



INVESTING RESPONSIBLY

VALUE CREATION • ENVIRONMENT • SOCIAL • GOVERNANCE

DISCLAIMER

The presentation may contain forward-looking statements about future events that are not based on historical facts and are not assurances of future results. Such forward-looking statements merely reflect the Company's current views and estimates of future economic circumstances, industry conditions, company performance and financial results. Such terms as "anticipate", "believe", "expect", "forecast", "intend", "plan", "project", "seek", "should", along with similar or analogous expressions, are used to identify such forward-looking statements. Readers are cautioned that these statements are only projections and may differ materially from actual future results or events. Readers are referred to the documents filed by the Company with the SEC, specifically the Company's most recent Annual Report on Form 20-F, which identify important risk factors that could cause actual results to differ from those contained in the forward-looking statements, including, among other things, risks relating to general economic and business conditions, including crude oil and other commodity prices, refining margins and prevailing exchange rates, uncertainties inherent in making estimates of our oil and gas reserves including recently discovered oil and gas reserves, international and Brazilian political, economic and social developments, receipt of governmental

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In addition, this presentation also contains certain financial measures that are not recognized under Brazilian GAAP or IFRS. These measures do not have standardized meanings and may not be comparable to similarly-titled measures provided by other companies. We are providing these measures because we use them as a measure of company performance; they should not be considered in isolation or as a substitute for other financial measures that have been disclosed in accordance with Brazilian GAAP or IFRS.

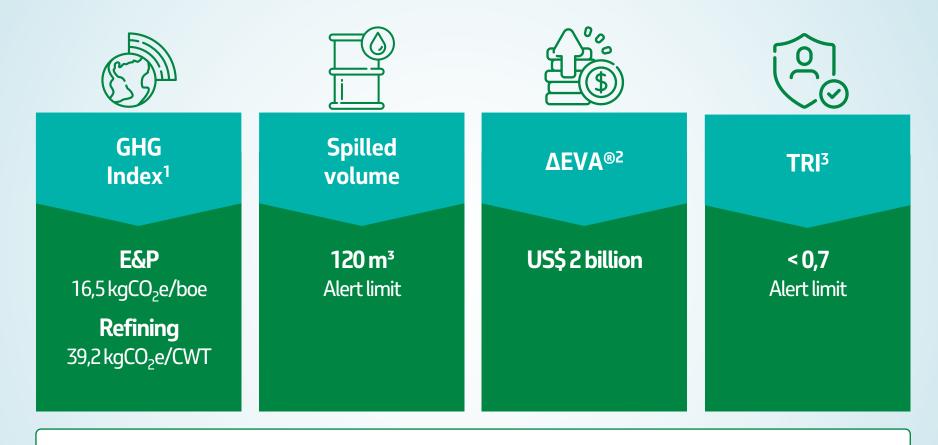
Cautionary statement for US investors

We present certain data in this presentation, such as oil and gas resources, that we are not permitted to present in documents filed with the United States Securities and Exchange Commission (SEC) under new Subpart 1200 to Regulation S-K because such terms do not qualify as proved, probable or possible reserves under Rule 4-10(a) of Regulation S-X

STRATEGIC PLAN



2022 TARGETS



AMBITION: ZERO FATALITIES AND ZERO LEAKAGE

¹ IAGEE: compliance with greenhouse gas targets index.

² Should gross debt exceed U\$\$ 65 billion, the metric score will be counted as zero.

³ Total Recordable Injuries per million man-hours.



ROBERTO ARDENGHY

Chief Institutional Relationship and Sustainability Officer

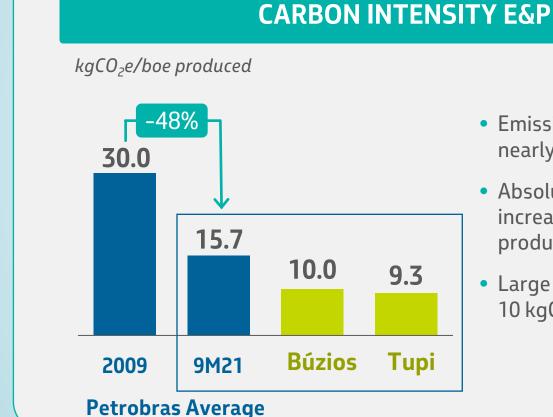
NET ZERO AMBITION

Achieve Net Zero emissions (scopes 1 and 2) in activities under our control within a timeframe compatible with the Paris Agreement

Influence partners to achieve the same ambition in assets in which we are non-operating partners



WE ARE AMONG THE MOST CARBON EFFICIENT IN THE WORLD



- Emissions per barrel cut by nearly half in 11 years
- Absolute reductions despite increase in oil and gas production of around 40%
- Large pre-salt fields:
 10 kgCO₂e/boe produced



- Our production is in the 1st quartile in carbon intensity in the offshore O&G industry
- We have the largest offshore CO₂ reinjection program in the world in the pre-salt fields and we are pioneers in this sort of CCUS¹ operation
- With award-winning ultradeepwater CO₂ reinjection technologies

INVESTMENTS TO STRENGTHEN OUR LOW CARBON POSITIONING



DECARBONIZATION OF OPERATIONS

(scopes 1 and 2)

- Creation of a decarbonization fund
- HISEP®, separation of CO₂, methane detection, closed flare, CCUS
- All electric fully electrified platform*
- Carbon reduction projects in refineries

CAPEX US\$ 1.8 billion + US\$ 0.25 billion (fund)



BIOPRODUCTS

- Renewable diesel
- Biojet Fuel
- R&D in biobunker

CAPEX US\$ 0.6 billion



SKILLS FOR THE FUTURE

(scope 3)

- R&D in modern renewables, products with low carbon footprint and CCUS
- Profitable diversification into new businesses

CAPEX US\$ 0.13 billion

CAPEX 2022-2026: US\$ 2.8 billion

ADVANCING DECARBONIZATION

DECARBONIZATION FUND

US\$ 248 million



Incentive for the development of solutions, studies and implementation of additional projects that mitigate carbon emissions



Portfolio approach: selection of projects that reduce emissions with the lowest cost and greatest impact on emissions



Program to accelerate solutions



REINFORCING OUR SUSTAINABILITY COMMITMENTS



CLIMATE CHANGE

- 1. 25% reduction in absolute operating emissions by 2030
- 2. Zero routine flaring by 2030¹
- 3. 40MM ton CO₂ reinjection by 2025 in CCUS² projects
- 4. 32% reduction in carbon intensity in the upstream segment by 2025 (15 kgCO2e/boe, maintained until 2030)
- 5. 40% reduction in methane emission intensity in the upstream segment by 2025
- 6. 16% reduction in carbon intensity in the refining segment by 2025, expanding to 30% by 2030 (30 kgCO₂e/CWT)



WATER RESOURCES

7. 50% reduction in freshwater capture in our operations by 2030



BIODIVERSITY

9. 100% of our facilities with biodiversity action plan by 2025



WASTE

8. Zero increase in residues generation by 2025

SOCIAL RESPONSABILITY

10. Investments in social and environmental projects, human rights programs, community relationship and solution to social and environmental problems, involving opportunities for action with our stakeholders and clients of Petrobras products

Carbon commitments related to 2015 base. Other commitments based on 2018. 'In accordance to the zero routine flaring initiative of the World Bank

