

MARITIME INDUSTRIES CONNECTIONS BRAZIL OFFSHORE ENERGY SECTOR

Roundtable Business Meeting
Brazilian Shipyard Map



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Investments of SP in the period 2024-2028

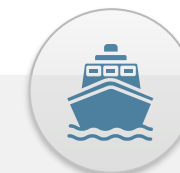
Portfolio under implementation

Petrobras Strategic Plan (SP) with 14 oil platforms

Evaluation of 7 more platforms in fields already in production (post SP)

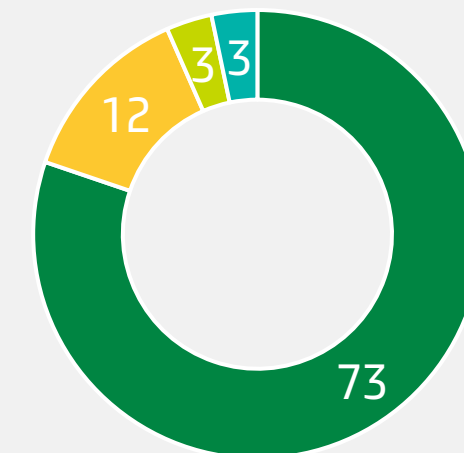
38 maritime support vessels

Sustainable disposal of 23 platforms by 2028 and another 40 after that



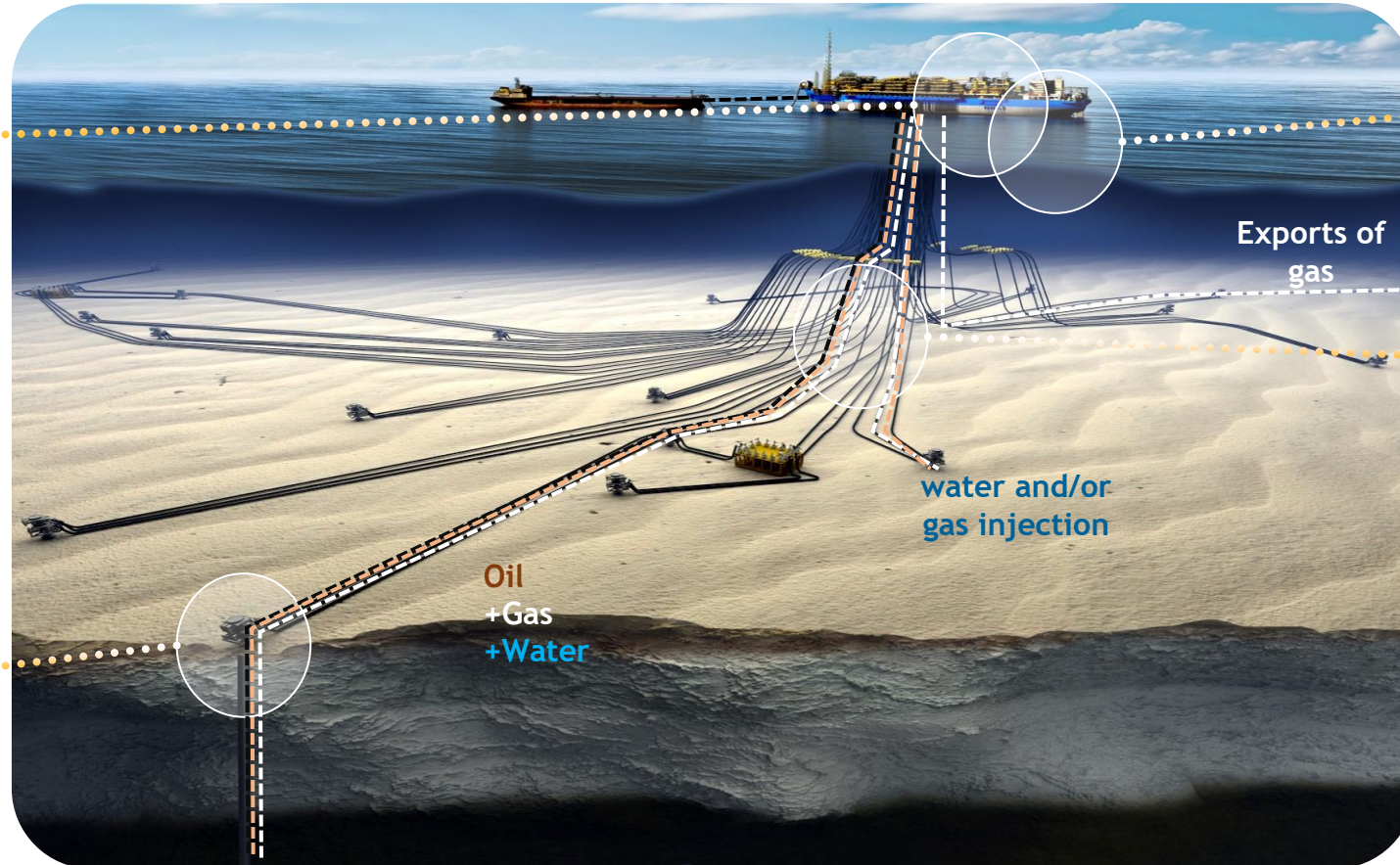
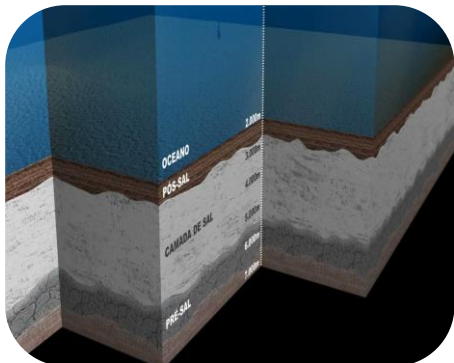
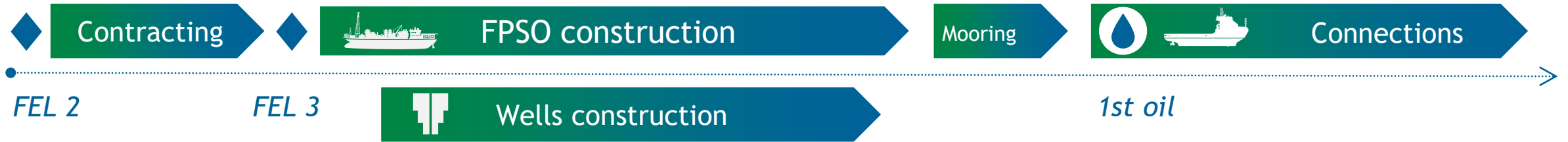
73 US\$ billions

