



A PORT OF OPPORTUNITIES

Jan 27th, 2021



Welcome to the port

Industrialisation projects at Açú

Towards a more sustainable development



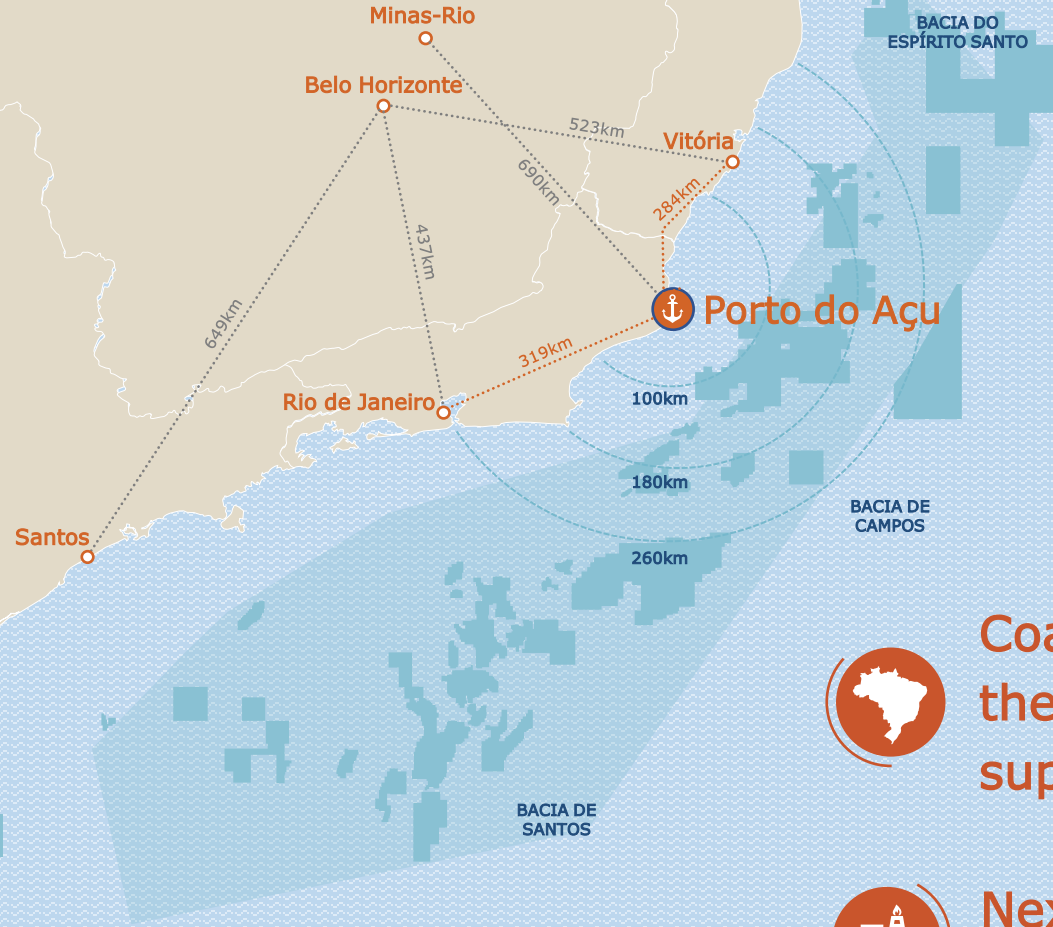


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Coastal location integrating the international energy supply shipping routes



Next to the main O&G fields in Brazil

Gas and Power Hub



Oil Hub



Industrial Hub



Green Hub



Ore Hub



Logistics and Services Hub



2020

LNG Terminal,
Gas power plants,
Emergency Base,
Spool Base,
Aerodrome and
South Mole



Emergency Base

Cluster O&G

Spool Base

TECMA (Marine Fuel Terminal)

South Mole (berthing)

Iron Ore Pipeline

GNA I - Gas Power Plant

GNA II - Gas Power Plant

Aerodrome

Caruara Reserve (40km²)

Iron ore filtration plant

LNG Terminal

Iron Ore Export terminal

Oil terminal (double banking)

