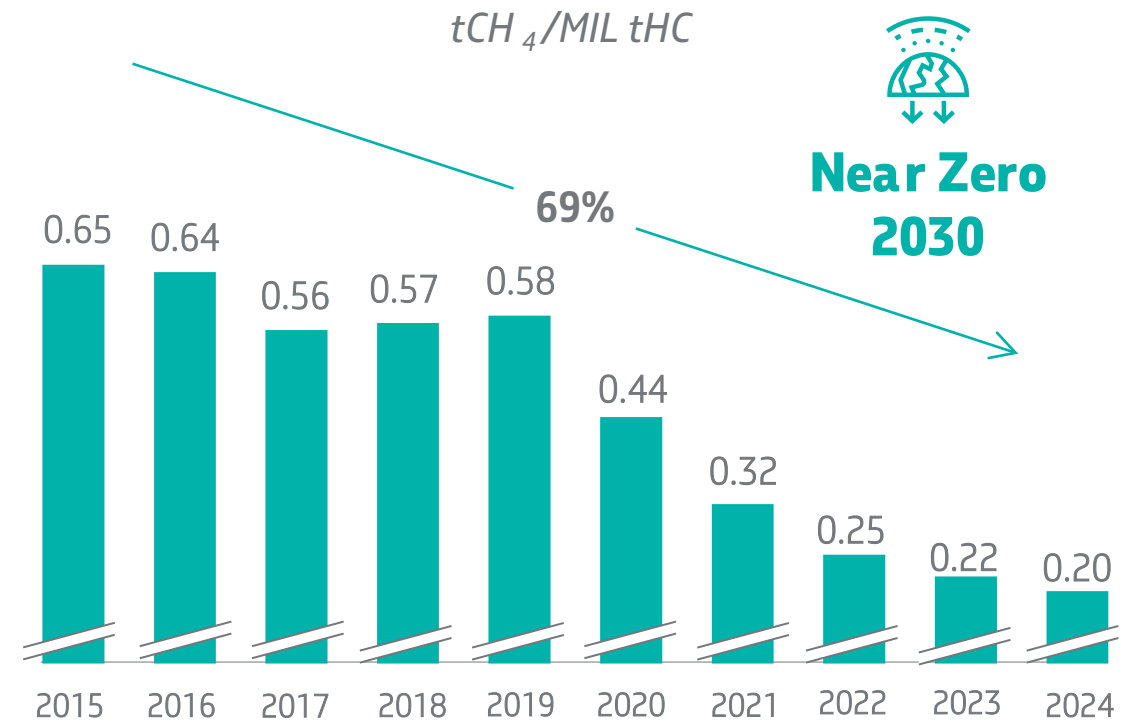
# Significant operational results

## ABSOLUTE GHG EMISSIONS



**Reduction equivalent to three times the Brazilian Aviation emissions**






## METHANE EMISSIONS INTENSITY



**Less than 0.5% of Brazil's methane emissions**

# Commitments Scopes 1 & 2

Achievement of the cumulative CO<sub>2</sub> reinjection commitment by 2025 and maintenance of the remaining commitments

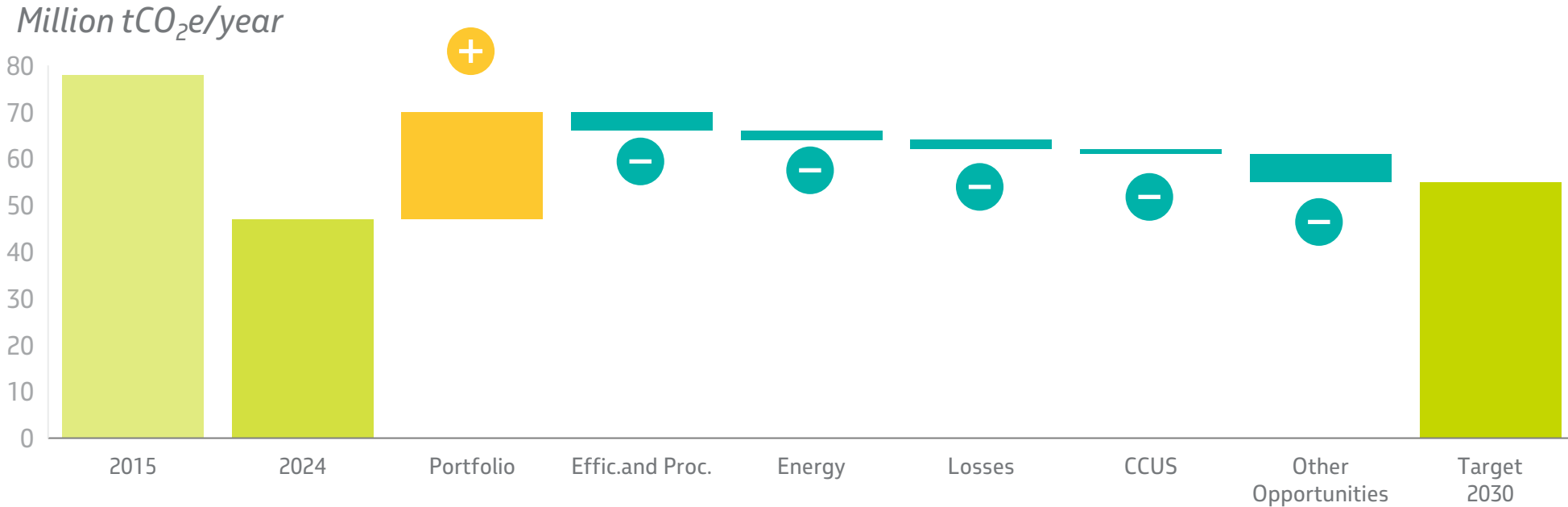
		2024	TARGET 2030	
	Absolute Operational Emissions <sup>1</sup>	million tCO <sub>2</sub> e	47	-30% <sup>2</sup>
	Routine flaring	million m <sup>3</sup>	120	ZERO
	GHG Intensity in E&P Segment	kgCO <sub>2</sub> e / boe	14.8	15
	GHG Intensity in Refining Segment	kgCO <sub>2</sub> e /CWT	36.2	30
	Upstream methane emission intensity	tCH <sub>4</sub> /mil tHC	0.20	0.20

<sup>1</sup> This commitment only considers the business segments in which we are already involved and the Company's willingness to use carbon credits

<sup>2</sup> Reference 2015

# Opportunities to achieve the 2030 commitment

Continuous identification and development of opportunities through the Carbon Neutral Program



**Efficiency** : Optimization and energy integration, replacement of machinery and equipment

**Energy** : Replacement of energy sources, assets electrification, and integration with renewables

**Losses**: Reduction of gas flaring, fugitive emissions, and venting

**Process**: Improvements in industrial processes

**CCUS**: Geological CO<sub>2</sub> sequestration

**Additional opportunities**: Projects maturing (intrinsic) and compensation (offsets)

# Ambitions for scopes 1 and 2 and product portfolio projections

Potential for a reduction of approximately 3% in the emission intensity of the portfolio by 2030<sup>3</sup>, measured in GHG emissions/energy equivalent contained in the energy products, from the Total Portfolio (Under Implementation and Under Evaluation)

## Scopes 1 and 2 - Operational Emissions

### AMBITIONS

- Net Zero by 2050 <sup>1</sup>
- Maintain emissions below 55 MM tCO<sub>2</sub> by 2030 <sup>1,2</sup>
- Near Zero Methane 2030

## Scope 3 – Indirect Emissions

### Expand the production capacity of renewable fuels

Expansion of renewable fuel production capacity by approximately 8 to 11x<sup>3</sup> (74 to 95 thousand boed) by 2030, based on the Portfolio Under Implementation and the Total Portfolio (Under Implementation and Under Evaluation), respectively.

### Renewable electricity generation capacity

Potential to reach approximately 20% (around 1.7 GW) of installed electricity generation capacity from renewable sources by 2030, based on the Total Portfolio (Under Implementation and Under Evaluation).

1. Ambitions take into account the Company's willingness to use carbon credits |  
2. Updated ambition compared to the 2025–29 Business Plan. Considers only the business segments in which we are already involved. | Base year : 2022

# Investments of US\$13 billion in energy transition

Representing 12% of Total CAPEX and 8% of CAPEX Under Implementation\*

## DECARBONIZATION Operational Emissions



US\$ 4.3 billion

### INVESTMENTS IN EMISSION MITIGATION

(Scopes 1 & 2)

E&P, RTM and G&P

US\$ 3.3 billion

Decarbonization Fund

US\$ 1.0 billion

## Profitable Diversification Providing sustainable products



US\$ 3.1 billion

### LOW CARBON ENERGIES

Onshore Wind and Solar  
Photovoltaic Energy and  
others

US\$ 1.8 billion

Hydrogen

US\$ 0.4 billion

CCUS, Corporate Venture  
Capital and others

US\$ 0.9 billion



US\$ 4.8 billion

### BIOPRODUCTS

Ethanol

US\$ 2.2 billion

Biorefining

US\$ 1.5 billion

Biodiesel  
and Biomethane

US\$ 1.1 billion

## R&D

Low-carbon



US\$ 1.2 billion

### INCREASE OVER THE FIVE-YEAR PERIOD

20% of the total R&D  
budget in 2026,  
reaching 40% by the  
end of the period

\* BP 2025-29 - US\$ 16.3 Billion  
15% of Total CAPEX and 7% of CAPEX  
Under Implementation

# ***ENGINEERING, TECHNOLOGY AND INNOVATION***

*André Guerra  
(Integrated Resources &  
Projects Management)*



# Engineering, Technology and Innovation

## MAXIMIZE VALUE GENERATION *throughout the project life cycle*

- Focus on mapping resource constraints to enable portfolio prioritization
- Focus on predictability, reliability, integrity, delivery efficiency, and alignment with market benchmarks
- Value maximization in decommissioning



## Acting for the **READINESS OF RESOURCES** *on time, at the required cost and quality*

- Optimal resource readiness for planned deliveries
- Supplier market engagement to enhance procurement competitiveness
- Foster optimization, standardization, and repeatability in project execution



## **INNOVATING TO OPTIMIZE ASSETS** *and enable future projects and new businesses*

- Implementation of R&D and technology portfolio integrated with business needs
- Develop new businesses and expand into new markets
- Digitization, automatization, and the adoption of AI



