

## Kongres Container

# Brazilian container power generation manufacturer



## Overview

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Built by GNA, a joint venture between Prumo Logística, bp, Siemens and SPIC Brasil, the enterprise uses state-of-the-art technology developed by Siemens, guaranteeing greater efficiency and lower emissions of greenhouse gases. Are Brazilian ports ready for renewable marine fuel bunkering?

This helps provide a foundation for future investment and policy decisions aimed at developing green shipping infrastructure in Brazil. Our port readiness assessment identified six Brazilian ports as candidate hubs for renewable marine fuel bunkering.

Can Brazilian ports be key hubs for renewable fuel production?

Brazil's abundant renewable energy resources and location enable it to play a unique role in ramping up renewable fuel production for use in the maritime shipping sector. This study explores the potential of Brazilian ports to become key hubs for supplying renewable hydrogen and its derivatives, renewable ammonia and renewable methanol.

Which port in Brazil handles the most cargo in 2023?

In Brazil, both public and private ports are highly active. The Port of Santos, the largest port, handled 166 million tonnes of cargo in 2023, including solid and liquid bulk, container cargo, and general cargo. Similarly, Porto do Açu is a major port specializing in dry bulk, breakbulk, and liquefied natural gas.

How can Brazil accelerate establishing green shipping corridors?

Targeted investments in renewable energy production, storage, and bunkering facilities at these ports could accelerate establishing green shipping corridors. Supporting these would align with Brazil's goals for maritime decarbonization and leadership in the global green shipping transition. Table 1.

Can Brazil produce 1 million tonnes of hydrogen a year?

Brazil's nascent renewable hydrogen sector, with ongoing pilot projects, could

reach production of 1 million tonnes annually by 2030 (Klevstrand, 2023). This is contingent on technological scale-up, infrastructure development, and cost parity with fossil fuels.

How many bunker ports are there in Brazil?

In Brazil, there are 18 ports that sell bunker fuel to ships, and they almost exclusively sell residual fuel and distillate fuel (see Appendix B for the list of bunker ports). The final scores of the top 10 ports are presented in Table 3. Scores for the top 30 ports are in Appendix C.

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