MORE SOCIAL AND ENVIRONMENTAL ENGAGEMENT GENERATING A POSITIVE IMPACT ON SOCIETY

HUMAN RIGHTS

- Human Rights training program for 100% of employees
- Human Rights due diligence in 100% of operations
- Actions to promote diversity, providing an inclusive environment

COMMUNITY RELATIONSHIP

- Community socioeconomic diognosis in 100% of operations
- Engagement with communities

SOCIOENVIRONMENTAL INVESTMENTS

- Evaluation and disclosure of the social return of voluntary social and environmental projects
- Development of initiatives that contribute to the solution of social and/or environmental problems





SAL VADOR DAHAN

Chief Governance and Compliance Officer

STRENGTHENING CORPORATE GOVERNANCE



Board of Directors responsible for approving global strategies - commercial, financial, risks, investments, transaction with related parties and others



responsible for managing the business and achieving results, for example; pricing policy members have personal liability to act in line with Petrobras' best interests



Endorsement of statutory committees before Officers, Executive Board and Board of Directors decision



Decision-making process requires validation from technical areas and legal and compliance opinion



Independent Governance and Compliance, Internal Audit and Ombudsman structures.

External whistleblowing channel, with assured anonymity and non-retaliation

PETROBRAS IS SUPERVISED BY SEVERAL REGULATORS

CVM and SEC (investor protection), CGU (Comptroller General Office), TCU (Federal Court of Accounts), SEST (control of governance practices), CADE (anti-trust body)

STRENGTHENING CORPORATE GOVERNANCE

BRAZILIAN LEGISLATION

- Corporate Act 6,404/76:
 Personal liability of the Board member or Officer who acts to the detriment of the company.
- State-owned Company Act 13,303/2016: nomination rules prohibiting political appointment, members of the executive and legislative including relatives, prohibiting conflicts of interest, requiring prior experience and integrity requirements.

BY-LAW(MODIFIED ONLY BY GENERAL SHAREHOLDERS MEETING)

- **Directors and Officers Appointment Policy:** contains the law and additional requirements, including integrity checks.
- Mandatory opinion of the Minority and Audit Committees in the evaluation of any relevant transaction with the Federal Government.
- Board of Directors: minimum of 40% independent members (today there are 70%)
- Governance and Compliance Officer: has independence with veto power and direct report to the Board. Specific process of hiring (headhunter) and dismissal (approval by the Board with at least 1 minority vote)
- If directed by the controlling shareholder to assume obligations to serve the public interest under unbalanced conditions from the market, the federal government shall compensate the Company for any financial loss

GENERATING RECOGNITION



Return to *Dow Jones*Sustainability Index



Fulfillment of obligations provided in the agreement with the US Department of Justice (DoJ)



Adherence to good prevention practices to fraud and corruption by the National Prevention Program to Corruption, in partnership with TCU



Transparency Portal reached 1st position in the Comptroller General Office (CGU) ranking



Member of the B3 Corporate Sustainability Index (ISE) and Carbon Efficient Index (ICO2 B3)

ISEB3



Association for Supply Chain Management (ASCM) certification for environmental, ethical and economic excellence in the procurement and supply chain of goods and services



Among the most transparent companies in sustainability reports in Brazil, according to the Global Reporting Initiative (GRI)



94% adherence to the Brazilian Code of Corporate Governance



RODRIGO ARAUJO ALVES

Chief Financial and Investor Relations Officer

FINANCE STRATEGIES



Maintain optimal capital structure



Maximize value creation



Mitigate risks through management of liabilities



Commitment to the best capital allocation



STRATEGIC PLAN ASSUMPTIONS

2022-2026





Real exchange rate

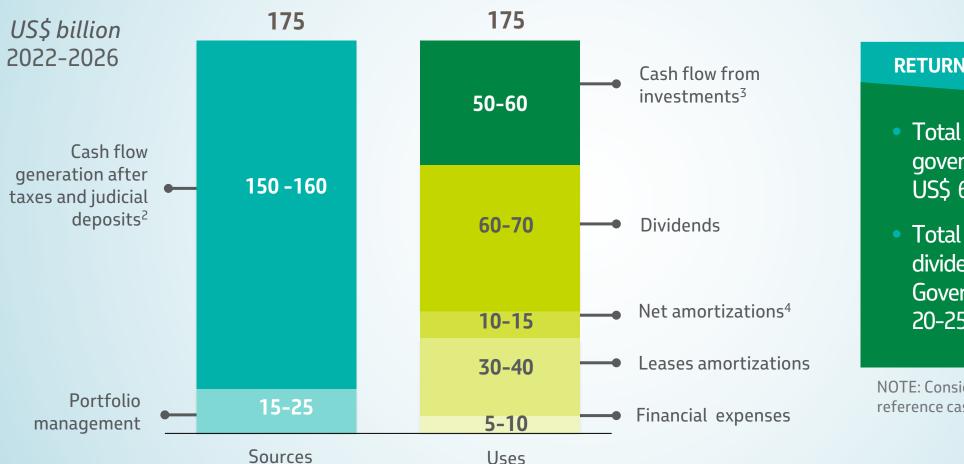
(R\$/US\$)

5.3

5.4

A STRONGER PETROBRAS GENERATES MORE VALUE FOR SOCIETY

58%¹ OF NET CASH GENERATION RETURNS TO SOCIETY



RETURNS FOR SOCIETY

- Total taxes and government take: US\$ 65-70 billion
- Total estimated dividends for the Government: US\$ 20-25 billion

NOTE: Considers US\$8 billion of reference cash.

¹ Dividends paid to the Federal Government plus taxes and government take divided by the cash flow generation after taxes and judicial deposits

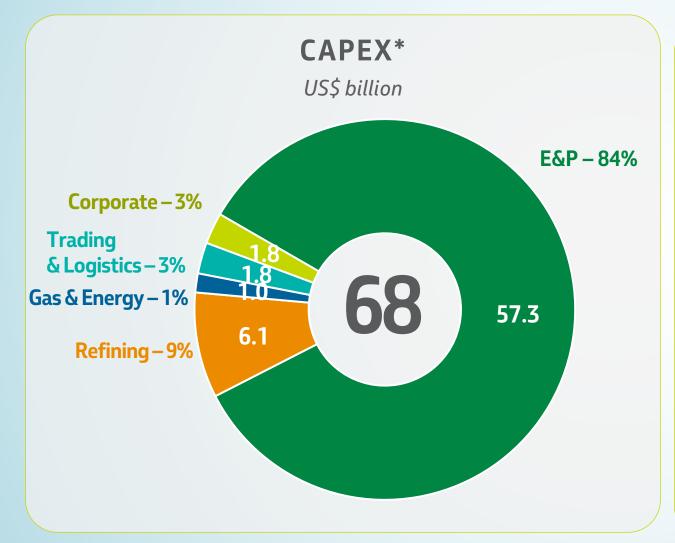
² Considers decommissioning costs of about US\$ 1 billion/year

