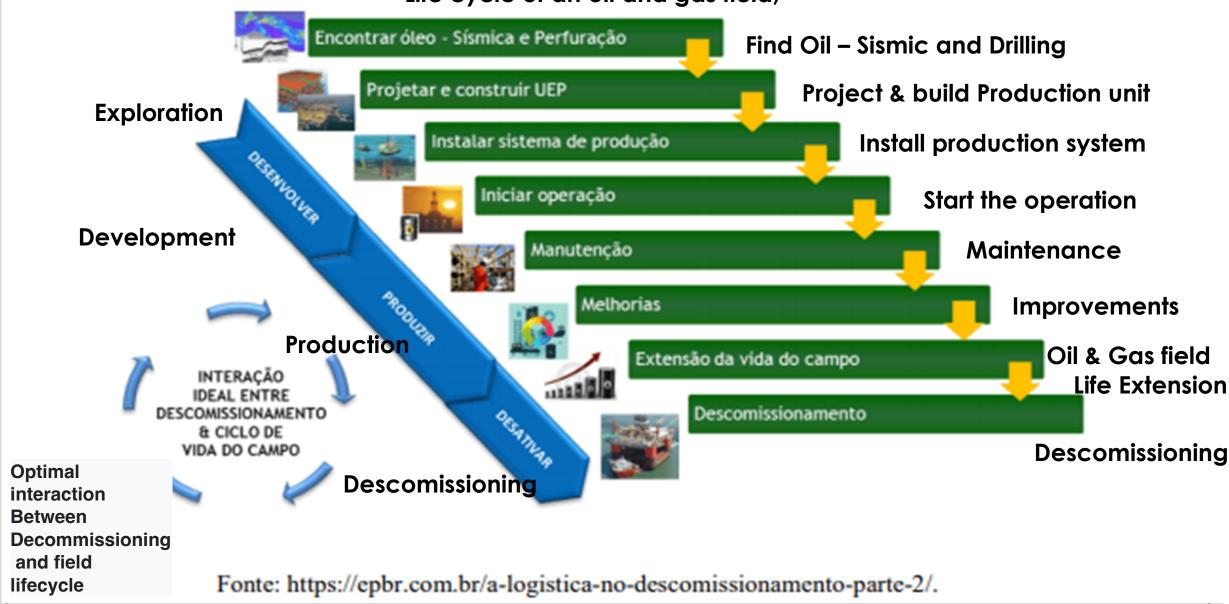


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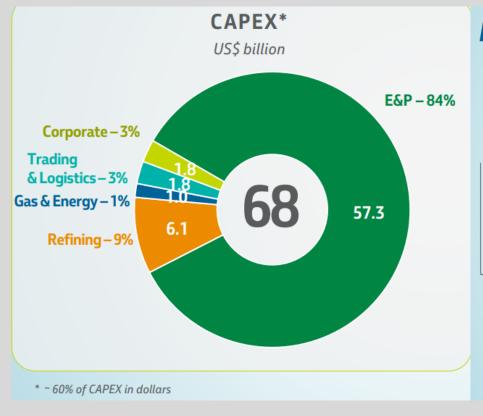
- Life cycle of an oil and gas field;
- Petrobras investment in the coming years;
- What is Decommissioning;
- Decommissioning Market;
- Energy Transition, ESG;
- What are O&G companies doing for the energy transition?
- Final Remarks;

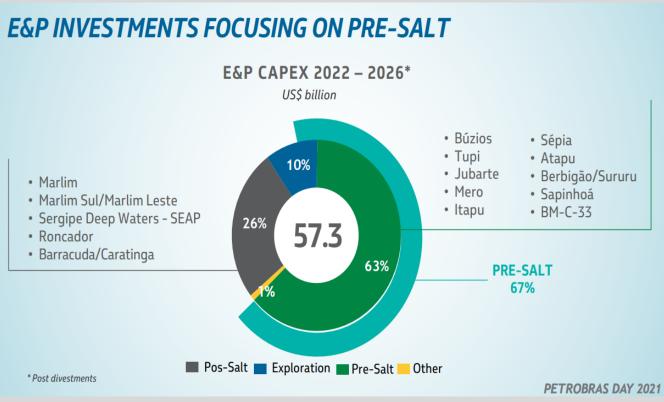
Figura 1: Ciclo de vida de um campo de petróleo e gás Life cycle of an oil and gas field;