Includes investments in the shipbuilding industry

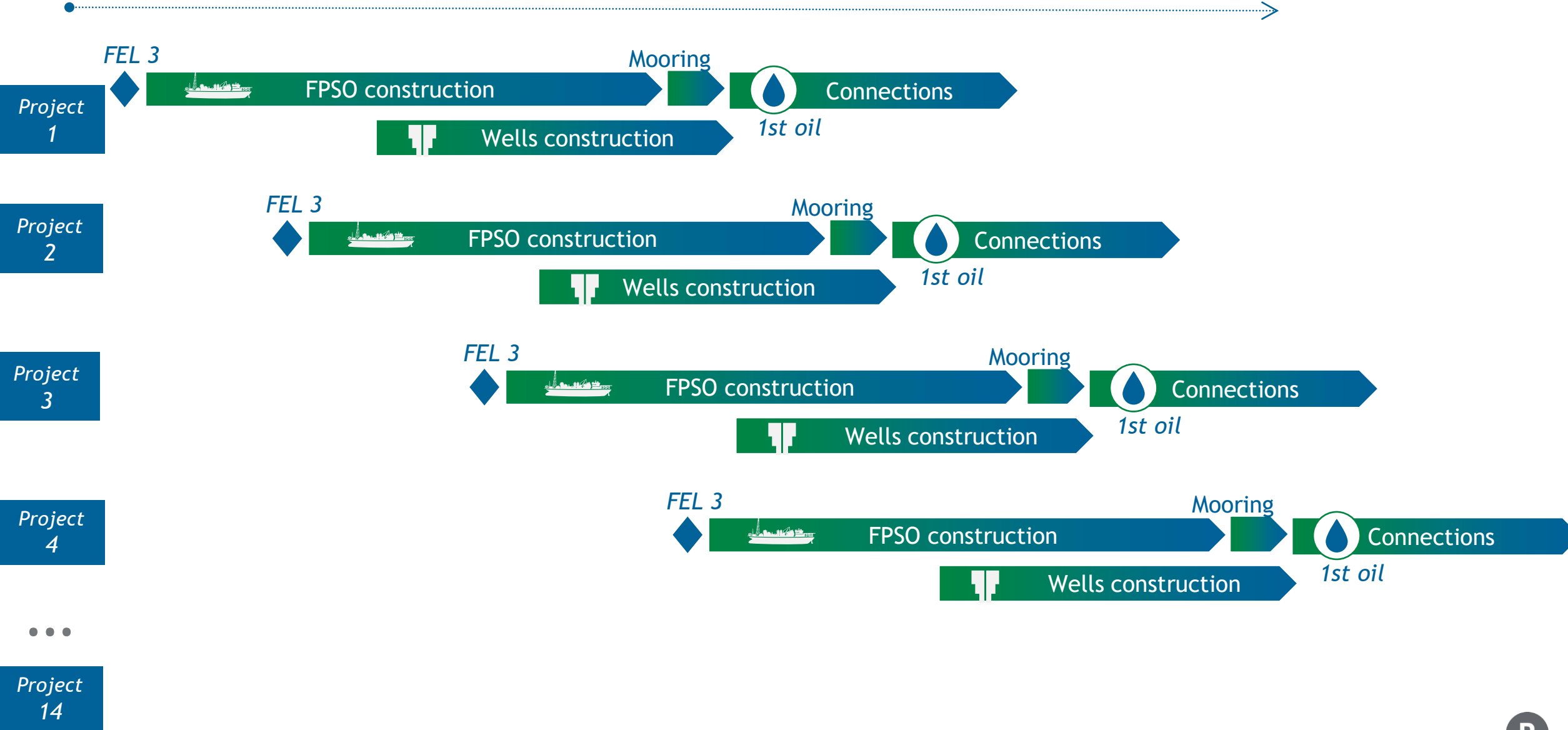


■ Exploration & Production

Typical Petrobras Offshore Production Development Project



