



jbenenergy JAPAN
BLUE
ENERGY
ジャパンプルーエナジー

A Japanese Company Engineering Floating Offshore Wind into Reality

First FLOATING Offshore Wind Turbine Demonstration Project in Brazil

The Aura Sul Wind Project

— Wind of Change, Porto Alegre, RS, September 2026



Rodolfo T. Gonçalves

Chief Executive Officer

Brazilian . 40 years old (March/18/1985)

goncalves@jbenergy.jp

JB Energy – Japan Blue Energy Co., Ltd.

27F, Tokyo Sankei Building, Otemachi 1-7-2,
Chiyoda-ku, Tokyo 100-0004, Japan.

20+ oil and gas industry 10+ offshore wind

- Bachelor, Naval Architecture and Ocean Engineering, Univ. of São Paulo, Brazil.
- Ph.D., Naval Architecture and Ocean Engineering, Univ. of São Paulo, Brazil.
- Post-Doc., Systems Innovations, Univ. of Tokyo, Japan.

Professional

2005-2015 - Researcher, Univ. of São Paulo, Brazil

2015-present - Project Researcher/Assistant Professor/Specially Appointed Researcher, Univ. of Tokyo, Japan

2022-2025 - Advisor, JB Energy, Japan

2025-present - CEO, JB Energy, Japan

Brazilian Context

- Hotspots: **Northeast, Southeast & South**

Concentrate the best wind regimes (high velocity, unidirectional, constant speeds)

- Brazil is among the top 5 countries with the largest **onshore** wind markets in the world **35 GW**

- The federal government approved the offshore wind **regulatory framework** in January 2025



3 Pilot Projects



Gravity Base

Rio Grande do Norte



Monopile

Rio de Janeiro



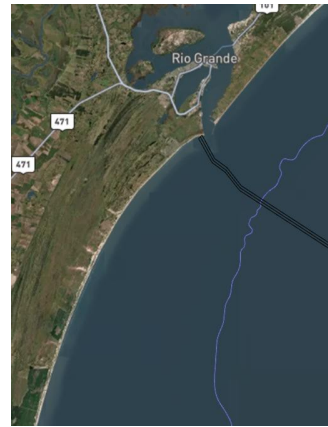
AURA SUL
WIND

**Semi-sub
floating**

Rio Grande do Sul



32.37°S, 51.50°W
Distance from shore: 65km
Water depth: 44m
Type: Floating Semi-Sub



AURA SUL
WIND

Terms of Reference



AURA SUL
WIND
Rio Grande do Sul



jbenenergy
JAPAN
BLUE
ENERGY
ジャパンブルーエナジー



Why Rio Grande do Sul?

The state combines wind resource conditions and port infrastructure to lead the offshore wind in Brazil





Strategic Advantages



Proximity to major consumer hubs
in the South/Southeast



Rio Grande and Pelotas offer
extensive port infrastructure for
assembly and operational support



Rio Grande do Sul has available
connection to the national power
grid

Main Development Barriers

Acknowledging obstacles is the first step toward conquering them



Technology



Regulatory



Investments



Challenges to be overcome



Development of a FLOATING pilot project to provide and enable commercial-scale investments



Strengthening the sub-legal framework and identifying regulatory bottlenecks to enable the technology



Creating a reliable and investment-friendly environment by leveraging existing project

Key actions before pilot project deployment



Establish risk-sharing **PARTNERSHIP** to fast-track feasibility studies, FEED and pilot deployment



Launch integrated **DIALOGUES** with regulators, environmental agencies, and affected communities



Launch accelerated offshore **DATA COLLECTION** campaigns



Brazil as a Global Player



Adapt offshore O&G capabilities to accelerate floating wind development



Brazil's pioneering FLOATING pilot project - a global showcase



Local supply chain enables adaptability for scaling

Raijin Float ® + MySE

18.5MW

Floating solution achieving optimal
technical-economic performance



POWERED BY:



Economic Advantages

- Platform built with prefabricated concrete panels
- Activates local suppliers and labor (panels can be transported to coastal assembly zones)
- Eliminates need for large shipyards - require only port-area assembly spaces



-50%

CAPEX compared with steel foundations



-50%

Carbon emission in the construction phase



-50%

Construction time *(again enables earlier revenue)*



Why FLOATING?



- Operates in water depths > 50m , where fixed foundations are technically challenge
- Onshore-assembled turbines + towed platforms = Lower risk, cost, and shorter installation windows
(enables earlier revenue by avoiding installation bottlenecks)
- Mooring system eliminate deep drilling and extensive geotechnical studies
(Brazil has proven offshore floating tech expertises)
- Beyond-horizon installation : Near-zero visual impact on beaches and minimal interference with fisherman/coast communities



AURA SUL



WIND

Brazil's First FLOATING Offshore Wind Pilot Project

Combining academia, industry, and government to build the
foundation of Brazil's offshore wind future

Leader



AURA SUL
WIND

Partners/
Collaborators

Technology Providers



Academia



Engineering & Consulting



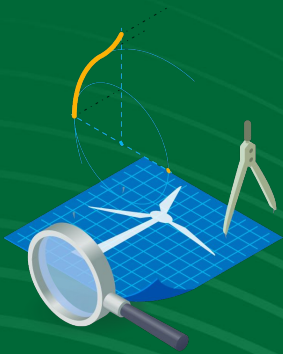
Government & Institutions



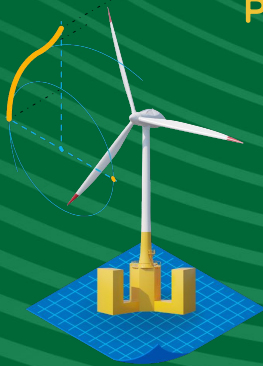
Applied Research and Innovation



Phase 1
Pre-FEED



Phase 2
FEED



Phase 3
Construction and
Monitoring



Phase 4
Commercial



Project Phases

Timeline



AURA SUL
WIND

