



Offshore Wind and Hydrogen

Brazil



Having just returned from Rio it's heartening to see progress with offshore wind being enshrined in law.

Ceara and Açu lead the charge as things are happening in Latin America in my world of offshore wind and hydrogen.

I've regularly shared updates with the community and have integrated them here as Brazil's environmental protection agency Ibama in August listed a staggering 169GW in proposed offshore wind projects seeking approval off the country's almost 8,000km of coast

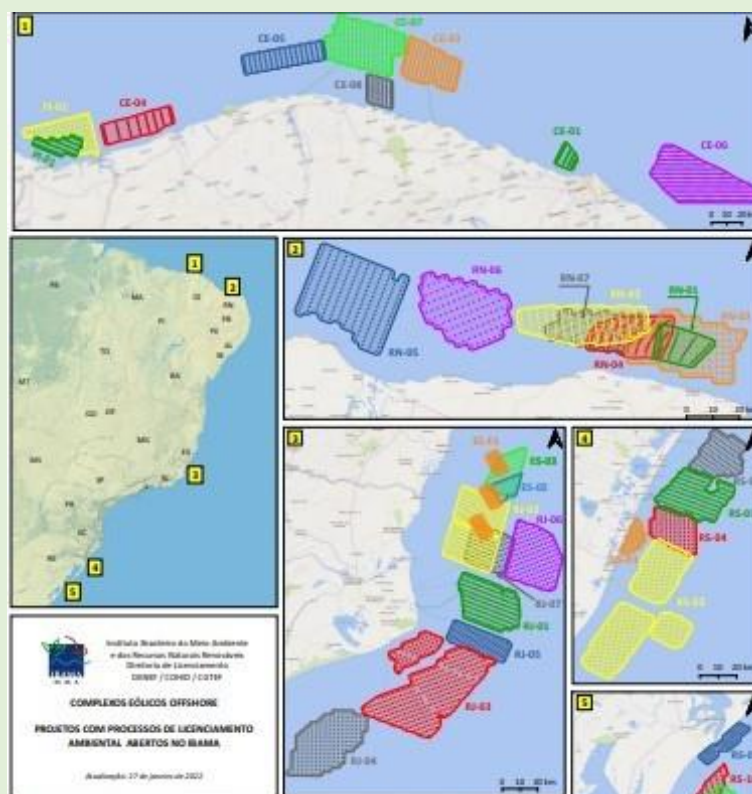


Japan's Shizen Energy the latest company to seek environmental permits, joining sector heavyweights such as the Engie-EDPR joint venture Ocean Winds, Iberdrola, Macquarie's Corio Generation, and oil & gas majors Equinor, Shell and TotalEnergies.

