



Offshore Technology Conference 2021

16-19 AUGUST 2021 » NRG PARK » HOUSTON, TEXAS, USA



OTC-30687-MS

BÚZIOS

THE LARGEST ULTRA-DEEPWATER OIL FIELD TO DATE

Marcio Kahn



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THE LARGEST
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OILFIELD TO DATE

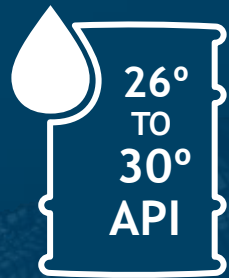
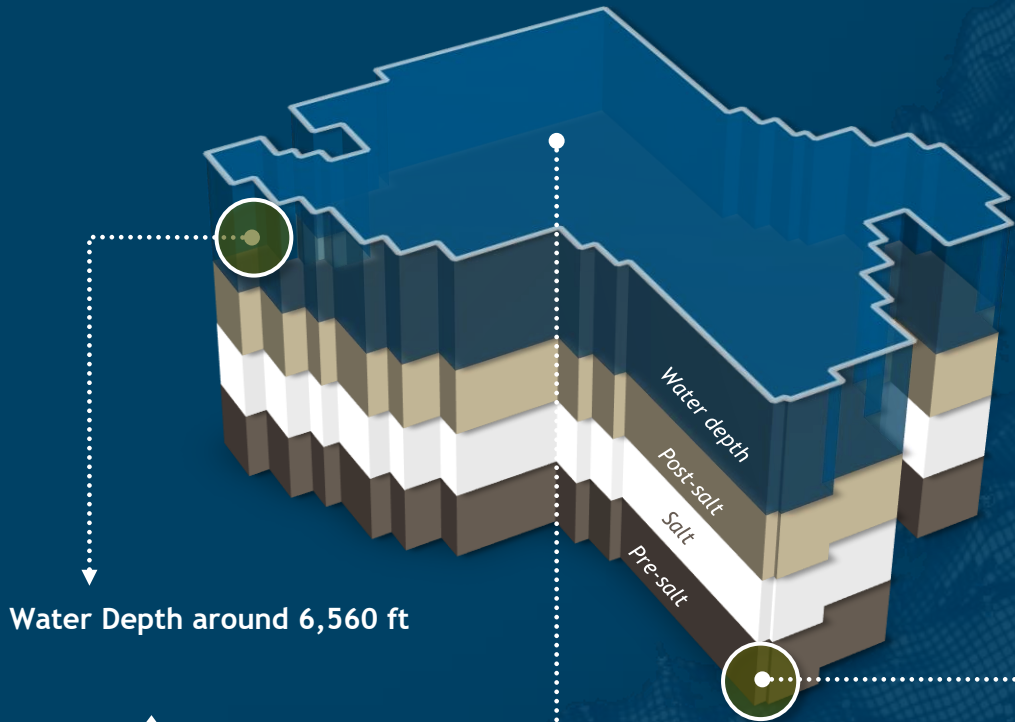


HYBRID 2021



The Supergiant Búzios Field

Great oil quality and substantial reserves



Oil Volume

Largest Deep Water Field volume in the World
Petrobras' largest volume field



Oil Reservoir Thickness

Up to 1,570 ft

Comparable to the height of the Empire State Building (1,454 ft)