Complex correlation between critical resources and projects



Demand of 14 FPSOs for the period 2024-2028

* Chartered units

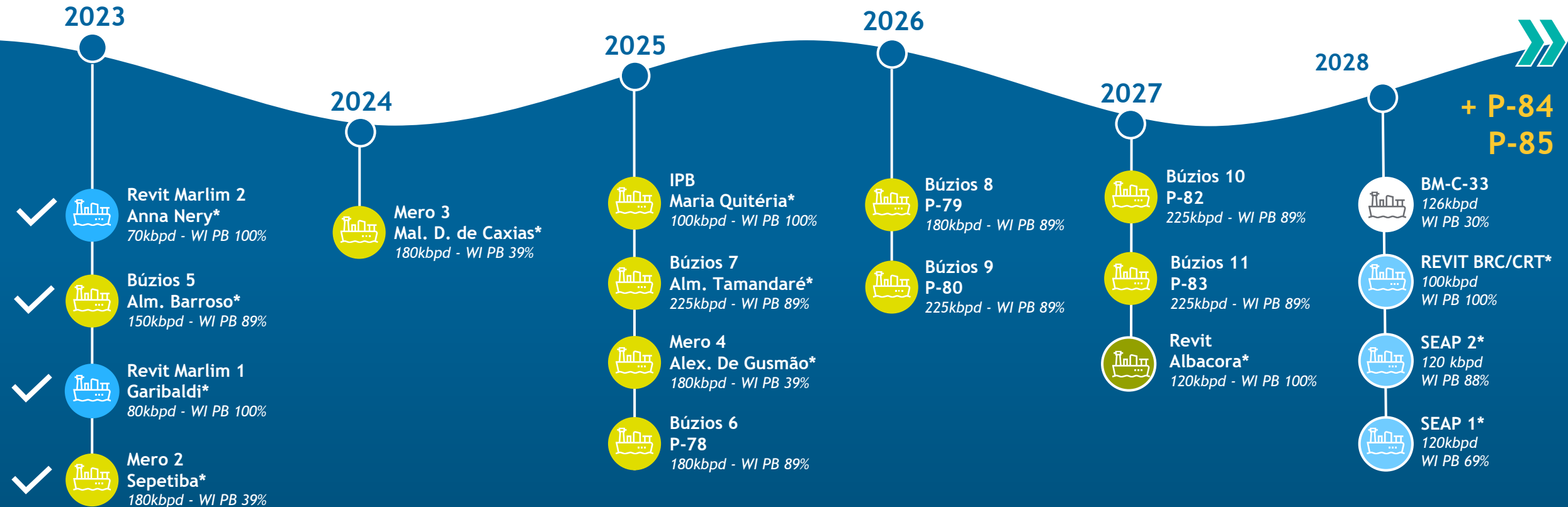
● Pre-salt implemented/under implementation