# Project Management in a Challenging Environment: Focus on Value Creation through Capital Discipline

## GREATER EFFICIENCY in planning and execution

*CAPEX planning aligned with delivery schedules*



*Integrated project management focused on meeting deadlines and pursuing early-delivery opportunities*



*Project optimization while maintaining capacity, efficiency, reliability, and process safety levels*



## CRITICAL REVIEW of the Portfolio

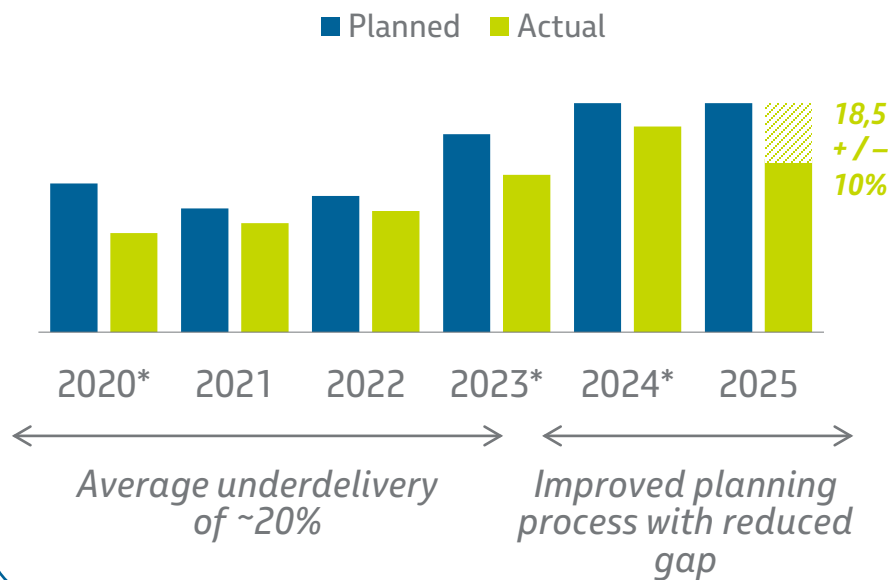
*Portfolio management focused on prioritizing high-return projects and value creation*



# Greater efficiency in the planning process delivers more value to the project portfolio

We enhanced our planning process, with focus on predictability and on-time delivery

## PETROBRAS TOTAL CAPEX US\$ billion



\* Initial Business Plan estimate. Subsequently revised

\*\* Forecast through Dec/25

## START-UP

Projects	BP 24-28	Execution	
Mero 3 Marechal Duque de Caxias	2024	2024	✓
IPB Maria Quitéria	2025	2024	Ahead-of-schedule
Búzios 7 Almirante Tamandaré	2025	2025	✓
Mero 4 Alexandre de Gusmão	2025	2025	✓
Búzios 6 P-78	2025	2025**	✓
Boaventura NGPU	2024	2024	✓
RNEST Train 1	2025	2025	✓
REPLAN HDT	2025	2025	✓

# Integrated view of project disciplines underpins strong operational performance

Initiatives enabled on-time deliveries and schedule acceleration

## INTEGRATED TEAMS

project, engineering, and risk management

**REPLAN HDT:** start-up three months ahead of the date planned in the feasibility study

## COMISSIONING

with reduced offshore scope

**Búzios 6 (P-78):** crewed sailaway and transit enabled early commissioning activities across more than 170 subsystems

## GREATER READINESS

of wells and subsea systems

**Mero 4 (FPSO Alexandre de Gusmão):** mooring completed in only 10 days  
**Búzios 7 (FPSO Alm. Tamandaré):** wells required for start-up and ramp-up drilled and completed by first oil

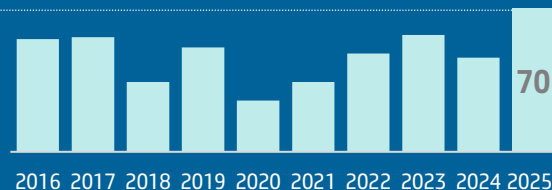
## Improved diligence with THIRD PARTIES

**IPB (FPSO Maria Quitéria):** rigorous expediting enabled early delivery of flexible lines  
**E&P projects:** securing regulatory permits and authorizations

## TIE-IN INTEGRATION HUB

synchronizes critical support resources to maximize the number of wells tied-in

WELLS TIED-IN PER YEAR



\* As of Nov, 25<sup>th</sup>

Higher number of tie-ins in the last **10 years**

# Integrated approach enables a more efficient ramp-up and increases the effective capacity of FPSOs in operation



FPSO Almirante Tamandaré  
Production plateau reached  
in under 6 months

## Accelerated ramp-up — Búzios 7

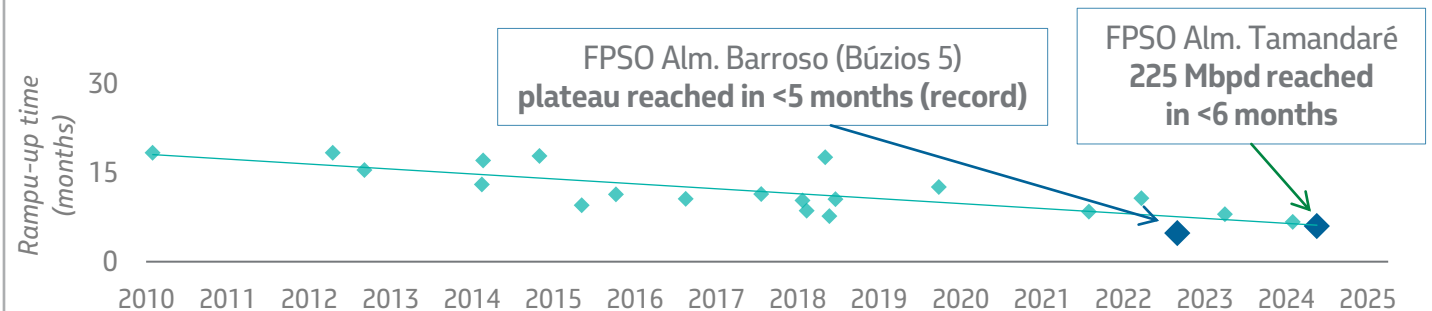
- Production plateau reached 3 months ahead of schedule
- 180 Mbpd achieved in 4.7 months — faster than FPSO Almirante Barroso's time to reach 150 Mbpd
- Exceeded 250 Mbpd on Oct 9 — above nameplate capacity (225 Mbpd)

## Other units that have produced above design nameplate capacity in 2025



- Atapu: P-70
- Itapu: P-71
- Búzios: FPSO Almirante Barroso.
- Mero: FPSOs Guanabara, Sepetiba and Duque de Caxias

## REDUCTION IN RAMP-UP TIME OF PRE-SALT UNITS\*



\* Platforms with production capacity exceeding 150 Mbpd

# Optimizations in platform projects

Simpler, lower-cost, higher-value



## SEAP

7,500 t  
weight  
reduction



Production unit  
CAPEX reduced  
by ~15%



## REVIT Albacora

2,600 t  
weight  
reduction



Production unit  
CAPEX reduced  
by ~7%



## REVIT Basic Project

Optimized engineering project  
for revitalization — under  
development

### COSTS

Application of value engineering and capability building in engineering metrics and cost control



### ENGINEERING GUIDELINES AND PHILOSOPHIES

Review of guidelines applied to equipment and systems

### ESTIMATES AND CONTROLS

Improvements in project cost estimating and management



Drivers to reduce weight and cost



### PROJECT SCHEDULES

Reviewing deliverables in conceptual and basic projects and their critical paths

### RELIABILITY AND SUPPLIERS

Supplier development, reliability assessment, and redundancy strategy



### PROJECT COMMISSIONING

Shorter schedule, lower cost, streamlined scope

# Project standardization and industrialized subsea and well solutions for schedule and cost savings



**Project standardization**  
*asset/component interchangeability*



**Product specifications with intensified early supplier involvement (ESI)**



**Qualifications conducted outside the project scope**



**Defined schedule for product platform upgrades**

## Expected gains

- *Cost reduction*
- *Lead time reduction*
- *Reduced project risks*
- *Greter predictability across the entire supply chain*
- *Increased Local Content*

# Portfolio analysis focused on prioritizing high-return projects and value creation



## KEY DRIVERS

*Growth of the production curve*

### *Project prioritization*

- Búzios
- Atapu 2 and Sépia 2
- SEAP II
- Complementary projects
- RNEST
- Boaventura refining



## PORTFOLIO MANAGEMENT

*Projects reverting to an earlier phase to pursue optimizations*

- REVIT Marlim Sul and Marlim Leste
- REVIT Barracuda and Caratinga

### *Schedule adjustment*

- SEAP I
- REVIT Albacora

*Optimization of investment in sanctioned projects*

- Contract renegotiation
- Schedule optimization — better synchronization in the sequencing of construction and well tie-in activities

# Optimized management of critical resources to maximize portfolio value

- Technical specifications enabling flexible resource allocation, balancing CAPEX, OPEX, and abandonment (P&A) activities
- Resource demand<sup>1</sup> planned considering project risk and uncertainty
- Contracting strategy aligned with market monitoring and long-term demand

**2026-30**

~260 wells to be drilled and completed  
 ~290 wells to be tied-in  
 ~230 plug and abandonment (P&A) interventions on subsea wet-tree wells