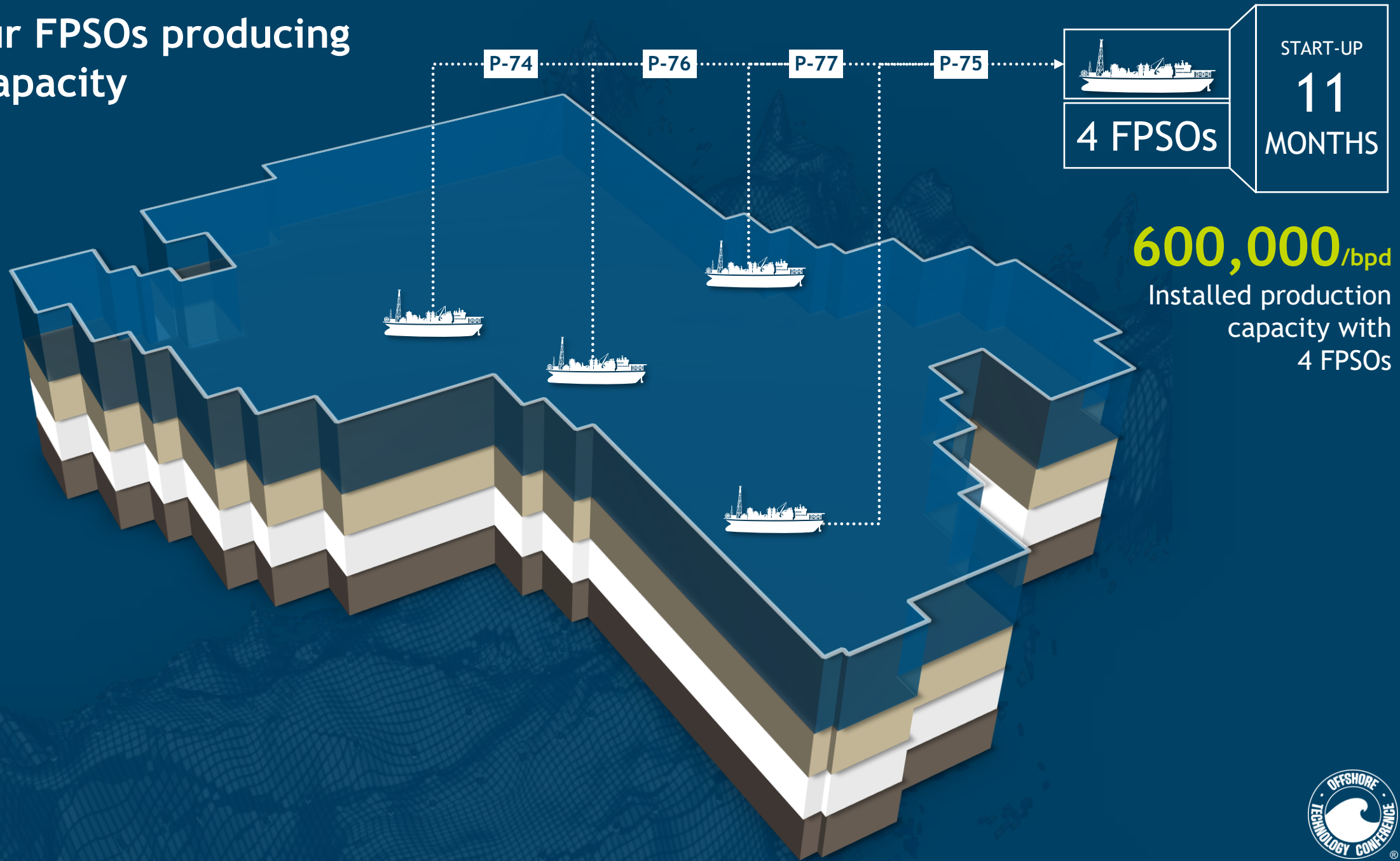
Area 210.000 acres

Larger than New York City (194,000 acres)