● Post-salt implemented

● Pre-salt under contract

● Post-salt under contract

○ Not operated



+ P-84
P-85

7 more platforms under study to fields under operation, starting after 2028

Future FPSOs - More Predictability

2029	2030	2031	2032

Bidding
approximately 4
to 5 years before
first oil

*Access to Petrobras
 Supplier Portal*

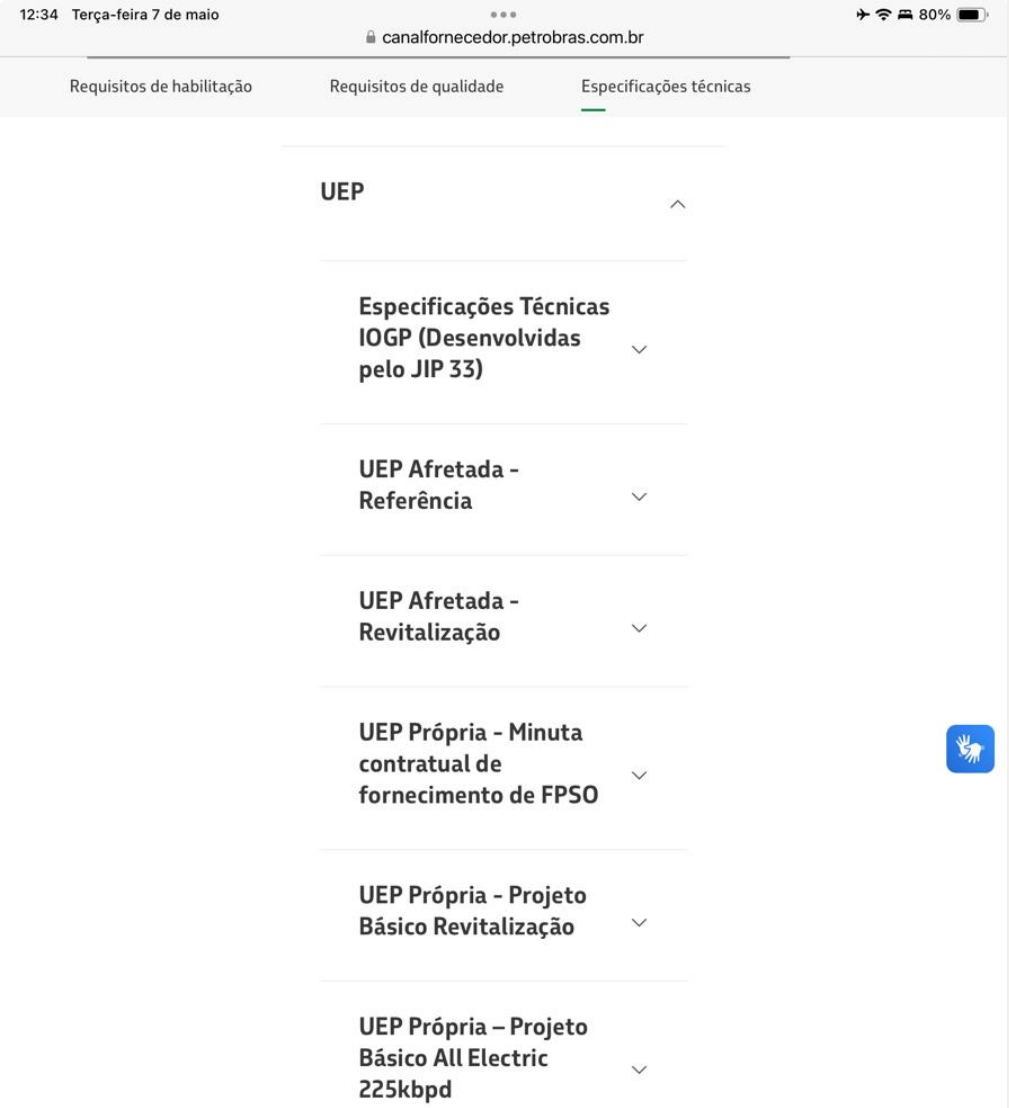


- *A new FPSO with combined cycle power generation system for the Revitalization of Marlim Sul and Marlim Leste under study*
- *Bidding is planned to begin in the 2H2024*
- *Pre bidding documentation and some engineering documents were made available on the Supplier Portal*