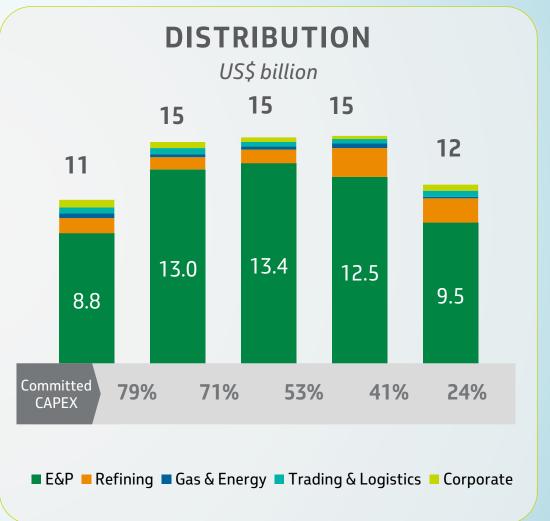
³ Excludes leases classified as total CAPEX

⁴ Considers funding of US\$ 5 billion

INCREASE OF CAPEX WITH DEBT UNDER CONTROL

CAPEX 2022-2026





^{* ~ 60%} of CAPEX in dollars

MAIN DRIVERS FOR IMPROVEMENT IN THE NEW SHAREHOLDERS REMUNERATION POLICY



The achievement of the gross debt target below US\$ 60 billion in 3Q21, considering this level as a target rather than a cap



Provide more predictability with minimum annual remuneration



Adjustments in parameters of (a) gross debt, to allow **flexibility in debt management** and (b) investment on free cash flow formula to contemplate signing bonus in auctions



Commitment to the best capital allocation



Strengthening Petrobras' **reputation**: a company that returns gains to society and shareholders

SIMPLIFICATION AND IMPROVEMENT IN THE NEW SHAREHOLDERS REMUNERATION POLICY



Minimum annual dividend of **US\$ 4 billion** for fiscal years in which average **Brent prices are above US\$ 40/bbl**

Gross debt ≤ **US\$** 65 billion and accumulated positive results:

60% x (OCF - Investments)

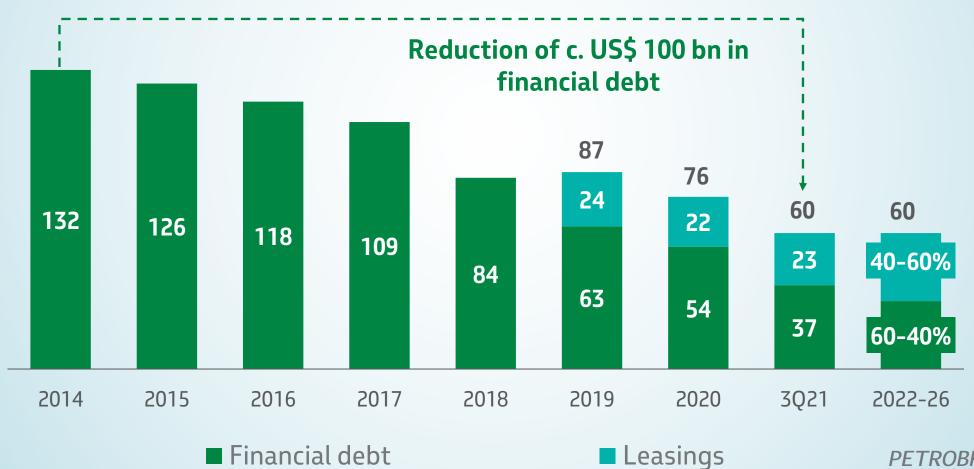
- Quarterly payments
- Possibility of extraordinary payments, regardless of indebtedness level
- In all distribution parameters, dividends cannot jeopardize the financial sustainability in the short, medium and long term

OPTIMAL CAPITAL STRUCTURE

GROSS DEBT OF US\$ 60 BILLION

Gross debt evolution

US\$ billion



PORTFOLIO MANAGEMENT FOR BETTER CAPITAL ALLOCATION

VALUES MOSTLY CONCENTRATED IN E&P*

MAIN ASSETS

EXPLORATION & PRODUCTION

- Onshore and shallow water assets
- International assets
- Albacora and Albacora Leste
- Golfinho/Canapu
- Papa-Terra
- Uruguá/Tambaú
- Camarupim

REFINING, GAS & ENERGY

- Refineries
- Onshore gas pipelines
- Gaspetro
- Braskem
- Oil-fired thermopower plants
- Fertilizer plants

US\$ 15-25 BILLION BETWEEN 2022 AND 2026**

^{*}impact of aprox. 50 kboed in 2022 production, average impact of c. 250 kboed in the remaining years of the plan.

** includes cash-in for the 5% of Buzios stake sold to CNOOC in 2022

RISK MANAGEMENT

Risk appetite sets the maximum risk limit that Petrobras is willing to take to carry out its strategy

The financiability of the strategic plan is tested in the resilience scenario (\$35/bbl Brent in the long term)

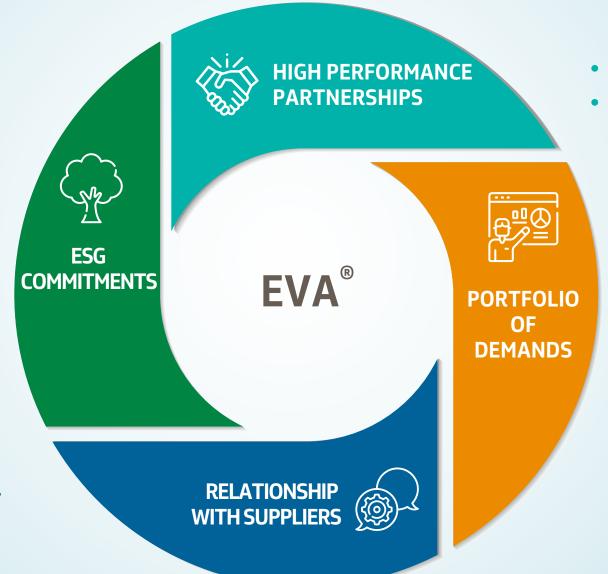
EXECUTION OF THE STRATEGIC PLAN AND ACHIEVEMENT OF ORGANIZATIONAL OBJECTIVES

COMPLIANCE, LEGAL FINANCIAL OPERATIONAL AND REGULATORY Ensure liquidity and adequate Zero tolerance for **misconduct** Minimize operational failures and leverage level contrary to the principles of the ensure business continuity Investments that ensure value Code of Ethical Conduct Protection of the life, health and Zero tolerance for **non**safety of the workforce, **generation and sustainable return** to communities and other shareholders and society **compliance** with legal and Focus on **cost reduction**, without giving contractual obligations stakeholders impacted by Requirement of the same conduct up on safety and compliance operations, as well as **preserving** Control of commercial and financial the environment **standards** for employees, partners and suppliers exposure