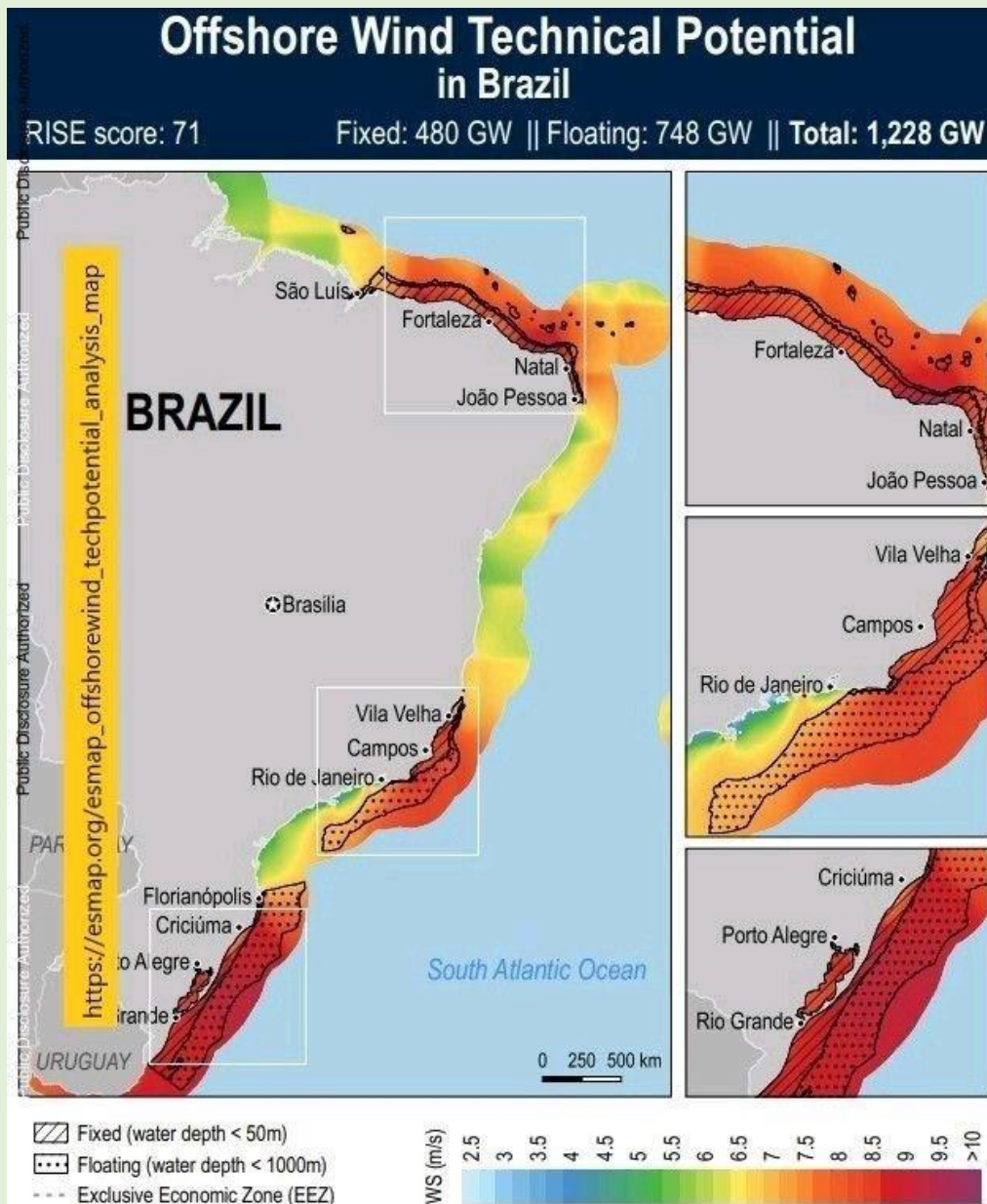
Brazil's federal government in January laid down first regulations for offshore wind in a decree, assigning planning and permitting competencies to a total of nine different government bodies in South America's largest economy.

Green H2 crucial

Offshore wind capacity in Latin America will be to support green hydrogen projects, both for domestic energy use and exports. The analyst forecasts that Brazil will capture close to 6% of the world's total green hydrogen supply through 2050, with the market gaining scale after 2030.



Latin America is expected to reach 34GW of offshore wind capacity by 2050, driven by the growth of off-grid green hydrogen projects and led by regional pacesetters Brazil and Colombia.



Ceará | Offshore Wind and Green Hydrogen for Brazil

The state is keen to promote best practise and has it's own state 'seal' to ensure developers use best practice stated with audience and panels giving a rousing version of the national anthem, something I've yet to encounter on the more sedate UK circuit.

The introductory speeches outlined a generational opportunity with Ceará's most memorable line: 'the best way of thinking about the future is to create it.'



Replacing oil is difficult but nature is favourable to Ceará but it needs will and effort now.