## FLOATING DRILLING RIGS

Well drilling and completion	~70%
Workover	~10%
Plug and abandonment (P&A)	~20%

## SUBSEA SUPPORT VESSELS

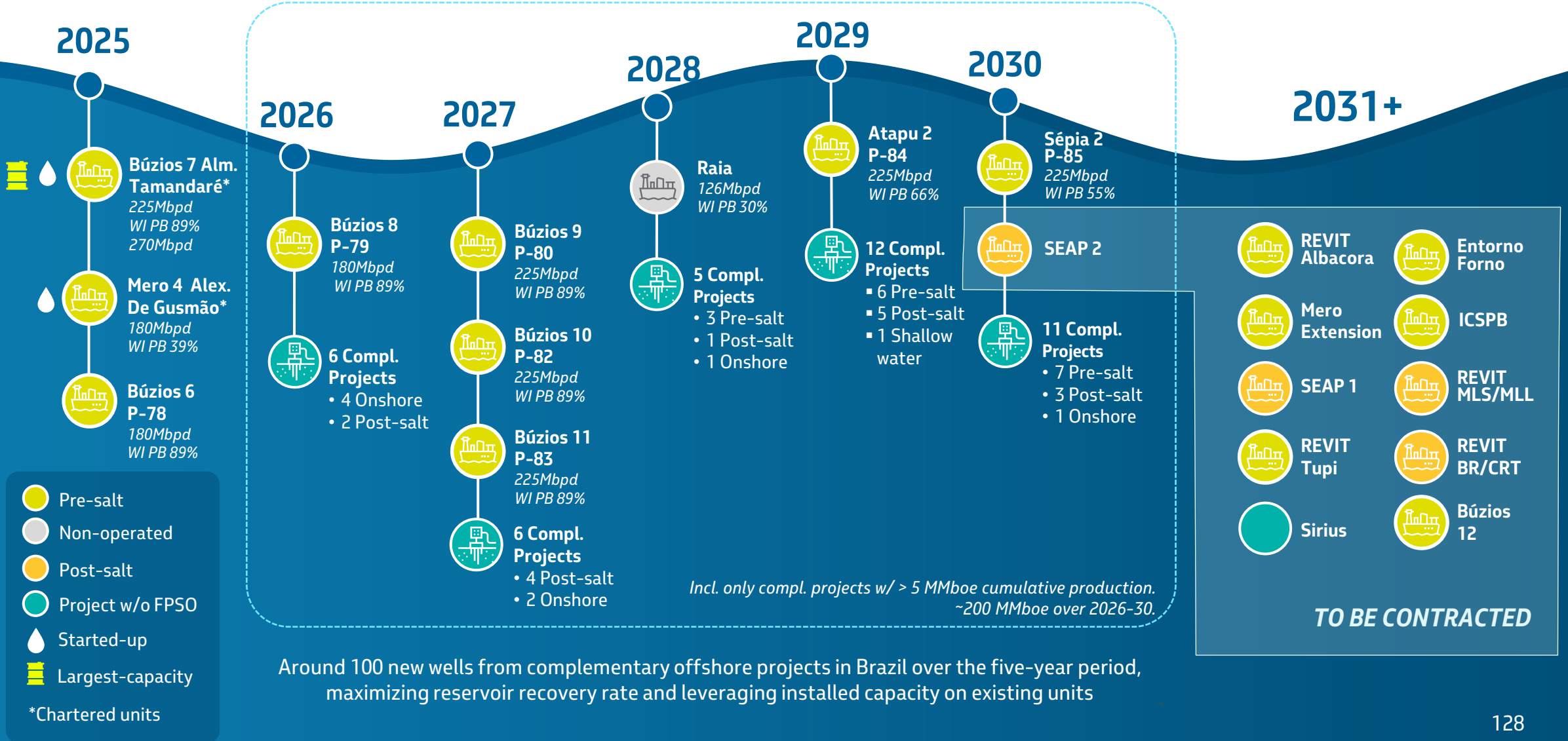
Tie-ins and equipment install.	Mooring operations and rig support	~60%
Subsea inspection and maintenance		~25%
Decommissioning of lines, equipment, and production units		~15%

Estimated average five-year expenditure distribution

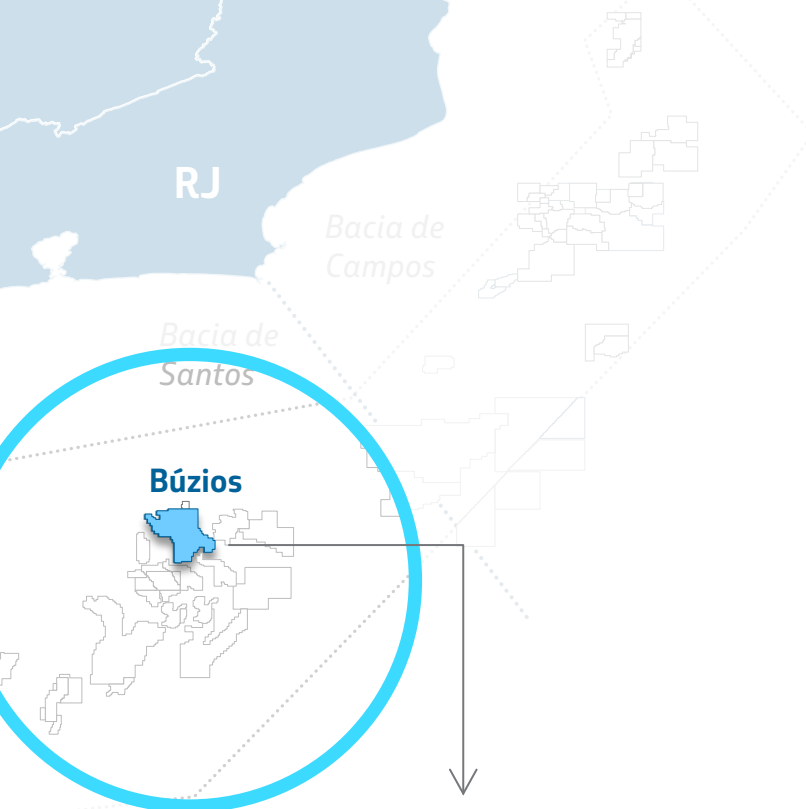


<sup>1</sup> We also address demands through integrated contracts (EPCI/EPRD) as well as service contracts employing subsea vessels outside the fleet pool

# New production systems and complementary projects








- Pre-salt
  - Non-operated
  - Post-salt
  - Project w/o FPSO
  - Started-up
  - Largest-capacity
- \*Chartered units



# Búzios consolidates as the largest producing field, concentrating most of near-term investment

## In execution

2025	2026	2027		
				
<b>P-78</b> At site preparing for first oil	<b>P-79</b> Sailing to Brazil	<b>P-80</b> Hull at shipyard for integration works	<b>P-82</b>	<b>P-83</b>

## Búzios Field

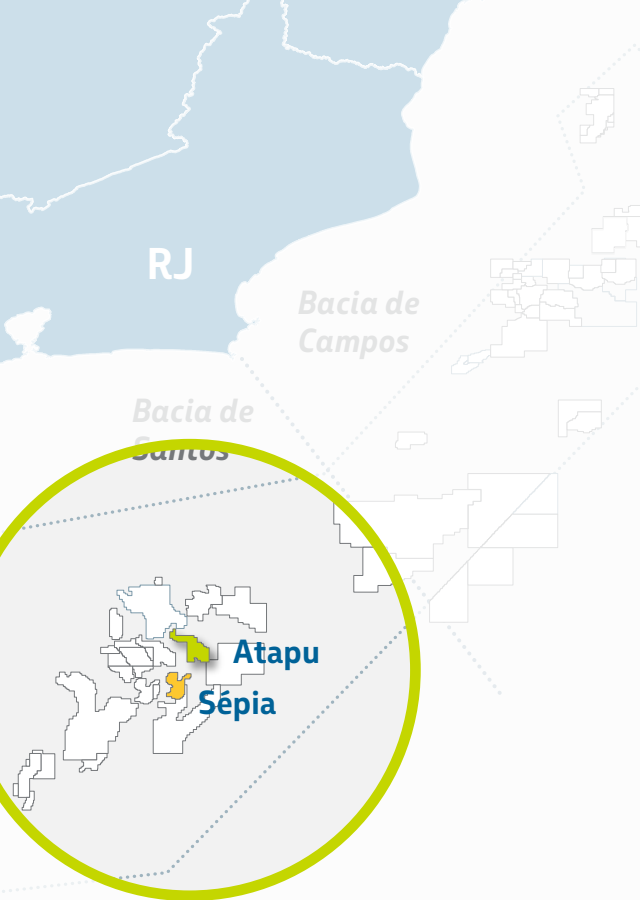
- 6 FPSOs operating
- 975 Mbd of installed capacity
- 5 FPSOs in execution
- >2MM bpd of installed capacity in 2027
- 1 FPSO under procurement

## Under procurement

### BÚZIOS 12

- **Capacity optimizations:**  
~20% reduction in topsides weight compared to original premises, prior to contract award
- **Greater gas monetization and expanded supply to the Brazilian market:**  
The unit will enable gas offtake from Búzios 10. Gas will be routed to the Boaventura Energy Complex via the Route 3 pipeline

# Strong execution of the Atapu 2 and Sépia 2 FPSOs is underpinned by lessons learned from our recent owned platforms



*In execution*

2029



**Atapu 2 • P-84**

*Hull and topsides modules under construction. EPCI contracted*

2030



**Sépia 2 • P-85**

*Hull construction in progress. Module construction scheduled to start in Dec/2025*

*Lessons learned from high-capacity Búzios projects (P-80, P-82, P-83) across all areas:  
Engineering, Procurement, Fabrication and Commissioning*

Engineering design replication: standardized main deck and power-generation module with equal-capacity turbines

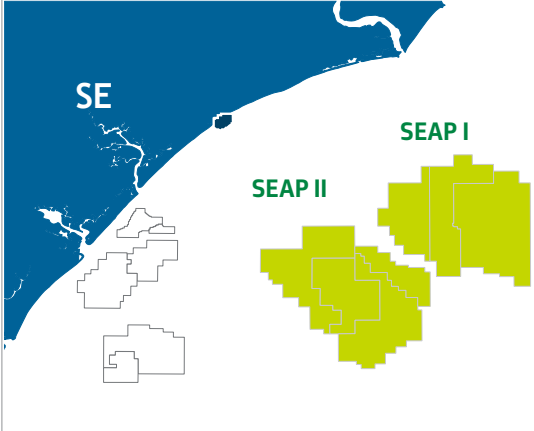
Improvements in yard/site preparation in Brazil and overseas, to ensure readiness and continuity

Construction phase acceleration strategies: *Soft Start of the hull and topsides modules*

Use of external yards for primary and secondary structure fabrication, complementing module sites in Brazil and overseas

# New Projects, New Challenges


## Sergipe Águas Profundas (SEAP)




SE

SEAP I

SEAP II

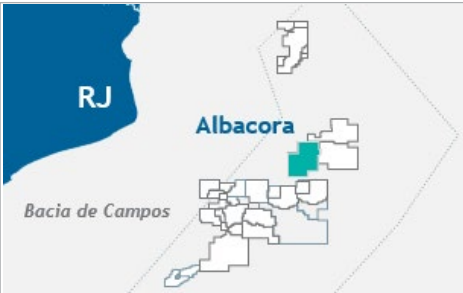
 **2 FPSOs**  
120 Mbpd oil production capacity and up to 12 MMm<sup>3</sup>/d gas

**SEAP II**  
Procurement underway  
Proposals under review  
Start-up scheduled for 2030<sup>1</sup>

 **Gas pipeline**  
18 MMm<sup>3</sup>/d capacity

**SEAP I**  
Under contracting as an option in the SEAP 2 process  
Start-up targeted for 2031+<sup>2</sup>


## REVIT Albacora



RJ

Albacora

Bacia de Campos

 **1 FPSO**  
120 Mbpd oil production capacity and up to 4.3 MMm<sup>3</sup>/d gas.  
Procurement underway; proposals expected by May/2026  
Start-up targeted for 2031+<sup>1</sup>

<sup>1</sup> Considers the company's BOT modality — Build, Operate and Transfer.