115 thousand soccer fields



First four FPSOs producing at full capacity

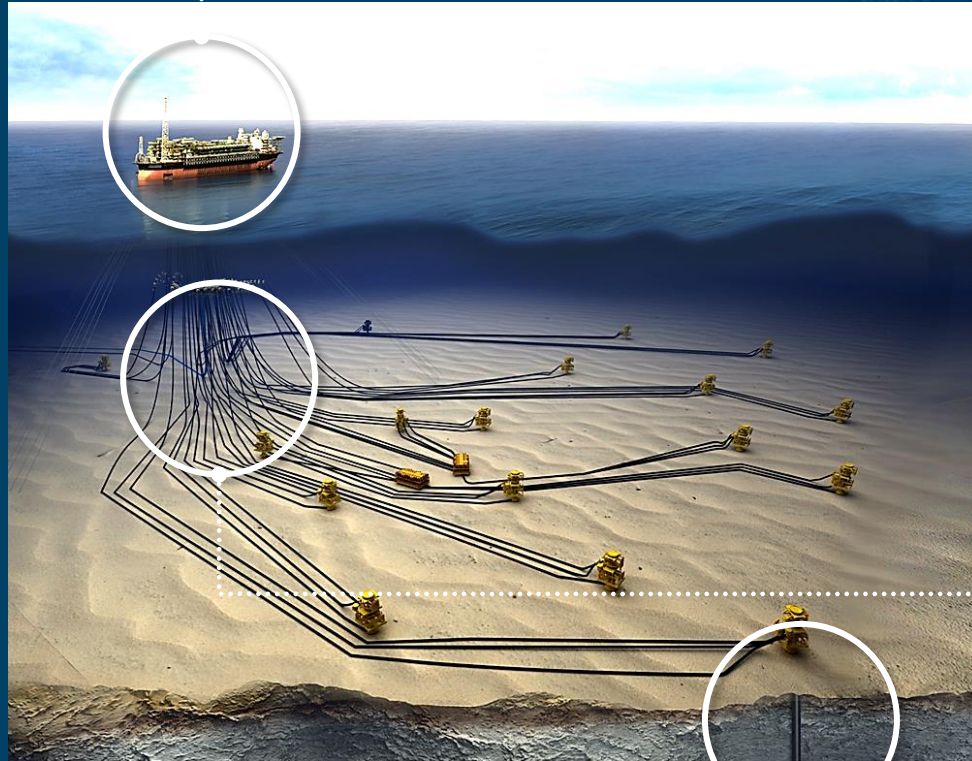


START-UP
11
MONTHS

4 FPSOs

600,000/bpd
Installed production capacity with 4 FPSOs

Challenges Overcome



4 units online

Installed in 11 months (P-74|P-75|P-76|P-77)