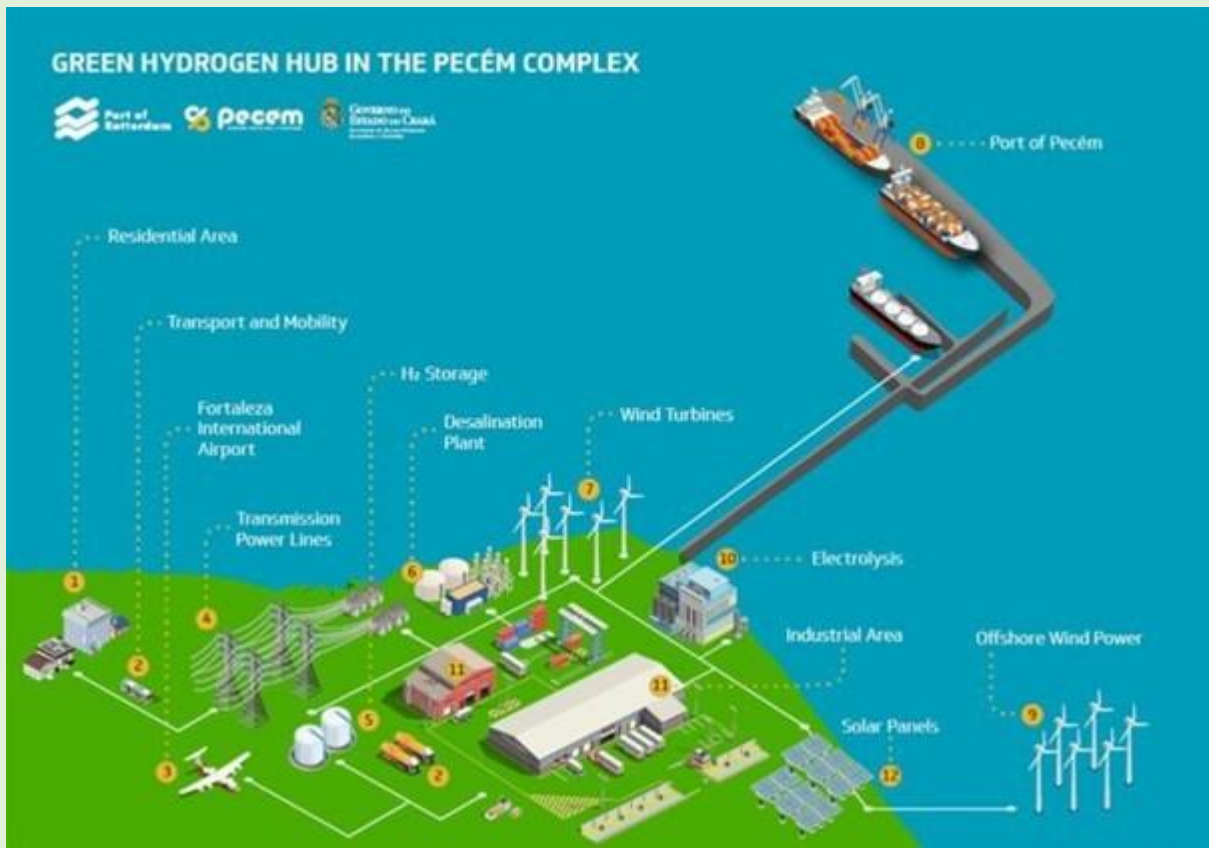
German bodies, and the Ports of Rotterdam and Antwerp are already on the ground verdebrasil so our own DIT needs to move swiftly. The London event brought the City along and we know how they ready for the challenge.



Some, including, Joaquim Leite – Minister of State for the Environment praised the Brazilian president, something we are not especially used to hearing in the UK.

It was stressed that the private sector will be the mechanism to make the transition happen and new industries to energy in the northeast of Brazil.

The Port of Pecém partnering with, again, Rotterdam, is especially well placed to lead the charge and other Brazilian states are following Ciara's lead and expects to be one of the richest regions in the world thanks to green hydrogen.



The state capital Fortelaza is helping with the all-important offtake, focussing on public transport

Pecém already has much of the necessary infrastructure in place; and Ammonia as a distribution mechanism is being investigated:



The World Bank and McKinsey - added their thoughts including the geopolitical challenges brought about through the invasion of Ukraine. Entrepreneurs are queuing up with around 90 MOU's already signed and local content will provide much of the infrastructure requirement going forwards.

The White Martins hub encompasses industry, including green steel making, with local content and production at its heart:

Organisers were surprised at the scale of interest in the conference, an indication of sectoral momentum.

The offshore wind and hydrogen section from the Port of Acu fell to a few technical gremlins but the cheery team improvised, and I share the link below in the hope the community may find it of interest

Thanks for the invite, Daniella Carneiro, the proactive and engaging Head of the Energy and Decarbonisation Committee of the Brazilian Chamber. There is much more to come in the offshore wind and hydrogen sector for Brazil



Charley Rattan Associates operate at the forefront of sectoral developments, click through <https://lnkd.in/eMx4PHv4> to view our Hydrogen training and advisory services

<https://bit.ly/3gHQa0V>

[Offshore Wind and Hydrogen](#)