SUPPLY AS A VALUE LEVER

- Solution for decarbonizing
- More Value Program

- Early Engagement
- Communication for continuous improvement



- Compliance
- Incentive alignment

- Predictability and standardization
- Volume sinergies

RESILIENT OPERATING CASH FLOW

YEAR 2022



STRATEGIC PLAN 2022 - 2026

FERNANDO ASSUMPÇÃO BORGES

Chief Exploration and Production Officer

REINFORCING OUR STRATEGY OF VALUE MAXIMIZATION



Maximize portfolio value, focusing on deep and ultra-deep waters

Double resilience



BRENT US\$ 35/BBL IN THE LONG TERM LOW CARBON

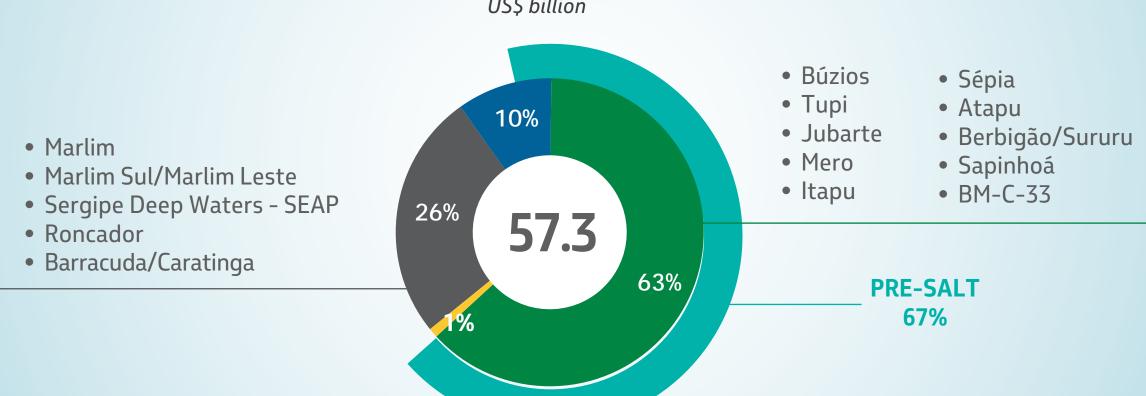


E&P INVESTMENTS FOCUSING ON PRE-SALT

Pos-Salt



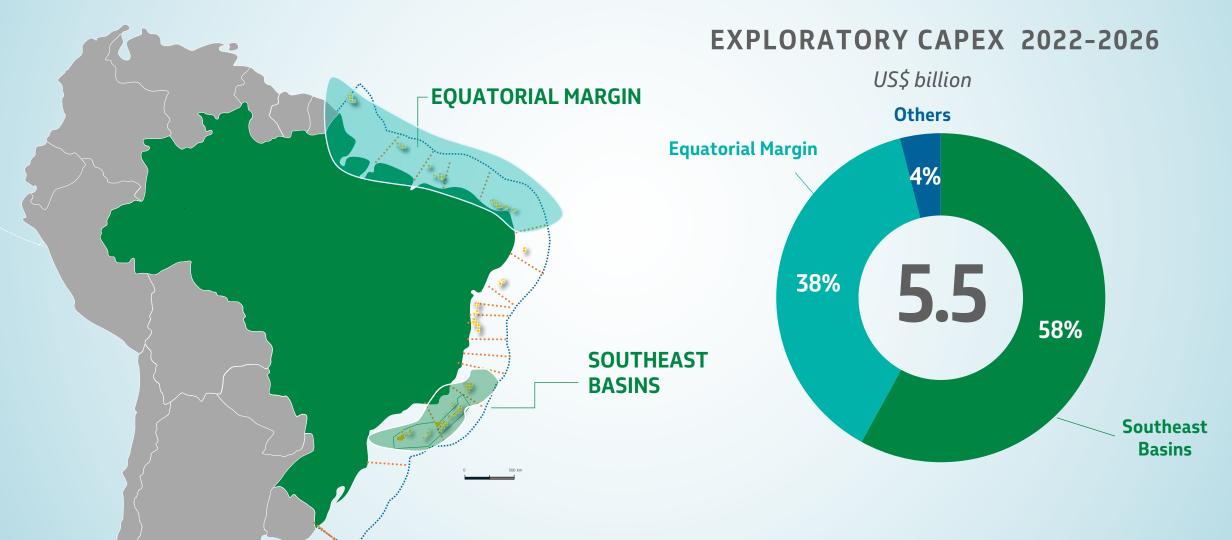
US\$ billion



Exploration Pre-Salt Other

^{*} Post divestments

WE SEEK RESERVES THAT FIT THE COMPANY'S FUTURE VISION EXPLORING NEW FRONTIERS AND DISCOVERED AREAS



RES20 PROGRAM: PASSPORT TO THE FUTURE

In 68 years. we have produced 23 billion barrels of oil equivalent (boe)

In the next 10 years we aim to incorporate 20 billion boe on Petrobras operated fields



LEVERAGES

Investments of US\$ 2.5
billion* in high
resolution seismic
aquisitions

Director plan per asset enhancing value generation Artificial Intelligence and deep technical knowledge, to develop the best reservoir models in the industry

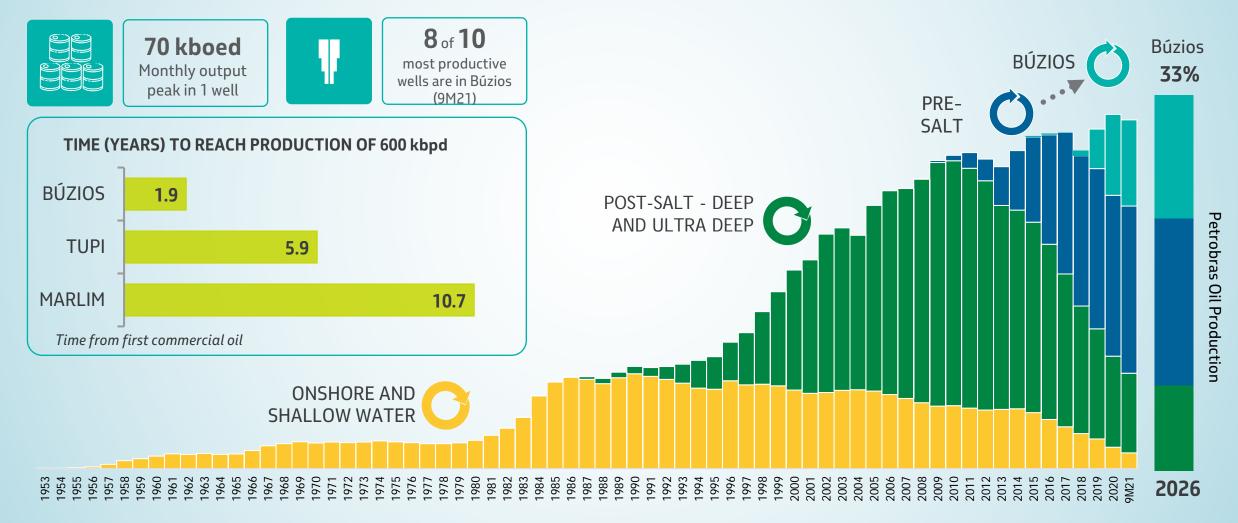
* In the 22-26 SP horizon

FOCUS ON VALUE MAXIMIZATION, WITH GREATER CONCENTRATION ON THE PRE-SALT



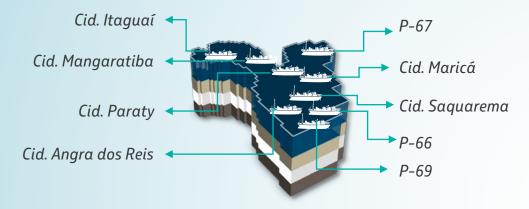
^{*} With variation of +/- 4%. Reduction of 0.1 MMboed in relation to 2022 forecasts in the previous plan due to COVID effects and increased participation of CNOOC in Búzios.