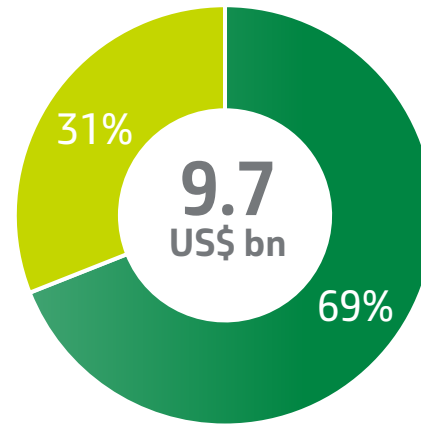
<sup>2</sup> Considers the company's PSA modality (Purchase and Sales Agreement). If awarded under BOT as an option in the SEAP 2 tender, start-up is planned for 2031+.

# Decommissioning portfolio

## 2026-30 period

18 platforms to be removed

- 7 fixed
- 7 floating
- 4 semi-submersible



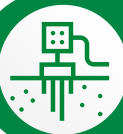
- Well Plug & Abandonment
- Lines/Equipment/Units — Decom

+ US\$ 0.5 bn in  
Financial Commitments

## 2031 and beyond

50 platforms to be removed

- 43 fixed
- 5 floating
- 2 semi-submersible



~ 500 WELLS  
with abandonment interventions\*

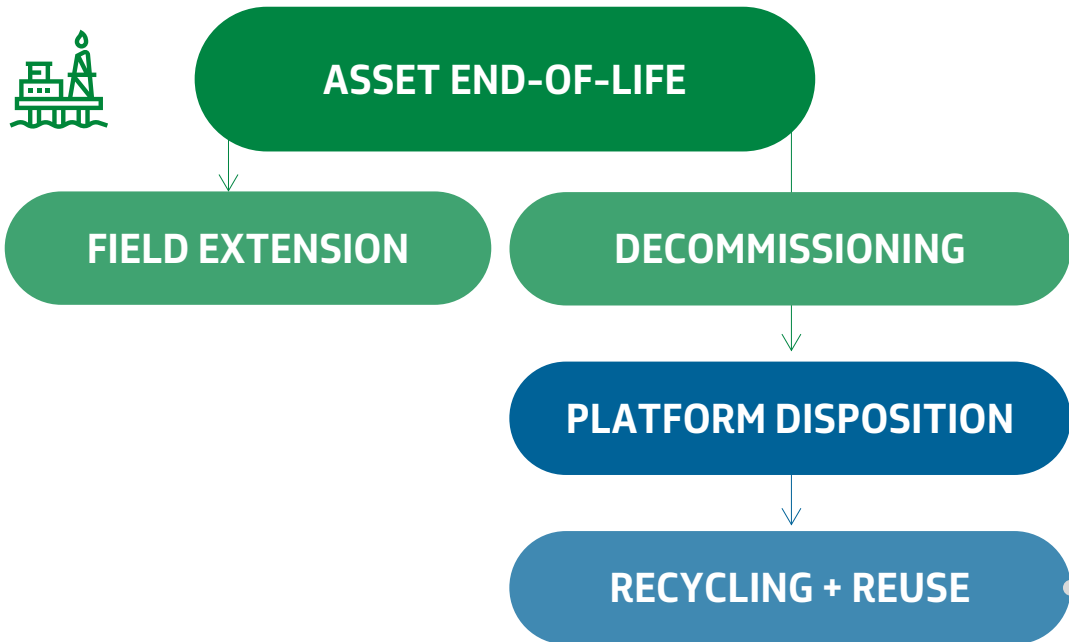
54% dry-tree completions  
46% wet-tree completions



~ 1,800 Km  
of flexible lines to be recovered

\* Offshore wells.

# End-of-life disposition strategy aligned with value creation and sustainable innovation



- Aligned with the waste hierarchy and circularity
- Sustainable dismantling remains an alternative for units ineligible for reuse/repurposing

Ongoing studies to evaluate partial reuse

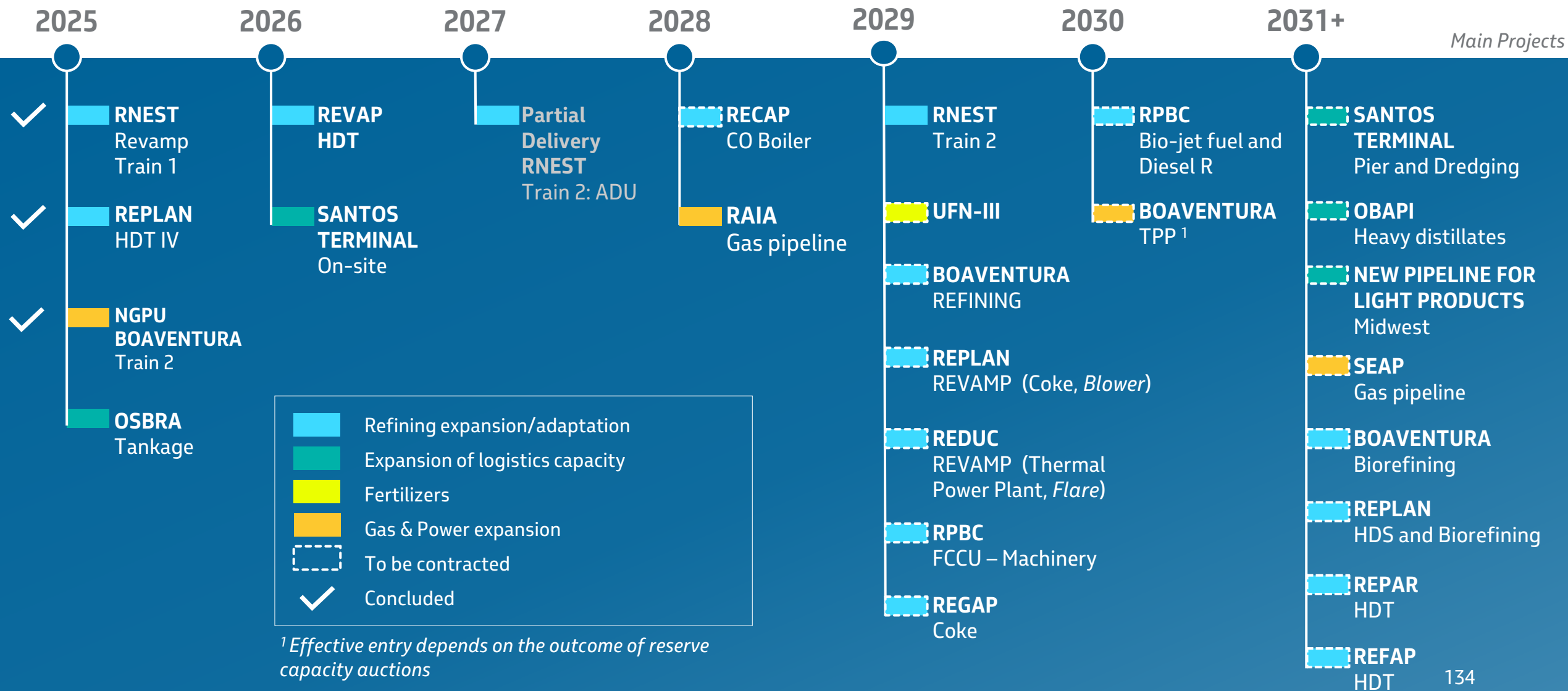


Potential cost and schedule reductions for new projects

- Opportunities for application in new projects
- Readiness for hull conversion
- Topside standard design optimizations



# Refining, Logistics, and Gas & Power projects targeting capacity expansion and higher product quality



# Main refining projects under execution

**2029 (Start-up of ADU in 2027)**

**+ 130 thousand barrels of capacity**

**70% conversion to Diesel S-10**

- All packages contracted
- In mobilization phase
- Expected to generate 30,000 direct and indirect jobs



**RNEST – Train 2**

## Boaventura Refining



**2029**

**+ 76 thousand bpd Diesel S-10**

**+ 20 thousand bpd Jet A-1**

**+ 12 thousand bpd low-sulfur lubricant base oils**

- 9 packages contracted — mobilization underway; 4 under contracting
- Expected to generate 15,000 direct and indirect jobs

# Projects to expand capacity and upgrade storage and outflow infrastructure



## Alemoa Terminal Santos-SP

*Outflow products from the four refineries from São Paulo*

### SCOPE

*On-site (ongoing) + Pier + Dredging (start-up in 2031+)*

*Ensure operational continuity by relocating the pipeline to a new lane*

### SCOPE

*Replacement and relocation of OBATI<sup>1</sup> heavy distillates pipeline*

*Start-up in 2031+*

## OBAPI Barueri-Caminho de Pilões oil pipeline



<sup>1</sup> Barueri-Utinga oil pipeline.