PETROBRAS investments in the coming years

Source: PETROBRAS Strategic Plan 2022-2026



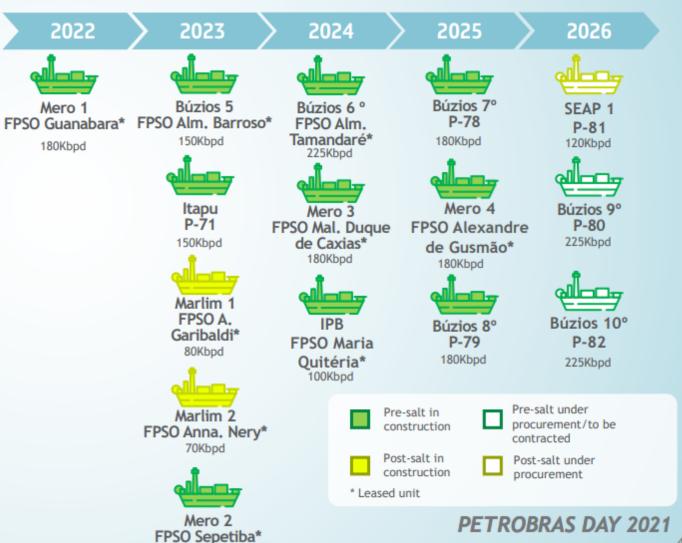


Integrado Parque das Baleias Marlim Búzios Campos Basin Mero Itapu SE Basin

LEADER IN FPSO PROJECTS

180Mbpd

15 NEW FPSOs IN 6 FIELDS: 2022 - 2026



WHAT IS DECOMMISSIONING?

After human intervention in the environment, to produce natural resources, or with other purposes or objectives, once its objectives have been fulfilled, make efforts so that the intervention carried out returns the environment to the initial condition or even in a better condition.



Investment estimated

2020 a 2024

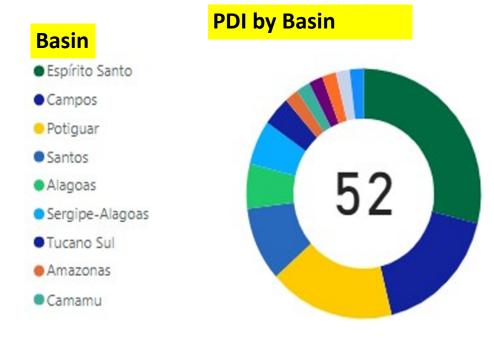
	Wells	R\$ 16.297.810,00
	Equipment Withdrawal	R\$ 8.710.752,00
(A)	Area Recovery	R\$ 497.140,00
	Others	R\$ 567.063,00

~R\$ 26 Billions



Considering: US\$1.00 = R\$5,20 R\$26 Billions = US\$ 5 Billions

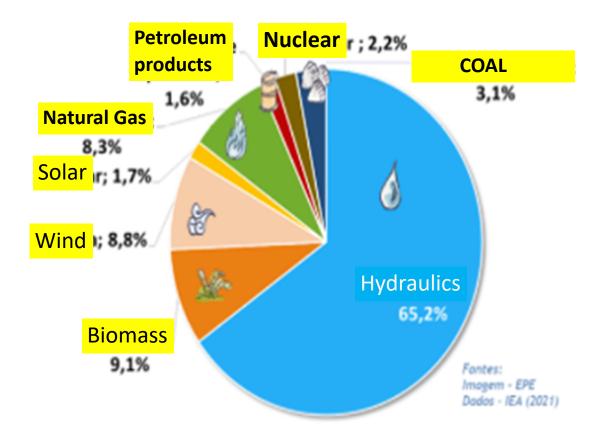
Assets with green light from ANP



More about ANP-PDIs approved assets

- Of the 52 assets with PDIs already approved, 20 of them are maritime. They integrate 6 basins: Camamu, Campos, Espirito Santos, Potiguar, Santos e Sergipe-Alagoas;
- Of the basins with PDIs released, Campos leads with 9 of the 20 assets. In second place comes Santos, with 5, followed by Potiguar (3), Camamu, Espirito Santos, and Sergipe-Alagoas have one asset released each.
- Finally, in the terrestrial environment, 32 PDIs are approved;
- Where are these assets about to be decommissioned? They are in 10 basins: Alagoas, Amazon, Espirito Santos, Mucuri, Parnaiba, Potiguar, Reconcavo, Sergipe, Sergipe-Alagoas and Tucano Sul;
- Espirito Santos leads the ranking of basins with the most approved terrestrial PDIs, with 14 of them;
- The second place is occupied by the Potiguar basin(6), followed by Alagoas(3), Sergipe-Alagoas (2) and Tucano Sul (2);
- Amazonas, Mucuri, Parnaiba, Reconcavo, Sergipe each have one approved PDI.

Energy Transition, ESG





Shell

More energy, less carbon. In recent days, Shell and **Gerdau** have formed a joint venture to develop and build a solar park in Minas Gerais next year. With the partnership, Shell takes another important step in its decarbonization purpose with the generation and commercialization of clean energy. Learn more: https://lnkd.in/dptM9s2Q

#EnergiaSolar #EnergiaRenovável #TransiçãoEnergética #Gerdau

Image description of **#PraCegoVer**: during the day, we see a person in a red jumpsuit and helmet inspects a solar park.



What are O&G companies doing for the energy transition?

- Reduction of CO2 emissions in production processes;
- Projects with greater energy efficiency;
- Improvement of products with reduced sulfur content;
- Use of Artificial Intelligence in the process to reduce energy consumption and lower greenhouse gas emissions;
- Investing in new technologies that will help make the energy transition smoother;

Final Remarks

- Decommissioning opened new business areas and investment opportunities;
- Brazil continues to invest in the Oil & Gas sector;
- Brazil has many opportunities;
- There is an infinity of areas for Investments;
- Some states in Brazil are creating poles for the production of alternative energy;
- We will still live a long time with different sources of energy!