ACTIVE PORTFOLIO MANAGEMENT REINFORCED BY A NEW VALUE GENERATION CYCLE WITH EMPHASIS ON BÚZIOS



TUPI

WILL REMAIN THE LARGEST FIELD PRODUCING IN ULTRA-DEEP WATERS IN THE NEXT YEARS





2.6 billion boe

Accumulated production since 2009 (including partners)



~800 kboed

Current production (9M21 – Petrobras share)



~US\$ 4.7 billion* CAPEX (2022 – 2026)

LONG TERM MAXIMIZATION OF VALUE GENERATION

- Large potential for recoverable volume
- Strengthening of the integrity and efficiency of deployed systems
- Development and implementation of new production projects
- **Resilience** to low oil prices

CAMPOS BASIN REMAINS STRATEGIC IN THE INVESTMENT PLAN



New FPSOs

3



New wells

More than 100



Logistics revitalization

Oil and gas pipelines + fiber optic



Capex 2022-26

US\$ 16 billion



Production 9M21

~700 kboed

PRODUCTION 2026* (kboed)

~900

~600

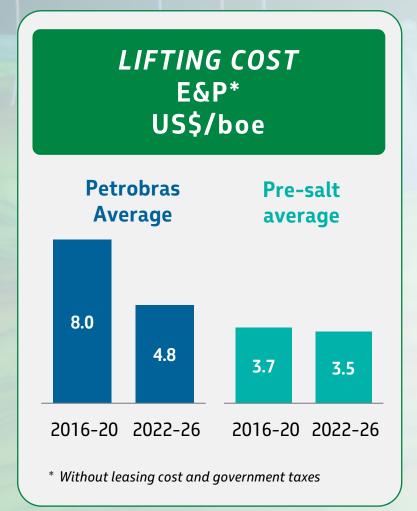
New projects

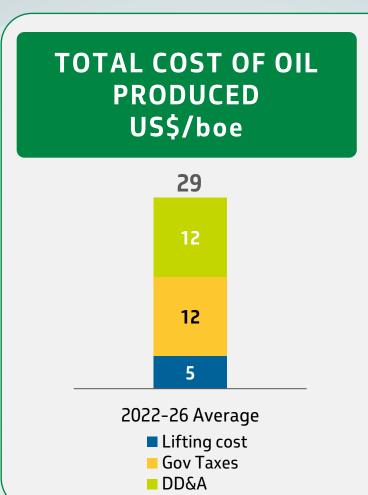
~300

Without new projects

^{*} Post divestments

LOW LIFTING COST REINFORCES OUR COMPETITIVENESS









JOÃO HENRIQUE RITTERSHAUSSEN

Chief Production Development Officer

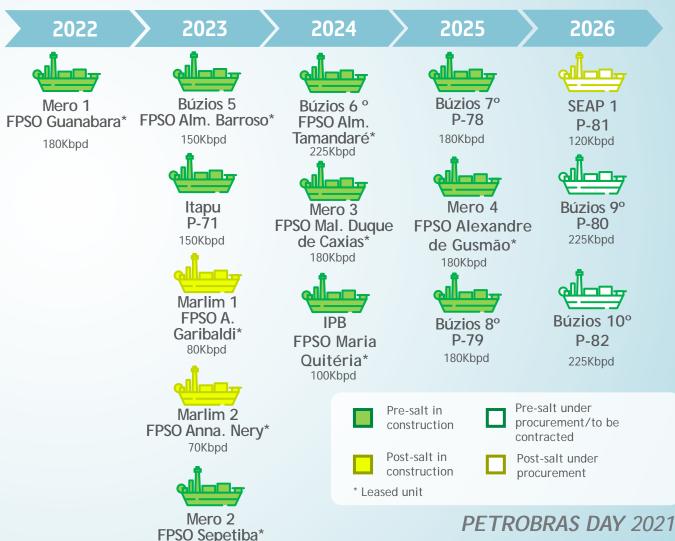
MORE CAPEX AND MORE VALUE

WITH NEW PROJECTS REPRIORITIZED AND CONSTRUCTION OF OWNED PLATFORMS FOR BÚZIOS



Integrado Parque das Baleias RJ Marlim Búzios Campos Basin Mero Itapu SE Sergipe Águas Santos Basin

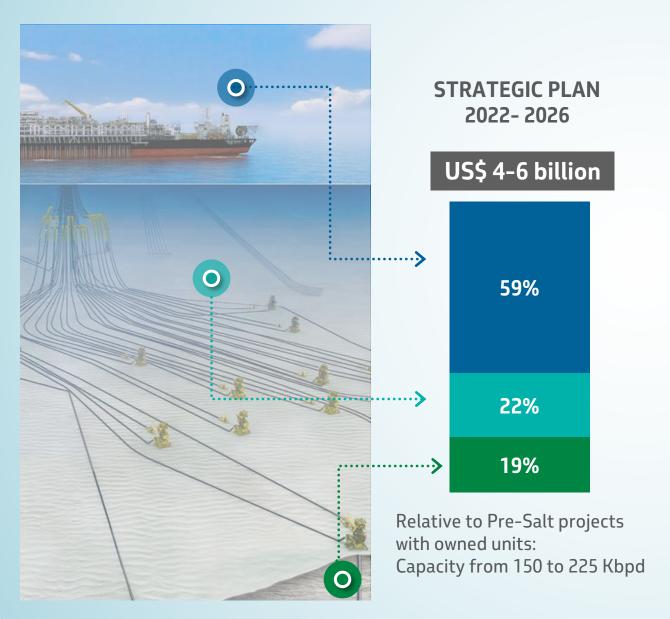
LEADER IN FPSO PROJECTS15 NEW FPSOs IN 6 FIELDS: 2022 - 2026

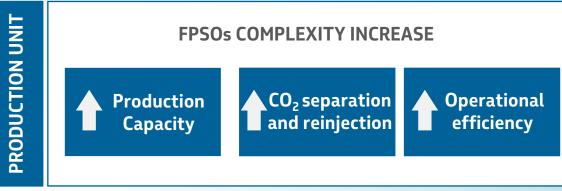


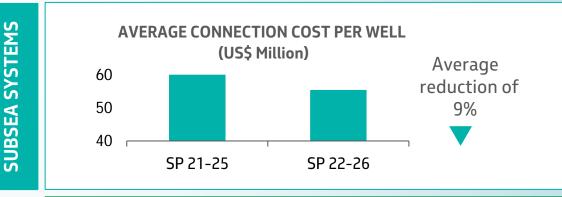
180Mbpd

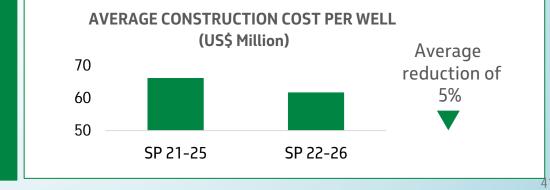
VALUE GENERATION IN A TYPICAL PRE-SALT PROJECT

MORE COMPLEX FPSOs WHILE KEEPING PROJECT'S AVERAGE BUDGET









SUBSEA

PROGRAM FOR MANAGEMENT OF FLEXIBLE PIPELINES INTEGRITY POSITIVE RESULTS TO MITIGATE THE IMPACTS OF CORROSION

R&D – increase in expertise

Special tools for subsea inspection

Pipeline replacement – mitigated or immune

Results achieved by controlling the issue

- Enhancement of engineering models to extend the useful life of pipelines
- New inspection technologies: cost savings of around US\$ 500 million in 2021
- 35% reduction in production losses compared to the forecast in 2021