Future FPSOs - More Predictability



Pre bidding documentation and engineering documents



Access to Petrobras
Supplier Portal



Demand up to 38 support vessels for our maritime operations

PSV - Platform Supply Vessel



12 PSVs, published on 03/04/2024
(receipt of proposals 02/08/2024)

RSV - Remotelly Support Vessel



16 RSVs, expected start of
contracting in 1Q25 and 1Q26

OSRV - Oil Spill Response Vessel



10 OSRVs, expected expected
start of contracting **in 2024**

3rd PROREFAM - 2009 to 2014

PSV, OSRV e AHTS

73 delivered vessels

3 to 4 Years of construction

8 Years of contract

CURRENT PROCESS *

PSV, OSRV e RSV

38 units

4 years

8 to 10 years of contract

The planned demand represents around 50% of what was delivered by the 3rd Fleet Renewal Program (PROREFAM) between 2009 and 2014

* Conditions that could make it possible to build new vessels in Brazil

Actions in FPSO Financing



Cash flow: revision underway for more neutral cash flow reference for contractors



Association : Consortia associations are being studied in order to increase the processes competitiveness



China Workshop : held on March 25th and 26th 2024 with banks and leasing FPSO companies in Beijing to promote Petrobras' portfolio. Attended by CDB, BNDES, Sinasure, Clai Fund, China Merchant Financial Leasing



Merchant Marine Fund: Approval on 23/03/2024 of the fund resources to prioritize the SEAP 1 and 2 project with around R\$ 8,56 billion



Anticipation: 10% advance payment used for own FPSOs and increase in advance payment for chartered FPSOs