48%

of waterbound area
already occupied

~56km²

of retroarea
available



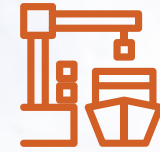
3rd

Largest Brazilian port in terms of cargo volumes when compared to organized public ports in 2019



90km²

of retro area for industrial development (equivalent to 1.5x the Island of Manhattan, NY)



17km

of quayside with high expansion capacity



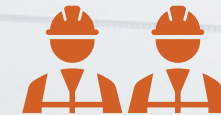
VTS

First port in the country to implement VTS (Vessel Traffic System), for cutting-edge navigation



Caruara

Largest private reserve dedicated for *restinga* conservation in Brazil with total surface of 40km²



+7.000

employees at Açu

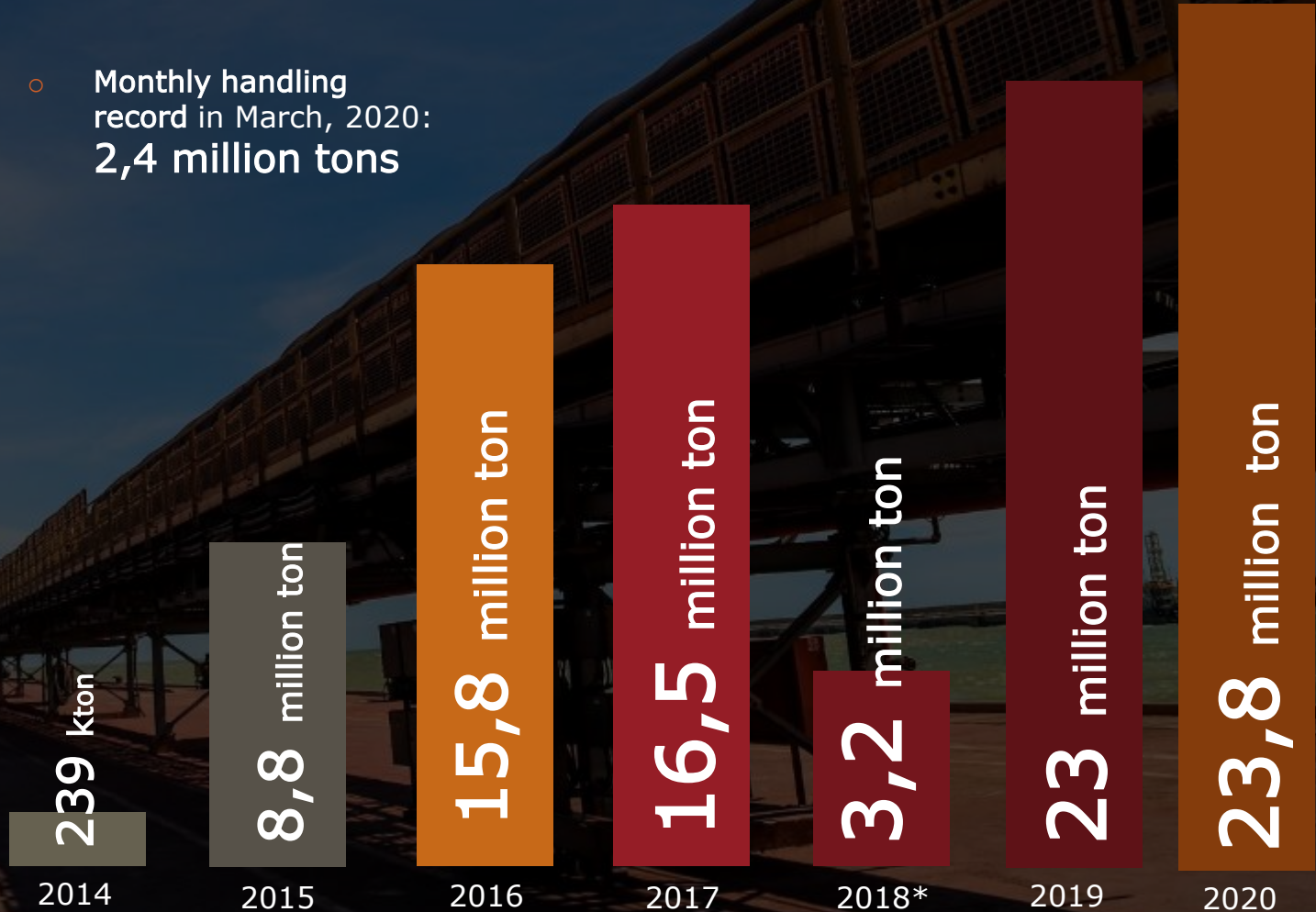


Joint Venture
between



89 million tons
handled since the beginning of operations
578 vessels received

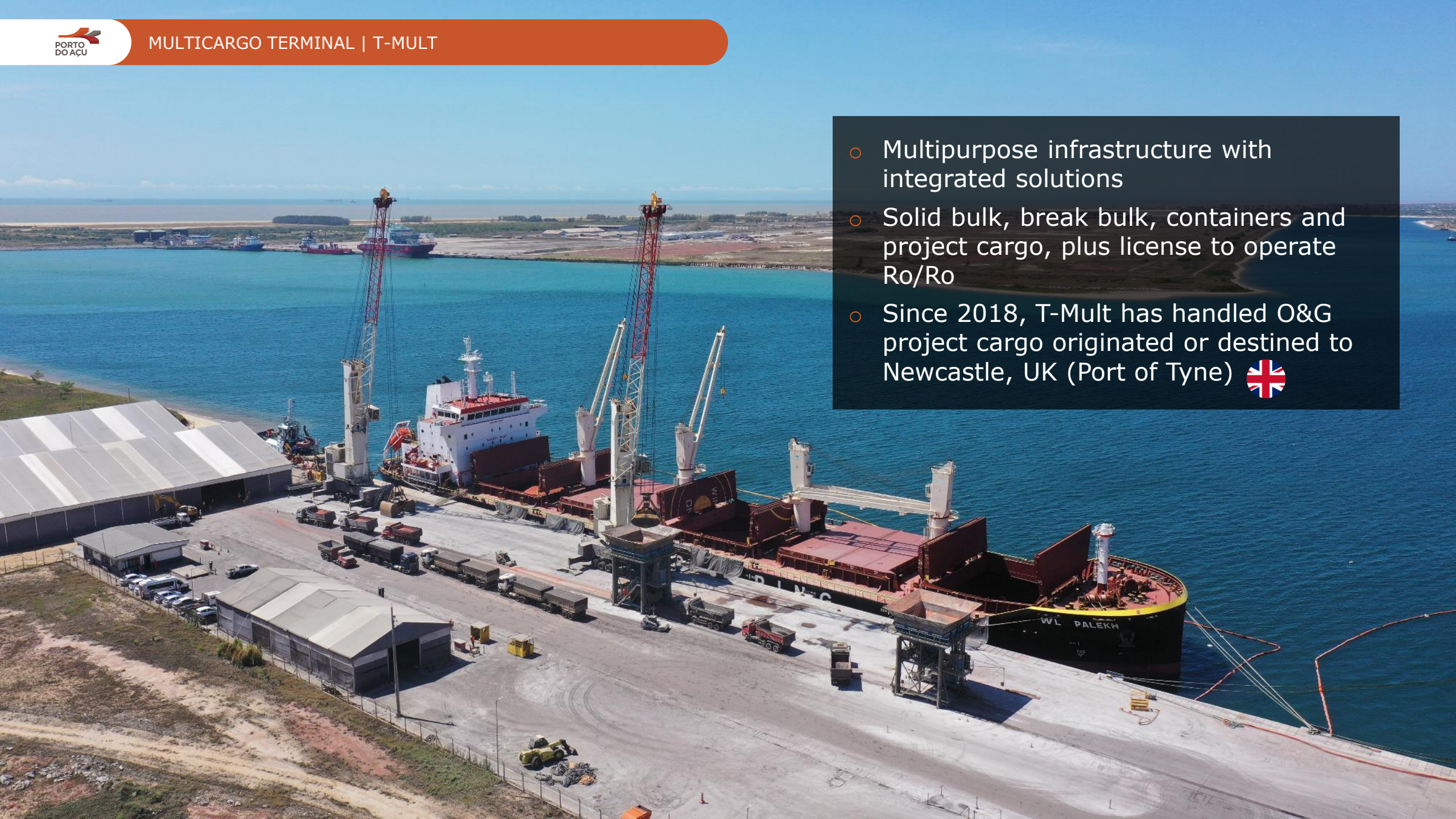
- Monthly handling record in March, 2020: **2,4 million tons**