77 Thousand tons

420x Boeing 747 Weight



Higher degree of operational complexity

H2S and CO2 Removal Plants



340 miles of installed risers, flowlines and umbilicals

Equivalent to Los Angeles to San Francisco distance

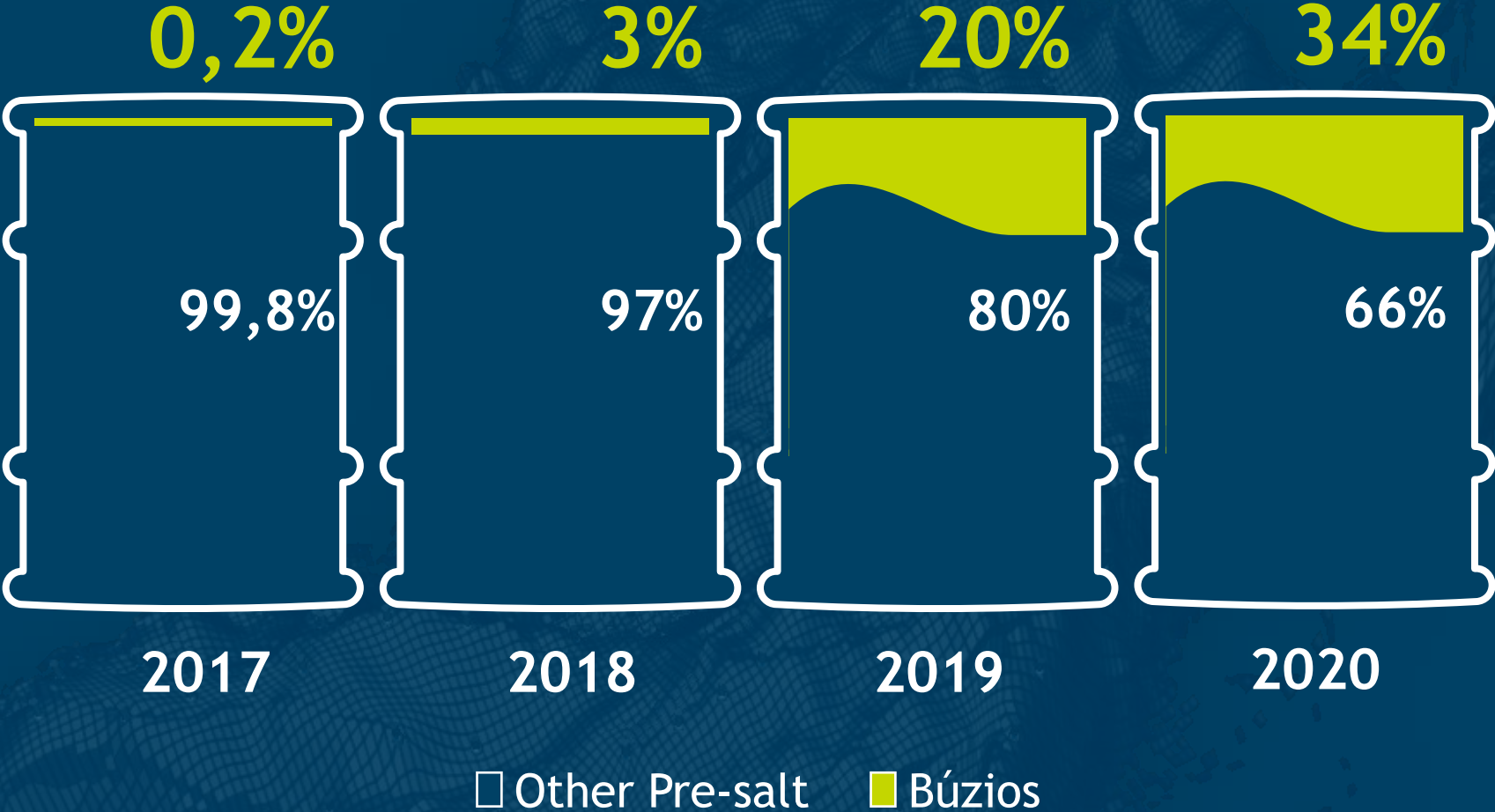


45 Completed Wells

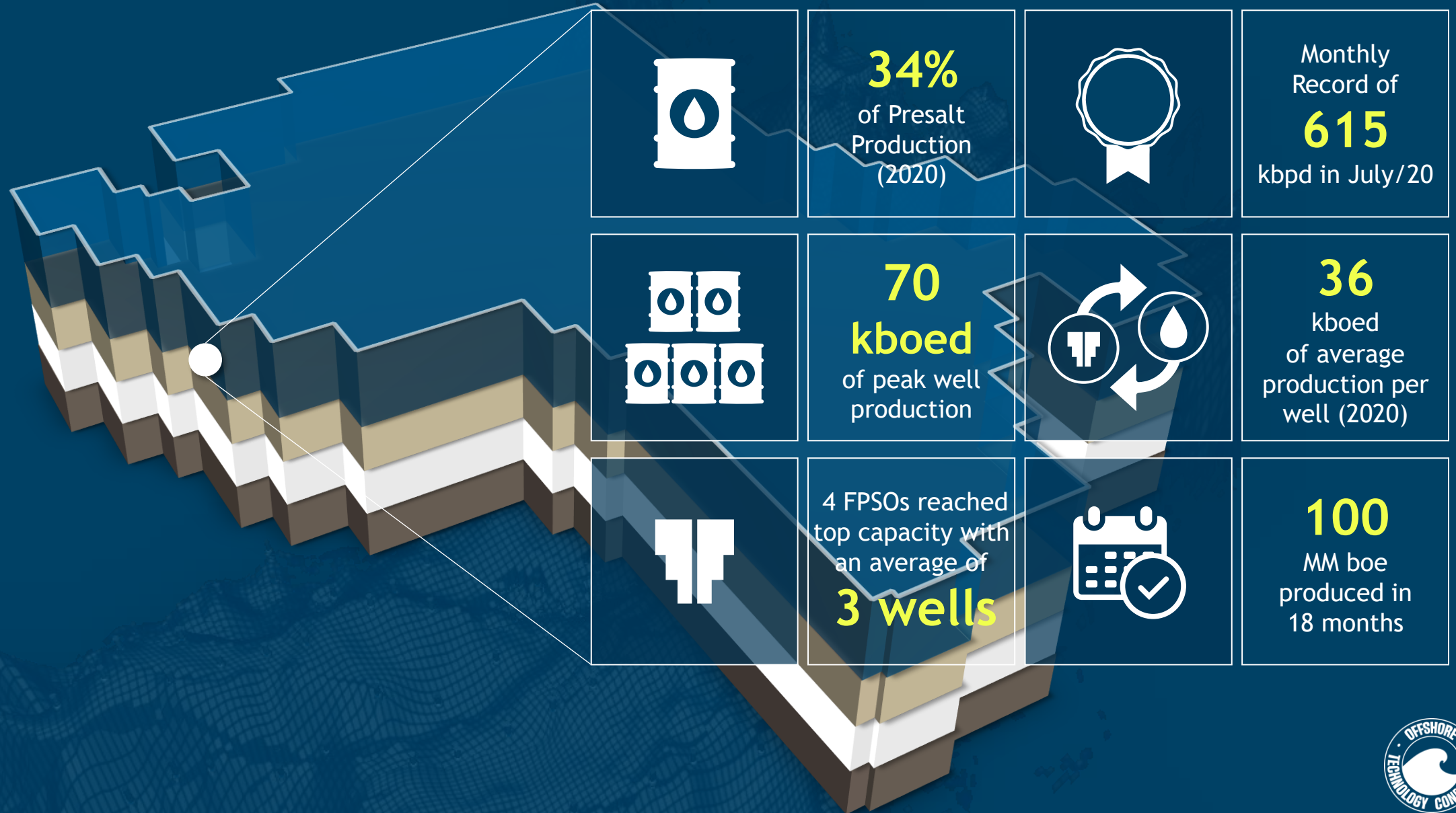
105 miles drilled, equivalent to the distance from Los Angeles to San Diego



