



Offshore Technology Conference 2021

3-6 MAY 2021 » NRG PARK » HOUSTON, TEXAS, USA » #OTC2021



Covid-19 Impacts, Mitigation and Learning: The Brazilian Regulator Experience

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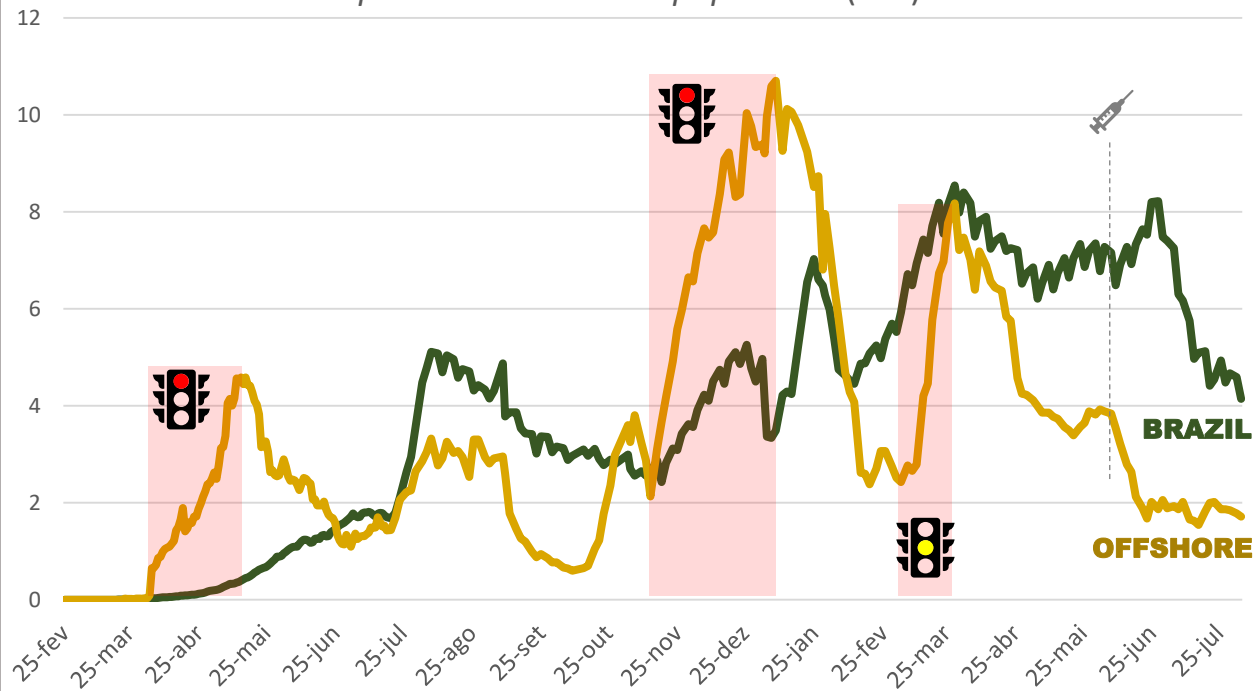
Interim Director