# Contracting to diversify industrial and energy portfolio and expand the refining system

## UFN-III

2029

+ 3,600 t/d of urea  
+ 225 t/d of ammonia

Contracting in progress; proposal submission window through Dec/2025



## TPP II

### Boaventura Complex

2030

400 MW of capacity

New power plant in pre-contracting, preparing for auction readiness



### RPBC – First dedicated plant for bio-jet fuel and Renewable Diesel

2030

4 EPC packages under contracting and 1 to start

15 thousand bpd of bio-jet fuel and Diesel R  
Dedicated plant – production via HEFA technology



## Refining system expansion and modernization 2029

### REPLAN

REVAMP FCCU - Blower  
Centrifugal blower package replacement

REVAMP Coke  
Capacity expansion from 6,800 m<sup>3</sup>/d to 7,500 m<sup>3</sup>/d

### RPBC

REVAMP FCCU - Machinery

Replacement of large machines

### REDUC

REVAMP Flare  
New drainage system for the collectors

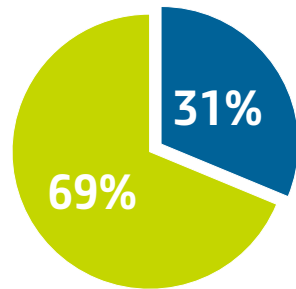
### REVAMP Thermal Power Plant

Installation of a new cogeneration unit, a new steam turbogenerator, a new Condensate Treatment Unit, and a new substation

# Technology to create value and leverage our business

## TOTAL R&D&I CAPEX BP 2026-30

~US\$ 1.25 Billion in Low Carbon



■ Low Carbon ■ O&G, Safety and Sustainability



US\$ 4 billion in R&D&I in BP 2026-30

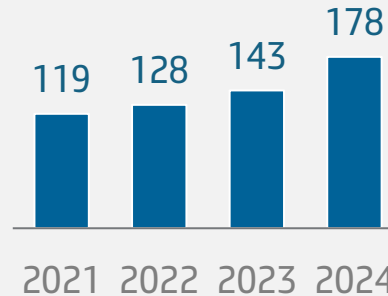


20% of the total R&D&I budget in 2026 allocated to low-carbon, reaching 40% in 2029-2030

## EXPRESSIVE INNOVATION OUTCOMES

#1 national company in patent filings for 4 consecutive years

**+1,400**



Petrobras  
**conexões**  
para *inovação*

**+ R\$4.7 Billion**  
In new partnerships\*

**+ 950**  
Ongoing partnerships

**+ 200**  
Innovation Challenges published per year

\* since 2019

# Active collaboration with suppliers to overcome external challenges and stimulate local content



## RELATIONSHIP

- Active listening
- Early engagement for technical specifications
- Strengthening the local supplier base
- Integrated view of supply chain and predictability



## INNOVATION

- New technologies for production development and asset integrity
- Low-carbon solutions

## Local content: new projects and new players

- Partnerships for project execution
- Negotiation forum with Brazilian shipyards

Estimated ~250,000 t of modules  
manufactured in Brazilian shipyards through 2030\*

**Local  
Content  
Gains**



- Logistics cost optimization
- Greater supply security
- Faster problem-solving
- Protection against geopolitical instabilities

\* Delivered since 2023 + projected by 2030.

# Our demands for the next five-year period

Main contracting

## TOPSIDE

- FPSO

## SUBSEA

- PLSVs
- Other support vessels
- Flexible pipelines
- Rigid pipelines
- Wet Christmas Trees (WCTs)

## WELLS

- Drilling rigs
- Well materials and services

## REFINING, GAS & POWER AND LOGISTICS

- C&A contracts
- Critical equipment

INNOVATION

**4 + 6**

**FPSOs**  
Under contracting +  
Under study

**~600 km**

**WELL  
TUBULARS  
(OCTG)**

**~100**

**INTEGRATED  
DRILLING  
CONTRACTS**

**~90**

**COMPLETION  
SYSTEMS**

*between*  
**23 - 28**

**FLEET OF  
DRILLING RIGS<sup>2</sup>**

**20**

**REFINING, GAS &  
POWER AND  
LOGISTICS PROJECTS**

**~6,000 km**

**RIGID AND FLEXIBLE  
PIPELINES AND  
UMBILICALS**

**~200**

**WCTs**

**9**

**EPCIs**

*between*  
**75 - 85**

**FLEET OF SUBSEA  
SUPPORT  
VESSELS<sup>1,2</sup>**

**13**

**EPRDs**

**~1,000** OPEN INNOVATION  
CHALLENGES

Estimated numbers

<sup>1</sup>Includes AHTS, RSV, PLSV, SDSV, MPSV.

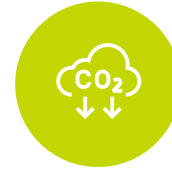
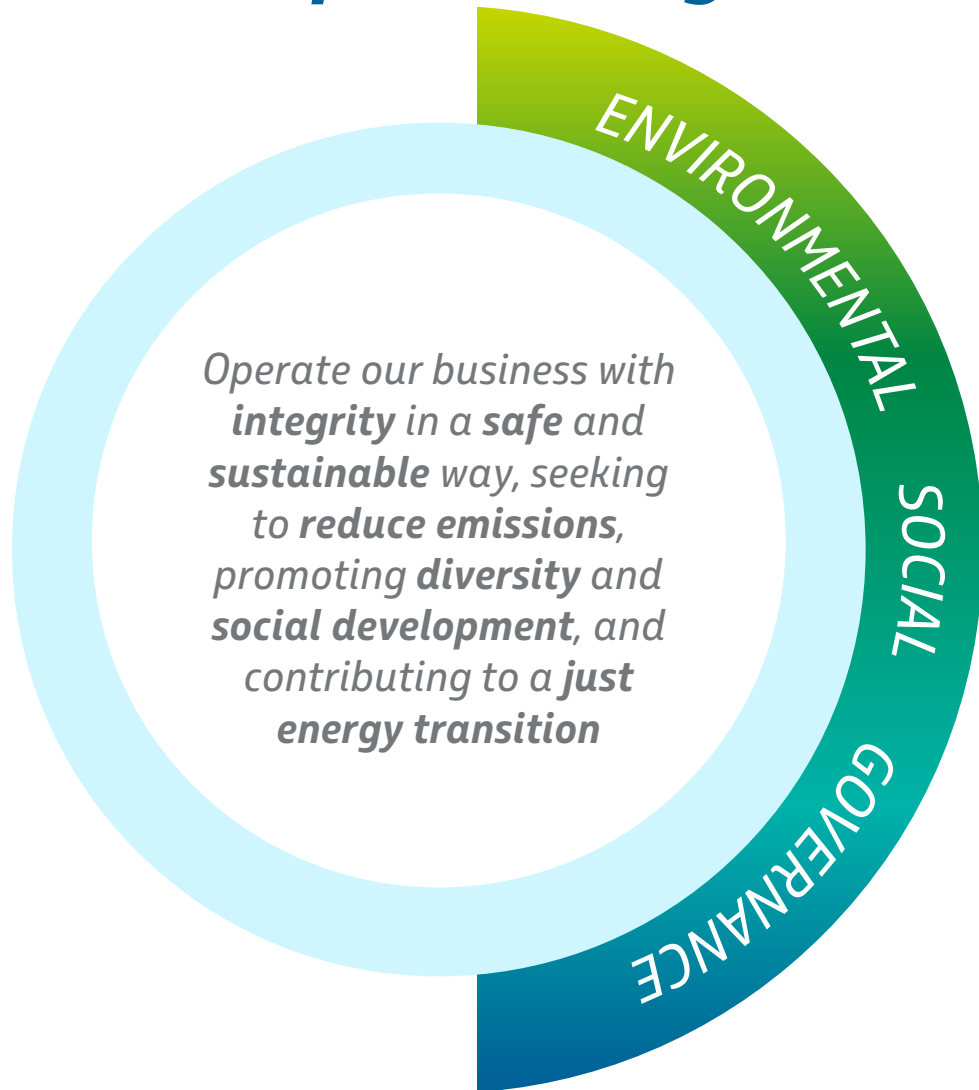
<sup>2</sup>Expected fleet level, considering maintenance of current contracts, termination of contracts and new hires.

# ***ENVIRONMENTAL, SOCIAL and GOVERNANCE***

*Janssen Ramos Costa  
(Strategy & Planning)*



# Our ESG positioning



## REDUCE CARBON FOOTPRINT

*Ambition Net Zero 2050  
Ambition Near Zero Methane 2030  
Ambition to keep Emissions below 55 MM tCO2e by 2030*



## PROTECT THE ENVIRONMENT

*Zero Leak Ambition*



## TAKE CARE OF PEOPLE

*Zero Fatality Ambition*



## ACT WITH INTEGRITY

*Ambition to be a reference in ethics, integrity and transparency*



# Protect the environment

## Commitments



**40%<sup>1</sup> reduction in our freshwater intake by 2030 (91 MM m<sup>3</sup>/year)**



**30%<sup>1</sup> reduction in the generation of solid process waste by 2030 (195 thousand tons/year)**

**Allocation of 80% of solid waste to RRR<sup>2</sup> routes by 2030**



**Achieve Biodiversity gains by 2030, with a focus on forests and oceans**



**100% of Petrobras facilities with Biodiversity action plans by 2025**

- Net positive impact on vegetated areas by 2030
- 30% increase in Biodiversity conservation by 2030

<sup>1</sup> Reference year: 2021. Business segments that were not part of the company's portfolio in 2021 (Fertilizers and BioJet Fuel) are not included in the scope of the commitment.

<sup>2</sup> Reuse, recycling and recovery.