Quick increase in the relevance of Búzios in Petrobras pre-salt production



Highlights





A Challenging Environment

Fluids with high level of contaminants

Reservoir with high temperature and high pressure

Heterogeneous rocks

Rugged seabed

Salt layer thickness ~6,000 ft

Total depth ~20,000 ft

CAPEX and OPEX reduction



More complex production systems

Developed innovative technologies



PIONEERING TECHNOLOGIES APPLIED IN THE
DEVELOPMENT OF THE BÚZIOS FIELD PRODUCTION,
IN THE PRE-SALT OF THE SANTOS BASIN

**“Distinguished Achievement Award for Companies,
Organizations, and Institutions”
OTC, 2020**



Búzios

- Under production
- Under construction
- Under procurement
- Planning phase



4 FPSOs

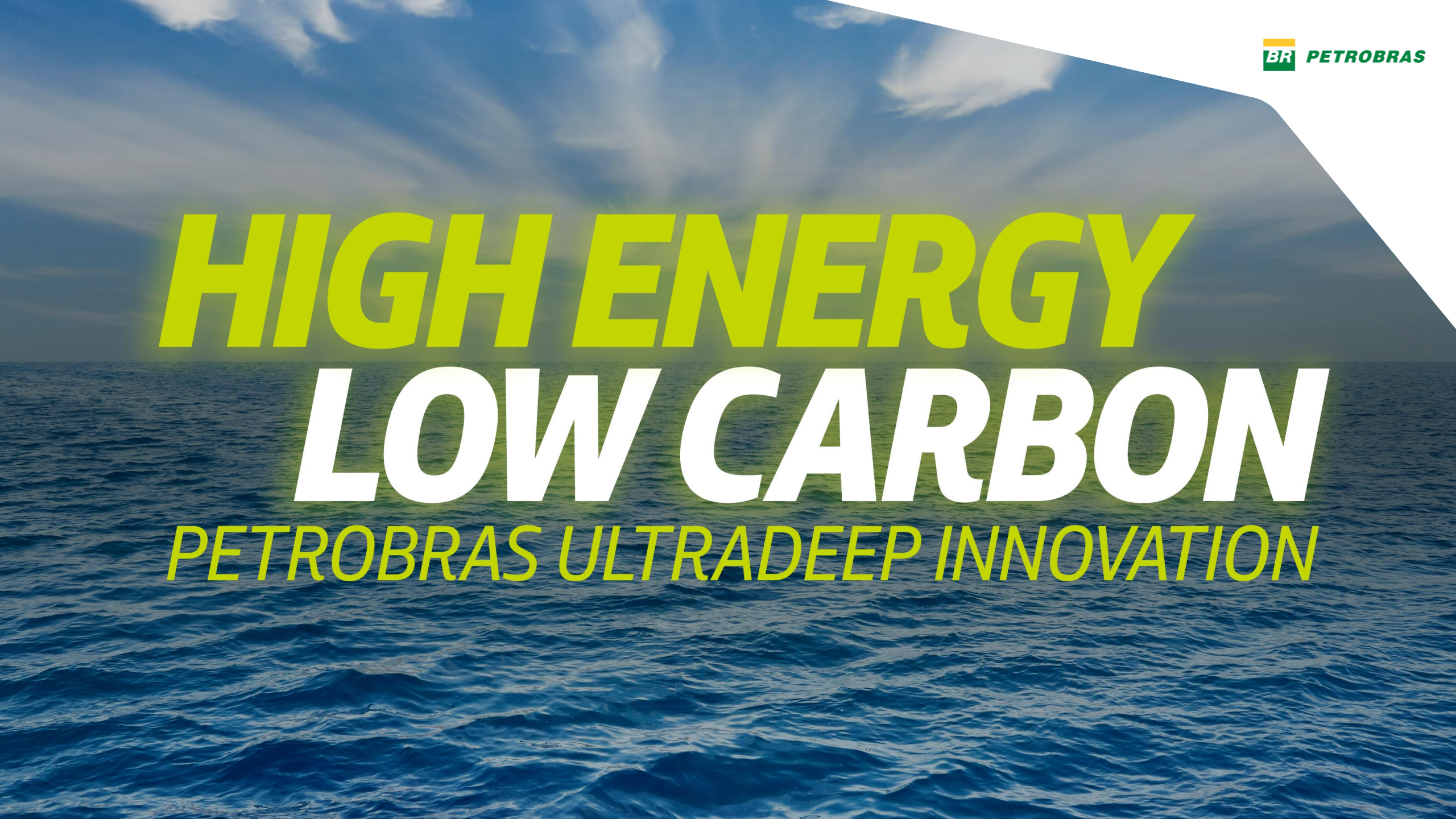
Up to 8 new FPSOs <10 YEARS

More than **2.0** MM bpd Installed production capacity with Up to 12 FPSOs

36% Production participation in relation to Pre-salt in 2025

Petrobras E&P Investments 2021 - 2025 **US\$ 46.5 billion**

 **Búzios US\$ 17 billion**

The background of the slide is a photograph of a vast blue ocean with white-capped waves under a bright blue sky with scattered white clouds. The text is overlaid on this scene.

HIGH ENERGY
LOW CARBON
PETROBRAS ULTRADEEP INNOVATION



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Acknowledgements / Thank You / Questions

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