Ongoing initiatives to ensure definitive solutions

- Expanding the supplier base for special inspection tools
- Development of new products/flexible pipelines qualified for SCC-CO2

150 Kbpd FPSOs 180 Kbpd FPSOs 225 Kbpd FPSOs 4 production units already in operation

and 6 planned to start operation in the 2022-2026 Strategic Plan

BUZIOS: LOOKING AHEAD

US\$ 23 BILLION CAPEX* INCLUDING VALUE MAXIMIZATION TECHNOLOGIES AND INITIATIVES



 New generation of FPSOs with processing capacity from 180 to 225 Kbpd



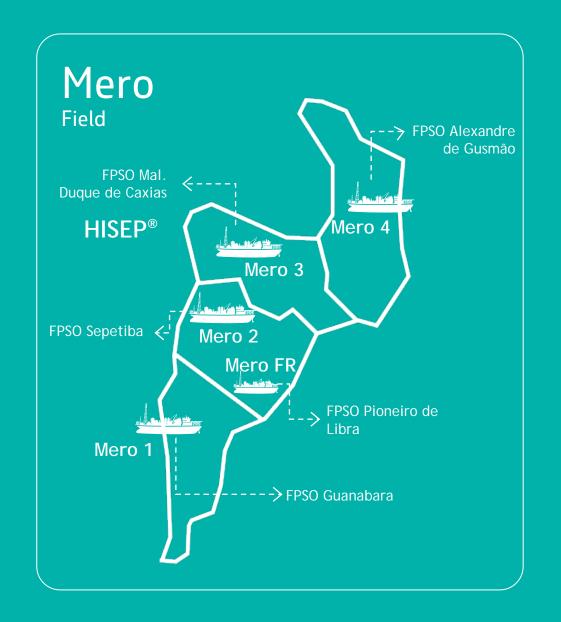
- 8" rigid lines higher productivity and injectivity
- New riser system configuration



- Alternate water and gas injection to recover oil trapped in the reservoir
- Intensive use of open hole intelligent completion

Installed Capacity (bpd)

2021 600K 2026 > 1,7MM



MERO, FIRST FIELD WITH HISEP® TECHNOLOGY

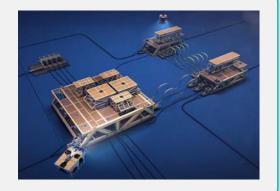
FPSO Guanabara

Final commissioning stage



HISEP®

Subsea High Pressure Separation System Technology will be deployed in Mero 3



WE ARE READY TO DEVELOP A NEW FRONTIER IN SERGIPE DEEP WATERS



PRODUCTION UNITS

- First FPSO bidding process in 2021 using BOT model (Build-Operate-Transfer)
- Development in ultra deep WD (>2.400 m)



INCREASE IN INSTALLED GAS FLOW CAPACITY AND S-10 DIESEL PRODUCTION





- Physical progress: >90%
- Operation start-up in 2022
- System capacity increased by 21 MM m³/d



PIPELINE TO EXPORT SEAP GAS

- Implementation of a new gas flow system with a capacity of 18 MM m³/d
- Project in the planning stage and expected to start operations beyond the 2022-2026 horizon



EMISSIONS REDUCTION: HDTs TO DIESEL S-10 PRODUCTION

- Adaptation in Reduc and Revap and a new unit in Replan
- Increase production capacity for S-10 diesel by 132 kbpd

STRATEGIC PLAN 2022 - 2026

RODRIGO COSTA

Chief Refining and Natural Gas Officer

WE STRENGTHENED OUR TRANSFORMATION STRATEGY



Operated assets focused on proximity to oil and gas supply and the consumer market



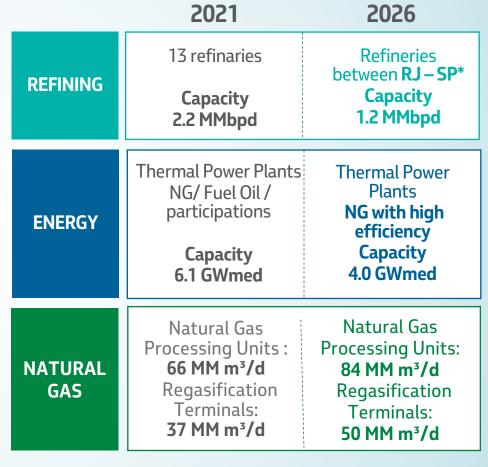
Focus on marketing our own gas and optimizing the thermoelectric portfolio