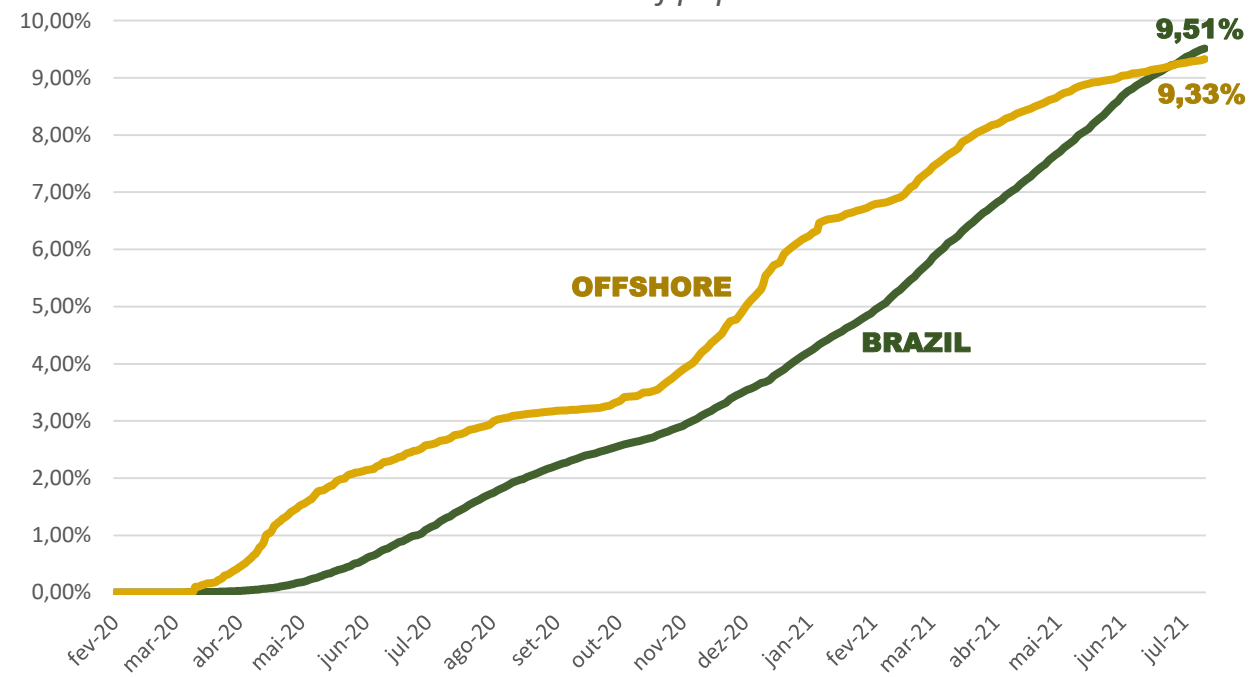
The Brazilian Scenario

Civilian Population vs. Offshore Workers

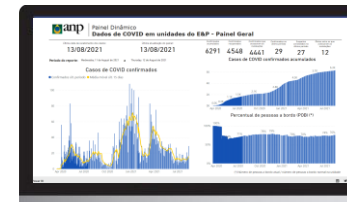
Confirmed COVID-19 Cases
per 10.000 standard population (MA)



Total Positive COVID-19 Cases
% of population



Offshore E&P Brazil: Dynamic Panel



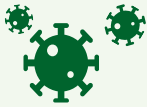
COVID-19 Learning & Monitoring: A Joint Effort between industry and public authorities: ANP (Oil & Gas Regulator), ANVISA (Health Regulatory Agency), DPC/MB (Maritime Authority), SRTE (Labour/Employment Directorate) and MPT (Public Prosecutor's Office for Labour)

Considerations for the Debate

Impacts, Mitigation and Lessons Learned



Supply/demand imbalance hibernated 77 installations offshore Brazil in 2020. **6 units halted operations due to COVID-19 outbreaks;**



Safety barriers failures led to **hyperlocal outbreaks;**



Prevention (*quarantine, pre-boarding testing, POB reduction*) and **mitigation** (*masks, ventilation*) measures are **essential;**



POB reduction effective: 64%_{min} - 74%_{ytd};

01

COLLABORATION

Regulatory Framework Review



Limited obligations during the contingency caused by COVID-19. Focus on **Contingency Plans, Safe POB Reduction & Safety Critical Elements (SCEs).**

02

ADAPTATION

ANP's Remote Regulatory Audits



Verify: (i) **POB adequacy** to the minimum operational workforce; (ii) SCEs **mandatory tests**; (iii) **MoC:** *management of temporary absences and replacements*; (iv) **Maintenance issues and nonconformities** from former SCEs' inspections.

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Thank You

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