



Low carbon hydrogen hub in Brazil

Brazil has one of the cleanest electricity and energy matrix in the world and its share of renewable generation will only increase in the next decades. The country is also among the most competitive global players in renewable energy generation and therefore has a potential to be one of the most competitive hydrogen producers, with forecasts indicating hydrogen cost of 1.25 USD/kg in the next decades and potential industrial demand for H2 of about 3 million tons¹.

Port of Açú is a powerhouse for accelerating renewable and low carbon hydrogen projects, ready to unite renewable energy, hydrogen production and industrial consumption. The port is the largest industrial port enterprise in Brazil, strategically positioned in the most relevant consumer region and offers a resilient business model combining local industrial demand and export capabilities.

ADVANTAGES

- **Availability of water** from multiple sources, including industrial reuse
- **Deepwater export infrastructure** with terminals up to 25m deep
- Connection to the **Brazilian grid through 345Kv and 500Kv transmission lines**
- Development of **100% renewable on-grid and off-grid projects**
- **220MWp solar PV** project under development with COD expected for 2026
- **+50GW offshore wind energy** projects under licensed nearby Açú

Port of Açú already has an environmental permit for a 1.2 m² (120ha) hydrogen hub with installed consumption capacity of 3.7GW