ACTIVE PORTFOLIO MANAGEMENT

ASSETS CLOSE TO THE SUPPLY OF OIL AND GAS AND THE CONSUMER MARKET





*New Divestment Process : REFAP, REPAR and RNEST

ENERGY AND OPERATIONAL EFFICIENCY REFTOP

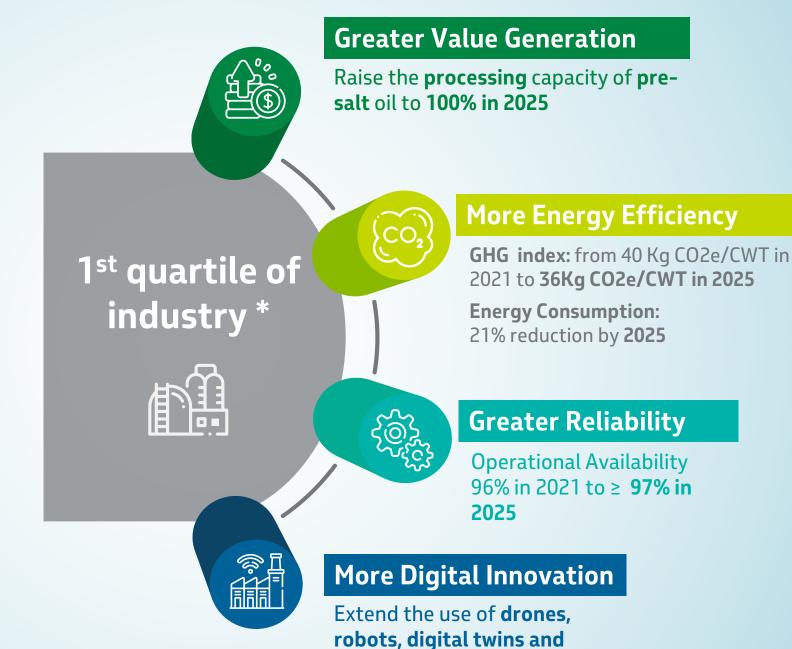
POSITIONING PETROBRAS

AMONG THE BEST REFINERS IN

THE WORLD IN EFFICIENCY AND

OPERATIONAL PERFORMANCE

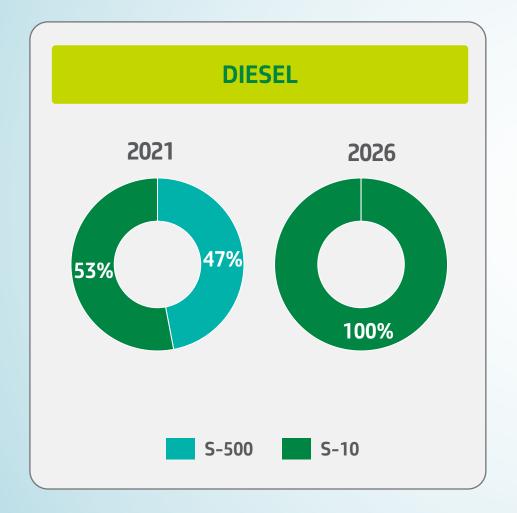




artificial intelligence

HIGHER QUALITY PRODUCTS

REPLACEMENT OF S-500 DIESEL BY S-10 AND GROUP I BASE OIL LUBRICANTS BY GROUP II





REFINING CAPACITY EXPANSION

GASLUB Cluster

Operational Integration REDUC-GASLUB

Base oil production for Group II lubricants: 12 Kbpd

Additional S-10 diesel and jet fuel capacity: 93 Kbpd

RNEST - Revamp and Train 2

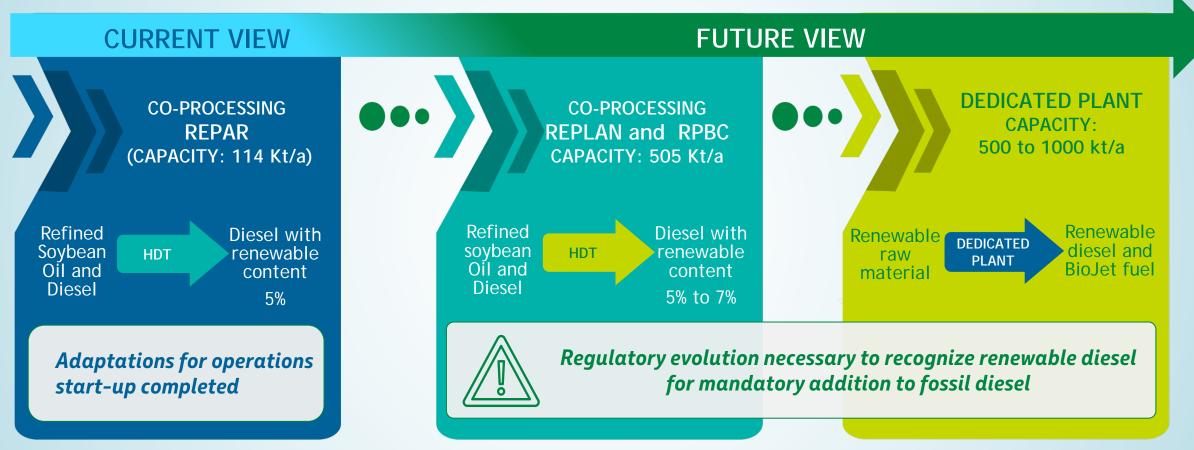
+ 145 Kbpd of oil Additional S-10 diesel capacity: 95 Kbpd

Diesel quality

New production unit at REPLAN
Adaptations in REDUC and REVAP
Additional S-10 diesel capacity: 132 Kbpd

SUSTAINABLE AND RESILIENT REFINING

OUR JOURNEY TO OILPRODUCTS OUTPUT WITH LOWER GHG EMISSIONS





WE REMAIN COMMITTED TO OPENING THE NATURAL GAS MARKET

Market Opening Actions

DIVESTMENT

- ✓ Divestment TAG
- ✓ Divestment NTS
- Divestment GASPETRO -Signing
- Divestment TBG e TSB -Binding Phase

ACCESS TO INFRASTRUCTURES

- No preference in infrastructure
- Indication of movement capacity
- Integrated flow system
- ✓ Integrated processing system
- Access to Guamaré

SUPPLY

- Reduction of gas purchase from Bolivia from 30 to 20 MM m³/d
- ✓ TRBA Leasing, 20 MM m³/d
- Reduction of gas purchases with the termination of contracts with partners/third parties

New forms of gas sales

- Diversification of contractual terms
- Introduction of new indexes in contracts
- Choice of products with more flexibility



Products suited to customer needs

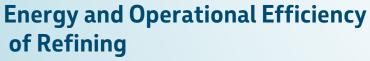
INVESTMENTS FOCUSED ON EFFICIENCY AND NEW PRODUCTS

REFINING, GAS AND ENERGY CAPEX 2022 - 2026

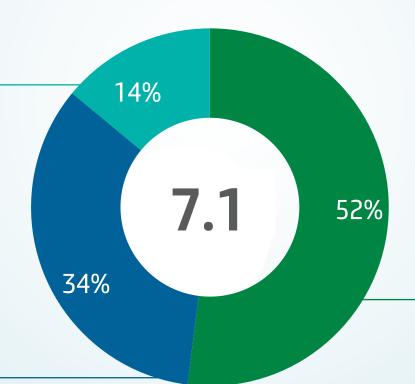
US\$ billion

Thermal Plant Modernization Route 3

G&E Scheduled Stoppages HSF



RefTOP
Refining Scheduled Stoppages
HSE



New Products and Refining Capacity Expansion

GASLUB cluster

RNEST: REVAMP and 2nd Train HDT: New Plant and Adaptations Biorefining: Renewable Diesel and

BioJet fuel

2022 – 2026 STRATEGIC PLAN

CLÁUDIO MASTELLA

Chief Trading and Logistics Officer





Part incre the s

Partnerships to increase efficiency in the supply chain

Digital transformation for greater agility



TRADING AND LOGISTICS MPETITIVE, SAFE AN Competitiveness in sales

Optimization in the use of owned and chartered assets



COMPETITIVE, SAFE AND EFFICIENT PERFORMANCE



Diversification of modes of transport

Focus on reducing emissions and carbon footprint



Development of new markets for oil and oil products

PETROBRAS PORTFOLIO

RESILIENT, WELL POSITIONED AND COMPETITIVE OPERATION

LOGISTICS INTEGRATING REFINING, OIL PRODUCTION AND MARKETS **SOUTHEAST AND CENTRAL WEST**

- Logistics connecting presalt and 5 refineries
- 6 waterway terminals
- 15 onshore terminals
- Pipeline system connecting oil production to refining and markets
- Refining cluster located in the most relevant market in the country







Expansion of the global customer portfolio through the development of new markets and increased competitiveness







PIPELINES

PETROBRAS PORTFOLIO

OPERATIONAL FLEXIBILITY BETWEEN OWNED AND CHARTERED ASSETS GENERATING COMPETITIVENESS IN THE GLOBAL MARKET



WE IMPROVED OUR PERFORMANCE

IN E&P LOGISTICS SUPPORT RELATIVE TO OTHER OIL AND GAS COMPANIES

2018 2021





Spotted opportunities were implemented and allowed for cost reduction and process efficiency



Advances in Petrobras' E&P **logistics** support **greater** than the industry average



Emissions Reduction

- Itinerary optimization and vessel speed control
- Hybrid vessels



Digital Transformation

- Drones for cargo transportation and environmental monitoring
- Process automation and systems integration



Operational Efficiency

Integrated view of demand, improving the sizing and allocation of resources

WE ARE REMOVING LOGISTIC BOTTLENECKS AND IMPROVING THE SAFETY AND EFFICIENCY OF OUR OPERATIONS

Investment in pipelines and terminals



Investments in increased capacity and operational flexibility



Competitiveness in owned terminals



Implementation of dolphins to increase oil transshipment capacity in owned terminals, generating greater flexibility and lower cost per operation