(*): Due to an operational stop for 9 months this year



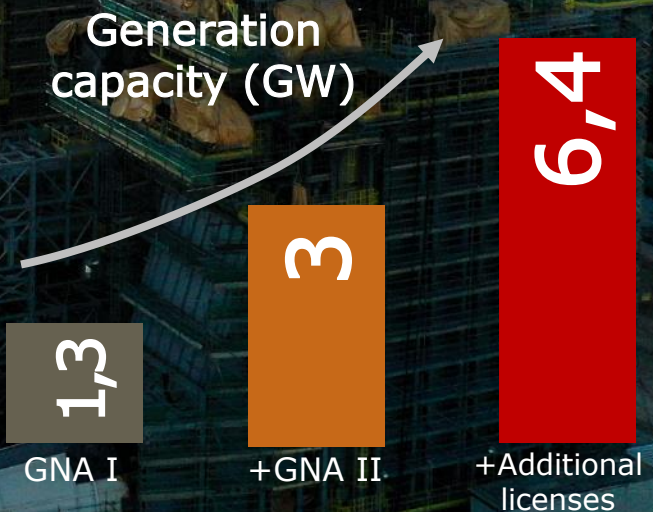
- License to handle 1.2 million barrels/day with expansion capacity up to 2.1 million barrels/day
- Potential expansion for tankage park up to 11.4 million barrels



- Multipurpose infrastructure with integrated solutions
- Solid bulk, break bulk, containers and project cargo, plus license to operate Ro/Ro
- Since 2018, T-Mult has handled O&G project cargo originated or destined to Newcastle, UK (Port of Tyne) 

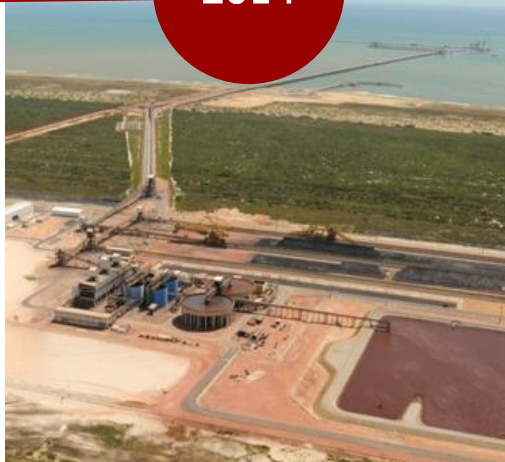
Largest natural gas thermoelectric power park in Latin America

- Installed capacity of 3GW (licenses for +3.4 GW)
- State-of-the-art technology developed by Siemens
- First unit GNA I under construction and operations foreseen for 2021
- Regasification terminal to import up to 21 million m³ of LNG/day.
- Energy generated by GNA will be responsible for 17% of power generation based on natural gas in Brazil





2014



Filtration plant & export terminal

- Iron ore filtration plant at the enterprise
- Ferroport: JV between Anglo American and Prumo for the iron ore export terminal
- 2nd most productive iron ore terminal in Brazil
- Total area Anglo American & Ferroport ~5 km²

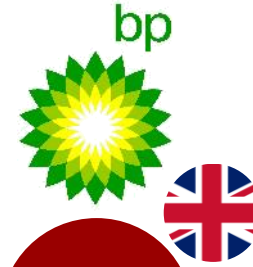


2016



Marine Fuels Terminal – Tecma

- BP-Prumo: JV with Prumo to provide marine fuels
- Taylor-made solutions ranging from fuel delivery at the port to offshore deliveries
- Total area BP-Prumo ~215 thousand m²



2017



Açu Gas Hub

- GNA: JV between Prumo, Siemens and BP for the development of the thermoelectric power complex
- BP to provide the LNG to supply the power plants
- Total area GNA ~1 km² with potential to increase