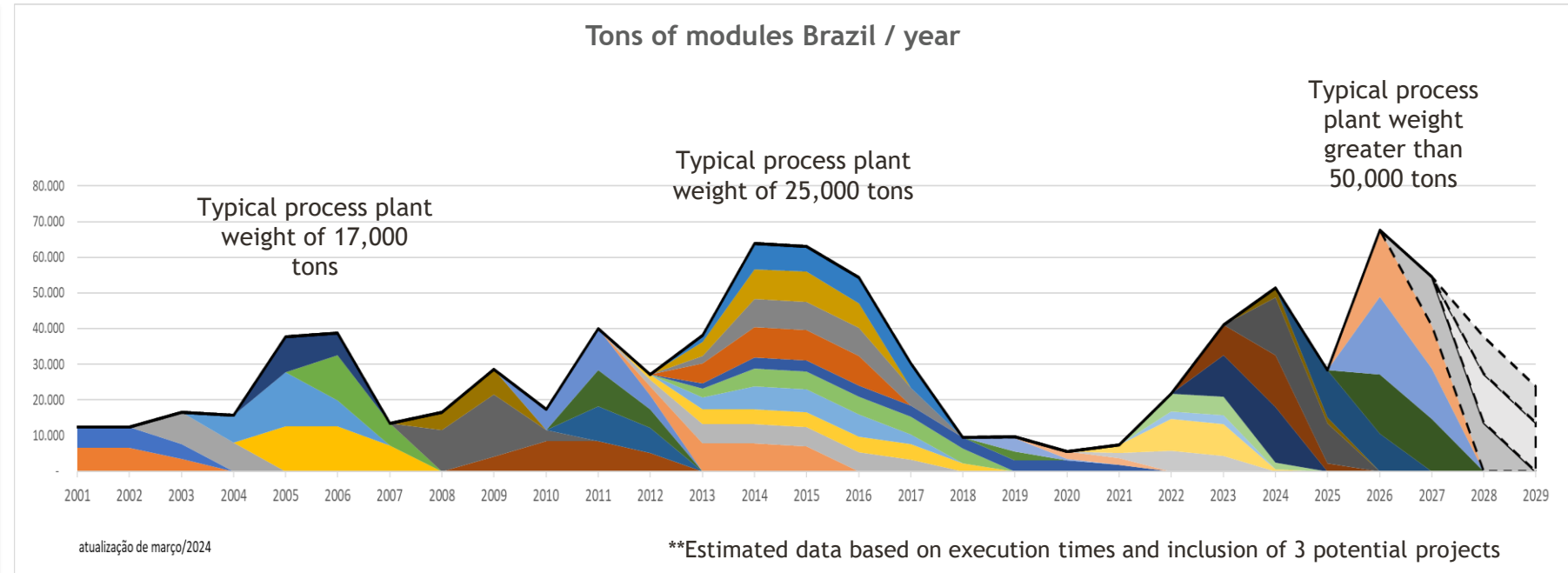


Guarantees: acceptance of Guarantee Insurance for own FPSOs implemented; review of guarantees for advance payment on chartered FPSOs under going

The shipbuilding industry is undergoing a recovery process, but it faces significant challenges

✓ Highlights:

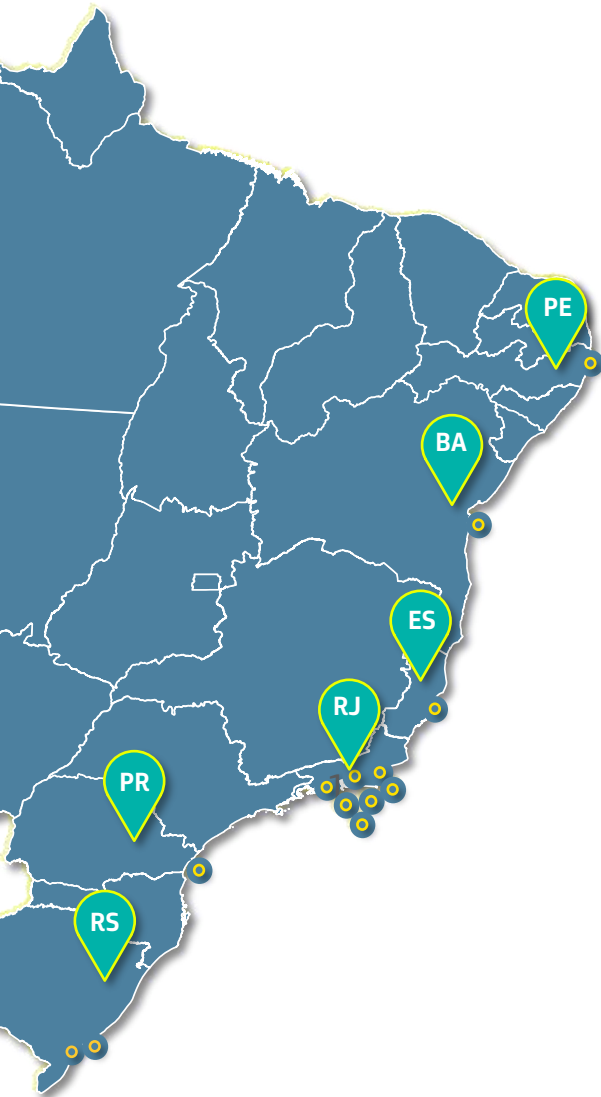
- Demand for larger and **more complex platforms**
- Shipyards went through a critical period with low demand. **Need to strengthen active shipyards and develop new ones** for the construction of modules for oil platforms



Estimate for P-84 and P-85

- Estimate of **50,000 tons of modules** to be made in Brazilian shipyards
- Heating up the entire associated supply chain

Increase from 3 to 9 potential shipyards for building platform modules



Petrobras has evaluated active and potential national shipyards, seeking to identify their service capacity and development needs



IBP: seminars to launch the Map of Shipyards in Brazil: encouraging the creation of partnerships between FPSO suppliers (04/18/2024)



FPSO Almirante Tamandaré modules by EBR



First plate cut for P-79 at Metasa



FPSO Live with Suppliers on 02/22/2024: Presentations of Petrobras' medium-term portfolio to engage the supplier market with 86 participating suppliers



First plate cut for the P-80 at BrasFELS



Manufacture of P-80 modules