# Water security

Reducing our freshwater withdrawal by 40% by 2030\*

in 2030 | **91** MM m<sup>3</sup>/year

Freshwater use in 2024 (MM m<sup>3</sup>)

WITHDRAWAL 75%

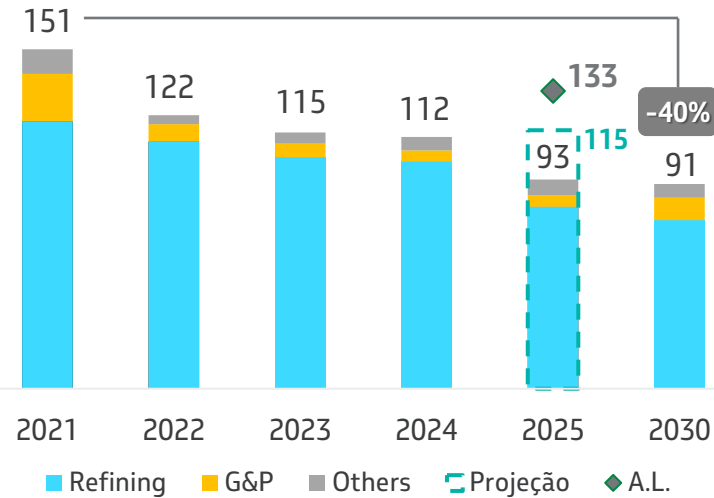
**112**

REUSE 25%

**38**

- 2% of Brazilian industrial sector's water use

FRESHWATER WITHDRAWN (MM m<sup>3</sup>/YEAR)



**REUSE AND LOSS REDUCTION (2021-30):**

~ **54 projects/actions**

Reduction of around 43 MM m<sup>3</sup> (annual consumption of 790,000 inhabitants)

**NEW FRONTS:**

**EXTERNAL REUSE** – Águas do Rio and COPASA

**RAINWATER UTILIZATION** – Expansion of Rainwater collection for industrial use (RNEST)

\*The commitment considers the business segments in which we were involved in 2021



# Circular economy

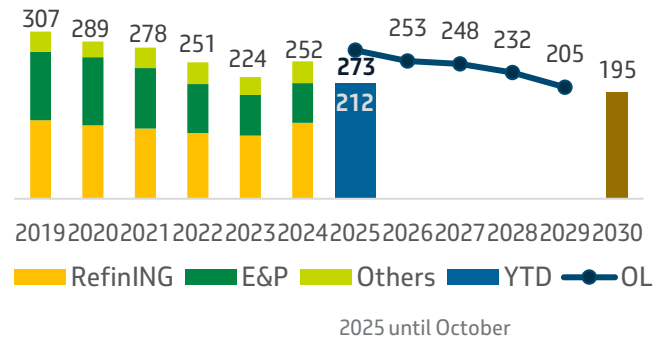
**30% reduction in the generation of solid process waste by 2030\***

in 2030 | **195** Thousand ton /year

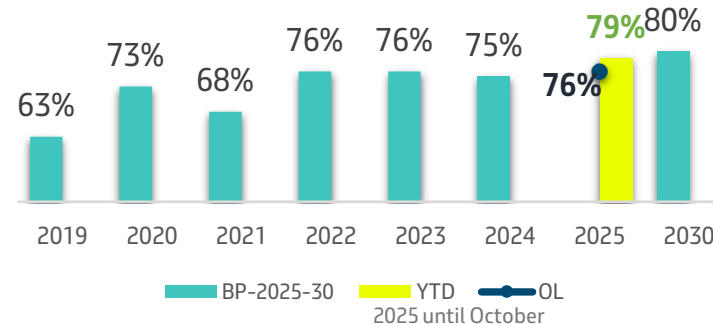
**Allocation of 80% of solid waste from process to reuse, recycling and recovery routes by 2030**

in 2030 | **80%** RRR

**SOLID WASTE GENERATED**  
Thousand ton/year



**% OF REUSE, RECYCLING OR RECOVERY OF SOLID WASTE**



- ▶ Processing of oily sludge
- ▶ Expansion of RRR disposal for construction waste and organic waste
- ▶ RRR disposal of FCC waste

\*The commitment considers the business segments in which we were involved in 2021



# Biodiversity gains

100% of Petrobras facilities with Biodiversity Action Plans by 2025



in 2025 | **100%** BAPs

Net positive impact on areas by 2030



in 2030 | **>0** Net gain in vegetated areas

+30% increase in biodiversity conservation



in 2030 | **+30%** Biodiversity efforts

**ACHIEVE BIODIVERSITY GAINS BY 2030, WITH A FOCUS ON FORESTS AND OCEANS**



Expansion of resources for socio-environmental investments in ocean and forests



Action in all Brazilian biomes and a holistic approach with integration of the biodiversity theme in all environmental projects

**30% INCREASE IN BIODIVERSITY CONSERVATION THROUGH SOCIO-ENVIRONMENTAL INVESTMENT BY 2030**

**Promote biodiversity conservation and restoration actions until 2030**

*Protection of endangered fauna*

*Recovery and conservation of biomes*

*Management of environmental protection areas*



2021

2030



# Operational Safety Integrates Processes, People, and Technology

We promote people's safety through practices that incorporate human factors, focusing on organizational learning.



## PRINCIPLES OF HUMAN FACTORS

<i>Trust is essential</i>	<i>People create safety</i>	<i>How we respond to failures matters</i>	<i>Learning and improving is key to success</i>	<i>Context drives behavior</i>
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## INTEGRATION OF OCCUPATIONAL SAFETY AND PROCESS SAFETY

*Standards, procedures, risk analysis, inspection and management of change*



## EXCELLENCE AND INNOVATION

*Adoption of best practices, technologies, and critical data analysis to develop both internal and contractor professionals*

## STRATEGIES

- RISK MANAGEMENT:** Strengthen the adoption of best practices, achieving proactive risk management
- CONTRACTORS:** Encourage companies to care for and train service providers
- LEARNING:** Increase our safety capacity through organizational learning
- BENCHMARKING:** Expand and strengthen our influence as a global safety reference in the energy industry
- KNOWLEDGE:** Foster the development of professionals with the most advanced market practices
- DATA:** Enhance critical analysis of safety data to support decision-making

**Targets monitored by executive board and broken down into metrics across the company**



**TAG**  
Fatalities and Permanent Impairment Rate



**TRI**  
Total Recordable Injuries Rate



**VAZO**  
Oil spills



Hugo Tavares  
Vieira Gouveia  
(Renewable Energy)

## Take care of people

- *Provide a return to Society of at least 150% of the amount invested in voluntary socio-environmental projects<sup>1</sup> by 2030*
- *To be among the top three O&G companies in the human rights ranking by 2030<sup>2</sup>*
- *Promote Diversity, Equity and Inclusion:*
  - *Women in leadership: 26% by 2030*
  - *Black people in leadership: 26% in 2030*
- *Implement 100% of the commitments of the Mind in Focus Movement (UN Global Compact) by 2030*
- *Implement 100% of the strategic objectives of the WHO Global Physical Activity Action Plan in the business context by 2030*

<sup>1</sup> Per project, measurable (3 years) | <sup>2</sup> In the Corporate Human Rights Benchmark (CHRB)



# Attraction, retention, and continuous development make our human capital a strategic advantage



## Recognition, able to attract the best professionals in the market

- **'Highly Commended Company'** in Diversity and Inclusion category  
*Reuters Sustainability Awards, 2025*
- **First Brazilian company** in the ranking of world's best companies to work for  
*Forbes, 2025*
- **Top 3** in the ranking of best employer brands in Brazil by *Randstad Award 2025*



## We cultivate long-term careers and invest in professional development

- **Training and development** aligned with business needs
- **Knowledge Culture:** Permanent value generation for the company
- **91% of employees feel proud to work at Petrobras\***



**16.2 years**

*Average company tenure*



**Belonging**



**Greater efficiency**



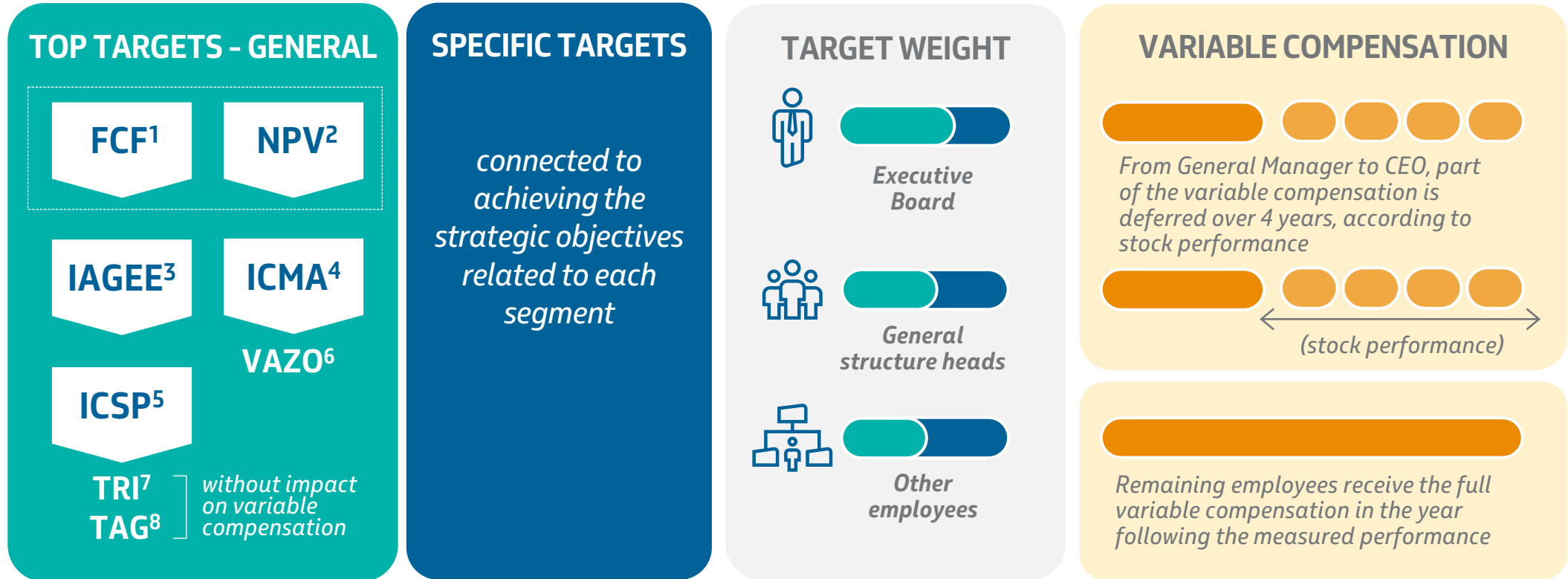
**Strengthening the culture**

\* 2025 Organizational Climate Survey



# Aligned incentives transform strategy into results

We simplified the financial metrics: focus on cash generation and long-term value



<sup>1</sup> FCF: Free Cash Flow

<sup>2</sup> NPV: Net Present Value

<sup>3</sup> IAGEE: Greenhouse Gas Emissions Target Achievement Index:

<sup>4</sup> ICMA: Environmental Commitment Indicator

<sup>5</sup> ICSP: Commitment to People's Safety Indicator

<sup>6</sup> VAZO: Oil spills

<sup>7</sup> TRI: Total Recordable Injuries Rate

<sup>8</sup> TAG: Fatalities and Permanent Impairment Rate



# Act with integrity

## VOLUNTRARY TARGETS

- **Promote diversity in Petrobras' nominations for our shareholdings**
  - Achieve, by 2026, a minimum of 30% representation of women in statutory positions appointed by Petrobras within its equity holdings
  - **NEW:** Achieve, by 2028, a minimum of 20% self-declared Black people in statutory body positions appointed by Petrobras in its equity investments
- Ensure, by 2030, the completion of sexual violence investigations within an average timeframe of 60 days
- 100% of relevant suppliers trained in integrity and/or privacy by 2030
- Implement human rights due diligence on 100% of our relevant suppliers by 2030

- Evaluate the expansion of ESG requirements in 100% of contracts in strategic categories by 2028
- Establish that 70% of relevant suppliers have their emissions inventory (GHG) published by 2028



*In addition to the voluntary targets, as a state-owned company, we are subject to Law 15,177/2025, which requires that boards of state-owned companies and mixed-capital companies have 30% women, including quotas for Black women or women with disabilities, with gradual implementation (10%, 20%, 30%) and sanctions foreseen for non-compliance*



# Strengthening our Governance

## OUR GOVERNANCE SYSTEM

- ✓ Ensures technical decisions
- ✓ Prevents undue interference
- ✓ Guarantees the approval of projects with a foreseeable economic return



The Board of Directors defines the general Direction of our business, establishing our mission and strategic objectives



Executive Board responsible for business management and results



Specialized statutory committees responsible for advising the decisions of the Directors, Executive Board and Board of Directors



The decision-making process is supported by technical analysis and legal and compliance opinions



Independent Governance and Compliance, Internal Audit, Ombudsman structures and Inspector General.  
External whistleblowing channel, with guaranteed anonymity and non-retaliation

## IN ADDITION, PETROBRAS IS SUPERVISED BY SEVERAL REGULATORS

- ✓ CVM e SEC (investor protection)
- ✓ CGU (Office of the Comptroller General)
- ✓ TCU (Federal Court of Auditors)
- ✓ SEST (control of governance practices)
- ✓ CADE (antitrust body)



# Project approval governance

Capital investment projects are approved for the execution phase only when they show a positive NPV in all three scenarios\*

## Entry into the Plan's project portfolio

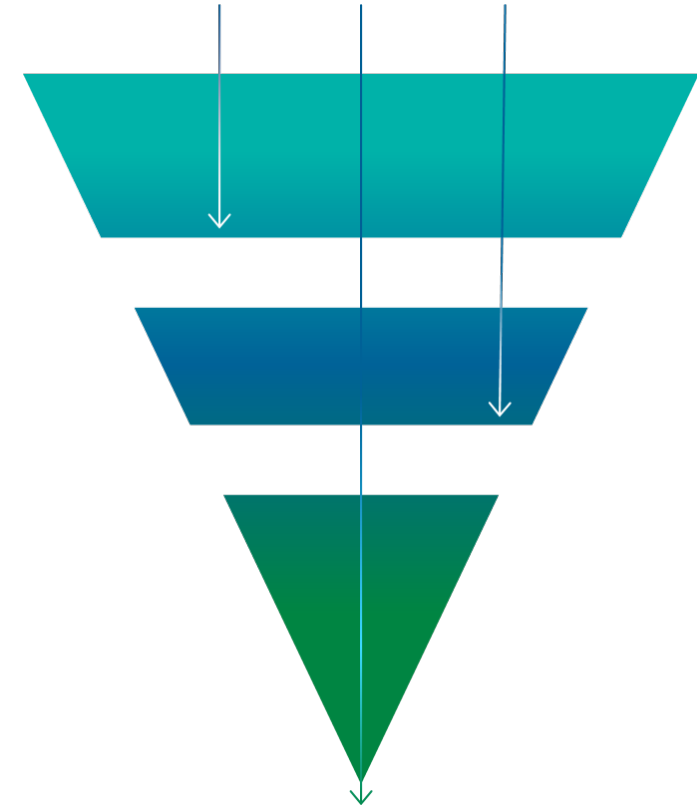
Projects must have strategic alignment and positive NPV expectations  
Initial planning stage: does not mean authorization for execution

## Project development

Internal systems establish criteria and stages for investments and divestments

## Implementation Decision

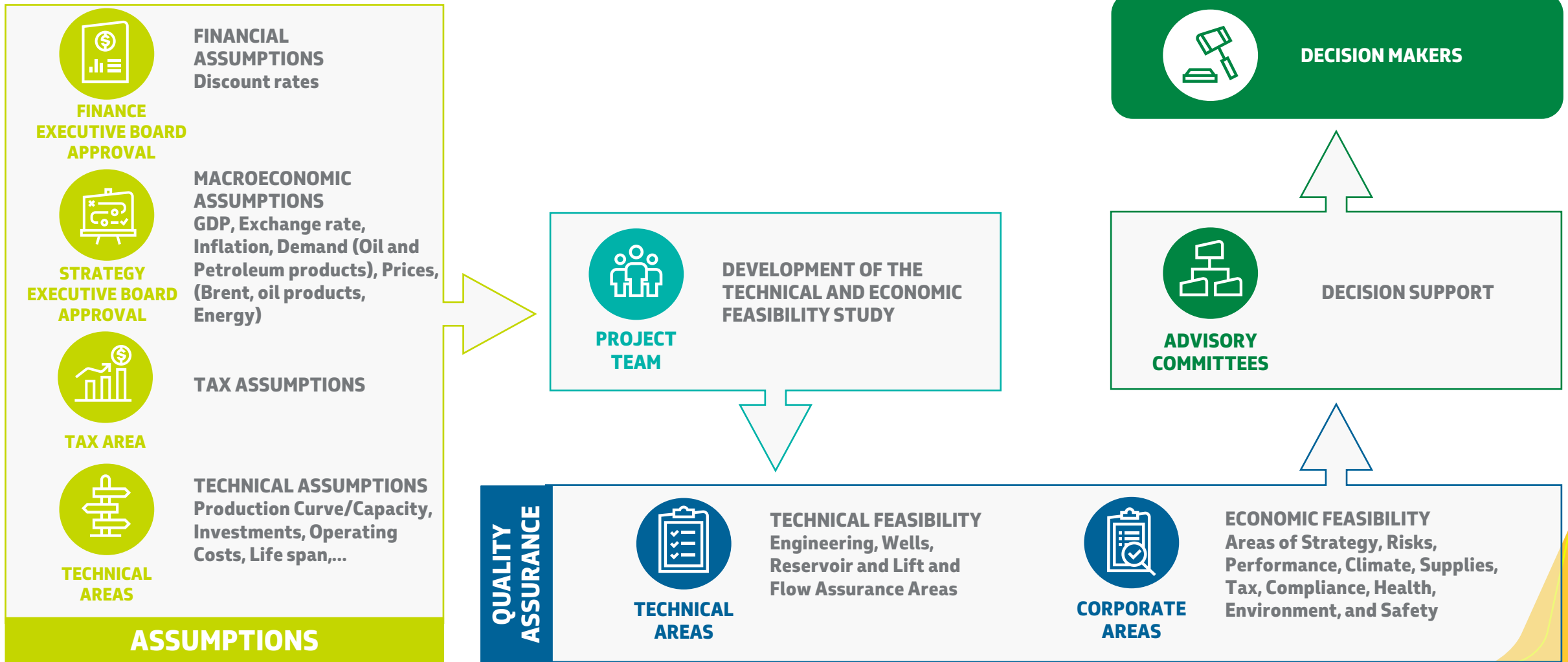
Proof of technical and economic viability: review groups and Statutory Technical Committees, with executives fiducially accountable for their opinions  
Projects over US\$ 1 billion require approval by the Board of Directors, with an opinion from the Investment Committee  
Energy Transition projects have lower authority limits



\* Exploratory projects (including participation in auctions), current investments (e.g., maintenance), as well as partnerships, acquisitions, and divestments follow specific approval procedures.



# Approval process independent from the Project Team\*



\*Specific procedure for investment projects

# ***INFORMATION TECHNOLOGY AND TELECOMMUNICATIONS***

*Ana Marcela Bergamasco  
(Social Responsibility)*



# ***AGILIZA Program will focus on technology to integrate people and processes***

The **Business Plan** 2026–2030 reaffirms our strategic role in energy generation for Brazil's economic and social development. All this with responsibility and aligned with a just energy transition, to build a sustainable and competitive future.

The **Program** will be proposed to support this journey by integrating People, Technology, and Processes to drive data-centered decisions, with responsible use of artificial intelligence, accelerated automation, organizational agility, and teams prepared to lead digital innovation.



**PROGRAMA  
AGILIZA**

***Petrobras' journey  
towards the future***



# AGILIZA Program

*Boost Petrobras through the integration of people, processes, and technology, promoting digital skills and responsible use of artificial intelligence to lead innovation with care and excellence*

PEOPLE

PROCESSES

TECHNOLOGY

DATA

## DEVELOP DIGITAL FLUENCY

Develop the workforce with digital skills, providing fluency in technologies, analytical thinking, and adaptability. A proactive, versatile, and diverse workforce.



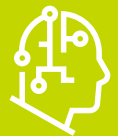
## ACCELERATE ORGANIZATIONAL AGILITY

Simplify, experiment, and scale Lean practices in daily routines, fostering innovation and continuous value delivery, supported by technologies and resources for digital innovation at the front lines, with safety and governance.



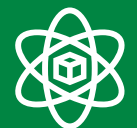
## SCALE PROCESS INTELLIGENCE

Promote greater efficiency in processes, with end-to-end optimization and automation through advanced digital platforms, aiming to increase individual and organizational productivity.



## PROMOTE DATA AND ARTIFICIAL INTELLIGENCE READINESS

Provide reliable and quality data for assisted decisions and promote the ethical, safe, and responsible use of artificial intelligence.



# Accelerate value generation through digital technologies

We apply AI and technologies in all processes

Machine learning for well configurations and integration with simulation systems.