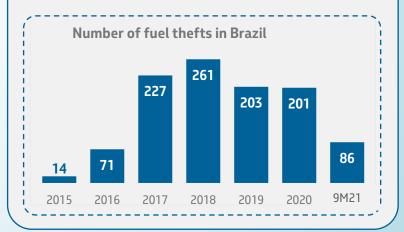
Reduction of clandestine tappings



50% reduction in thefts between 3Q20 and 3Q21



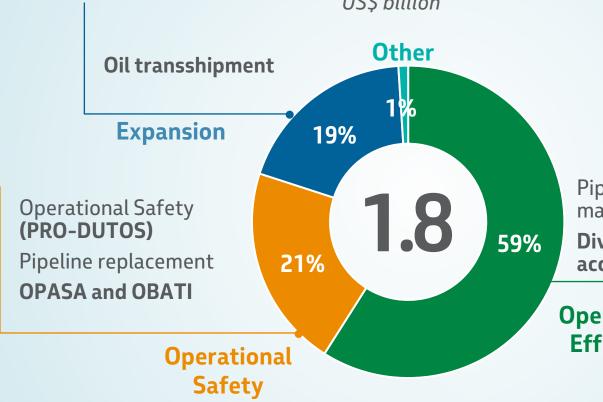
Cooperation with public authorities seeking to mitigate risks to life, the environment and to supply



INVESTMENTS IN TRADING AND LOGISTICS

T&L CAPEX 2022-26*

US\$ billion



Pipelines and terminals maintenence

Diversification of modes to access new markets

Operational Efficiency

^{*} Post divestment

SANTOS TERMINAL



Essential terminal for the flow of products from the four refineries in São Paulo



Strategic location close to the most dynamic oil products markets in the country



Results

- Auction held on 11/19/2021
- Winning offer (larger area) in the amount of R\$ 558.2 million

Commitments/
Estimated Investments*

R\$ 625.7 million

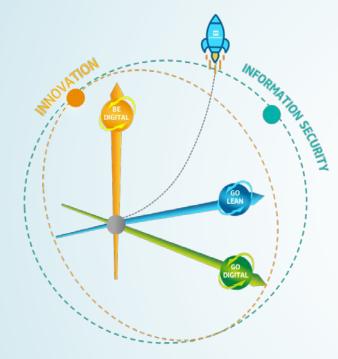
2022 – 2026 STRATEGIC PLAN

NICOLÁS SIMONE

Chief Digital Transformation and Innovation Officer

DIGITAL TRANSFORMATION AND INNOVATION STRATEGY

US\$1.6 BILLION INVESTMENT



EXPECTED RESULTS FOR THE 2022 – 2026 HORIZON

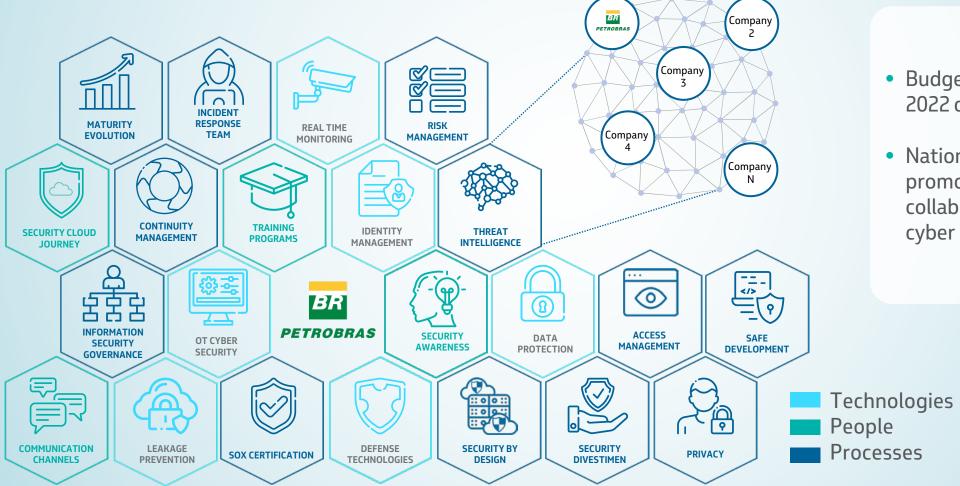
- Superior to 120 PFLOPS Rpeak of HPC in 2025
- 80% Processes digitized by 2026, focusing on process robotization
- More than 1200 Agile Teams in 2026
- More than 1200 active patents in 2025
- More than 25k Employees trained and re-qualified in digital by 2026



PROTAGONISM AND PROACTIVENESS IN TECHNOLOGICAL PROTECTION

BOOSTING INFORMATION SECURITY

CKN - Cybersecurity Knowledge Network



- Budget 7 times higher in 2022 compared to 2019
- National protagonism in promoting the collaboration network in cyber defense - CKN

DIGITAL TRANSFORMATION AND INNOVATION IN BUSINESS

EXPLORATION & PRODUCTION



- Pre-salt connectivity (Optical Mesh
 + 5G LTE + Medium Earth Orbit)
- From *HPC to Quantic Computing for Seismic Imaging and Reservoir Simulations
- Use of AI to reduce exploratory risk
- AUV**** for surveillance and seismic
- High Reliability Flowlines and Wells
- O&G Subsea Processing Systems and Autonomous Subsea Injectors
- FPSO All Electric and NUF**

REFINING



- Advanced Digital Twins with Al
- Massive use of Al, focusing on efficiency and operational safety
- BioJet and Biodiesel production Technologies
- Conversion, energy efficiency, and operational availability improvement technologies

G&E



- Natural Gas processing efficiency improvement technologies
- Al use in maintenance and operation processes
- Low-emission electric power generation technologies
- Optimization and digitization of the Gas processing chain allowing access to new business models

TRADING AND LOGISTICS



- CRM Platform for Trading and G&E
- Predictive Analytics (AI) for products logistics
- Implementation of connectivity LTE *** 4G/5G for warehouses and ports
- Marine BioFuels

*HPC = High Performance Computing

**NUF = Normally Unattended Facilities

***LTE = Long Term Evolution (4G/5G)

****AUV = Autonomous Underwater Vehicle

DOUBLE RESILIENCE

EFFICIENCY

COMPETITIVENESS

DIGITAL TRANSFORMATION AND INNOVATION IN THE CORPORATE AREA

Automation and Digitalization

- Machine Learning with automated supply chain
- Automated and intelligent supply chain
- Automation, digitalization and integration of corporate services focused on user experience
- Automation of internal controls for greater compliance and efficiency

Integration of New Technology Platforms

- Migration to SAP S/4 HANA
- Use of cloud platforms to accelerate digital transformation (CloudFirst)
- Corporate LABs and accelerators focused on efficiency, safety and innovation (Corporate Lab, Safety Lab e Cyber Secutiry Lab)

AI - Analytics

- Massive use of Al in corporate processes: Legal, SMS, Accounting, Tax, Governance, Procurement, Audit, Ombudsman and Compliance
- Use of Blockchain in the Financial Area and Logistics Chain

New Models of Work and Agility

- Agile at scale (growing 250 agile teams per year)
- Lean and Agile mindset in engineering projects
- Apps and IoT for Smart Office optimizing building occupancy
- Adoption of Smart Building concept, with a focus on sustainability

Migration to the cloud with a reduction, by 2024, of more than 40% of the applications portfolio





INVESTING RESPONSIBLY

VALUE CREATION • ENVIRONMENT • SOCIAL • GOVERNANCE