**R\$ 350 million captured**

Reservoir solutions to reduce geological, legal, and environmental risk.

**R\$ 290 million Cost avoided**

Use of AI solutions to enhance predictive monitoring and integrated operations control rooms (COI).

**~3 days of production per year**

**8.3 mboe/year Losses avoided**

Automation of requests, speeding up purchases and avoiding costs.

**R\$ 111 million average cost avoided/year**

**190 thousand items automated per year**

AI to control our industrial flares in real time.

Reduction of emissions **10,000 tCO<sub>2</sub>/year**

Revenue forecasting model for the domestic market, based on advanced machine learning algorithms.

**51% Greater accuracy in forecasts**

Digital Twin: digital versions of refineries, simulating scenarios before their implementation.

**US\$ 200 million captured in one year**

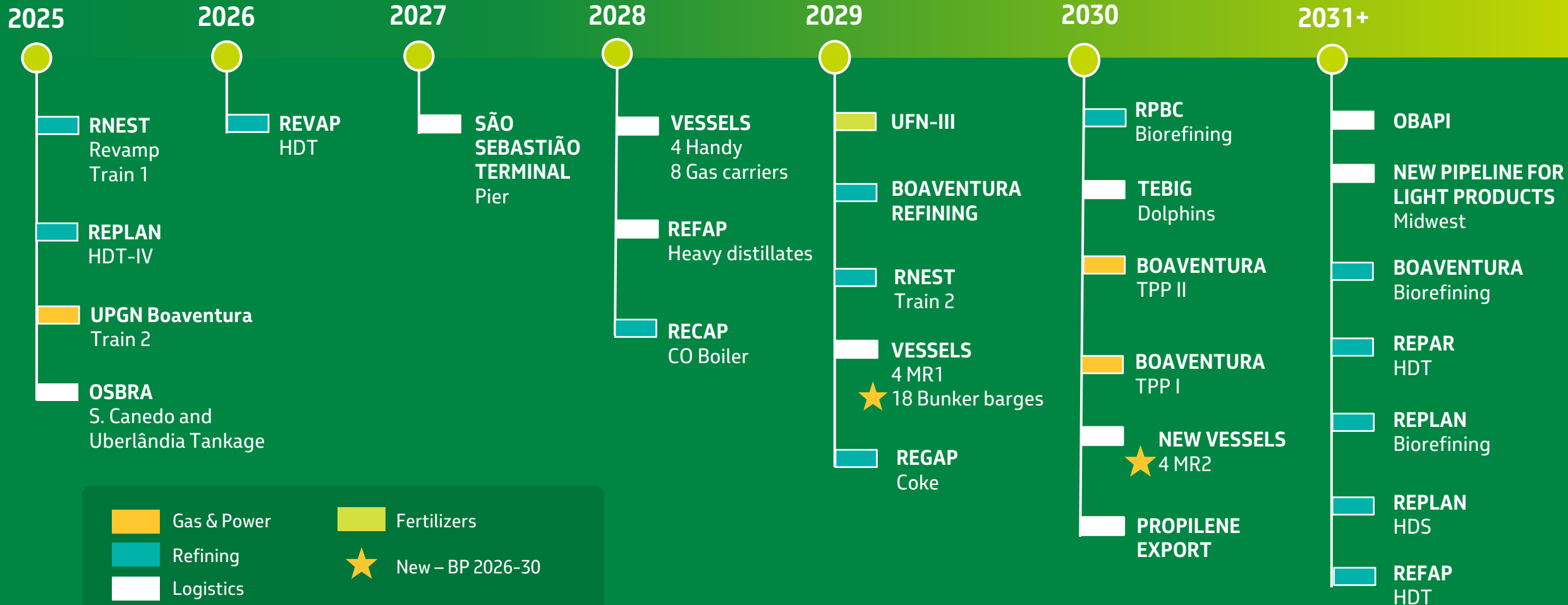
Image generated by Artificial Intelligence



# ***SUPPLEMENTAL INFORMATION***

# Main Refining System, Logistics and Gas & Power Projects

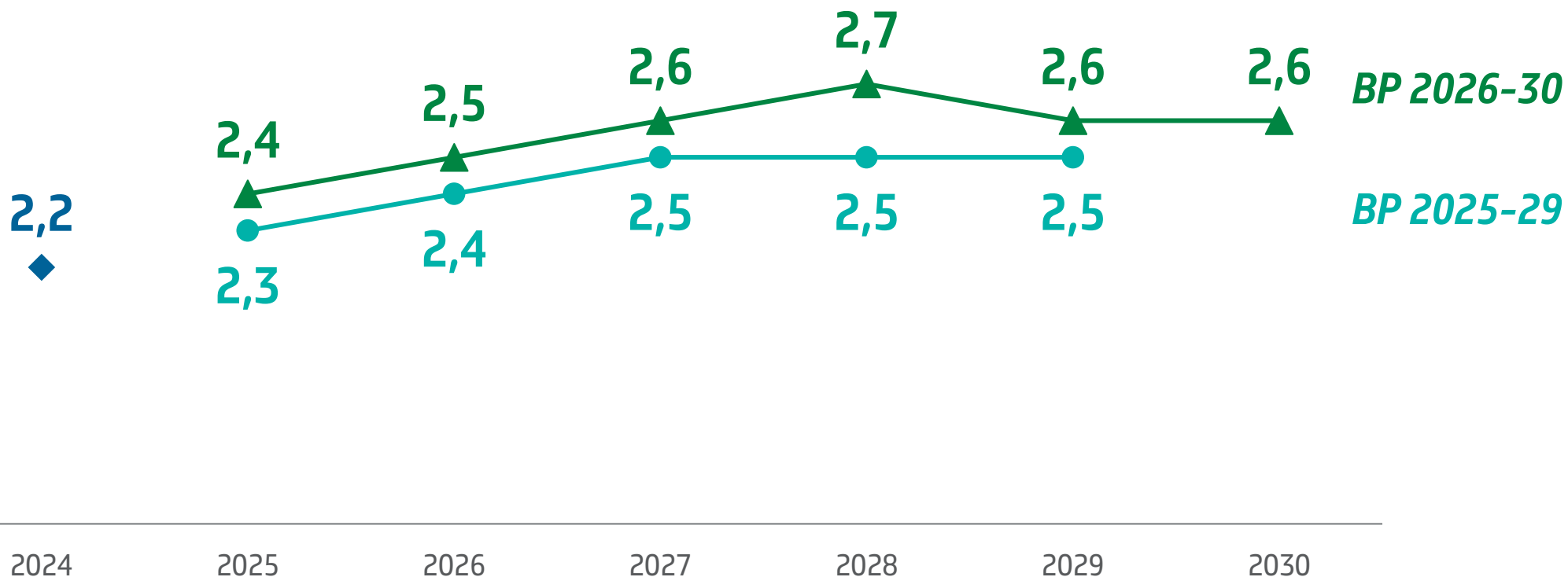
Expanding capacity while improving product quality



# We are delivering higher production

## OIL PRODUCTION

MMbpd

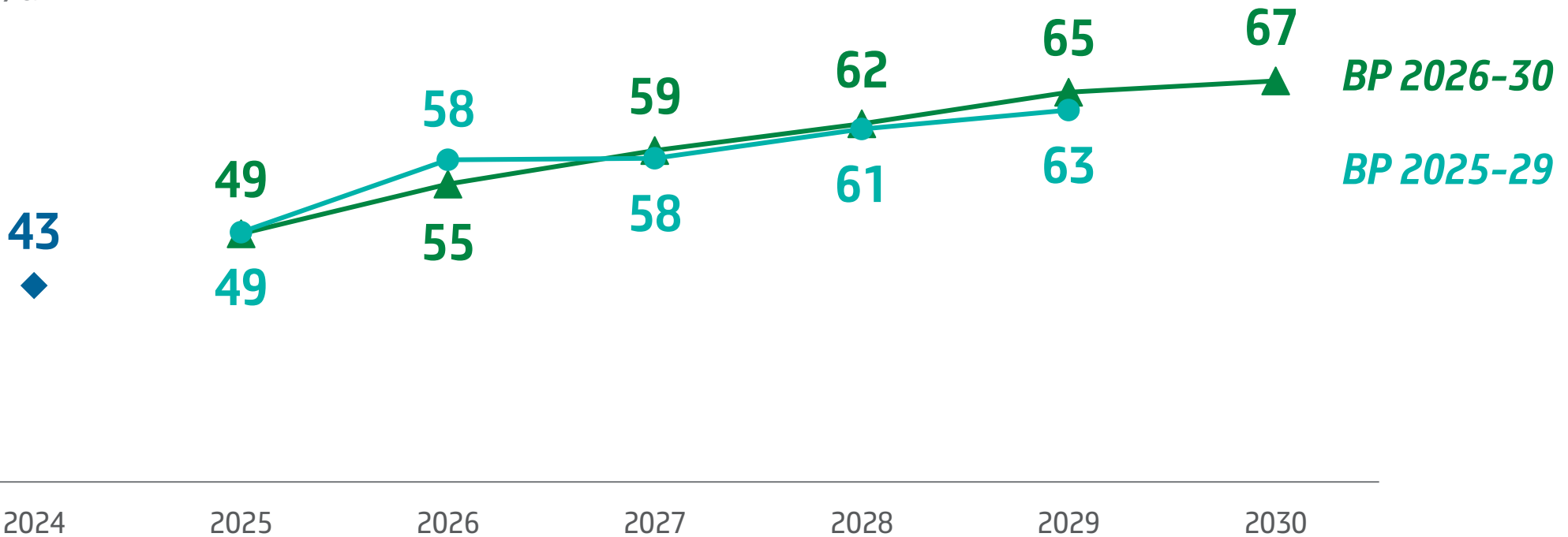


\* Driven by higher operational efficiency and stronger deliveries throughout the year, the current 2025 oil production projection is ~2.4 MMbpd, with expectation to close the year at the upper end of the 2.3 MMbpd target band ( $\pm 4\%$ ).

# We are delivering higher production

## NATURAL GAS AVAILABILITY\*

MM m<sup>3</sup>/d



\* Gas availability — Brazil (Petrobras + partners).



*PETROBRAS 2026-2030*  
**BUSINESS**  
*PLAN*

*Sabrina Andrade de Gois*  
*(DE&P)*