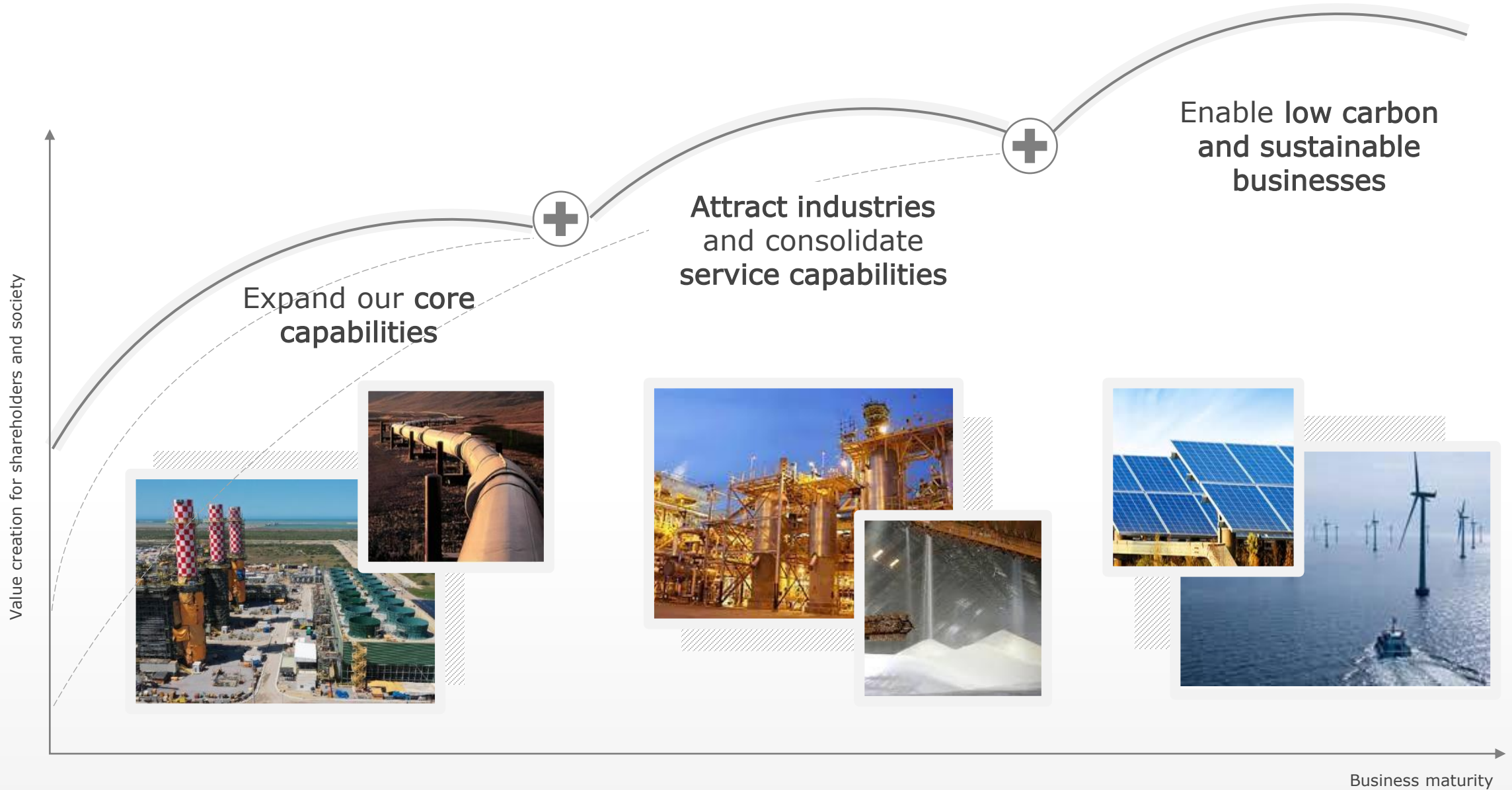


2017



Oil Terminal – Açu Petróleo

- Responsible for handling 25% of Brazil's oil export
- Safest choice for oil transshipment
- Just in time: Waiting time less than 20h and total time of DP vessel circa 25h
- 20-year contract between Açu Petróleo and Shell





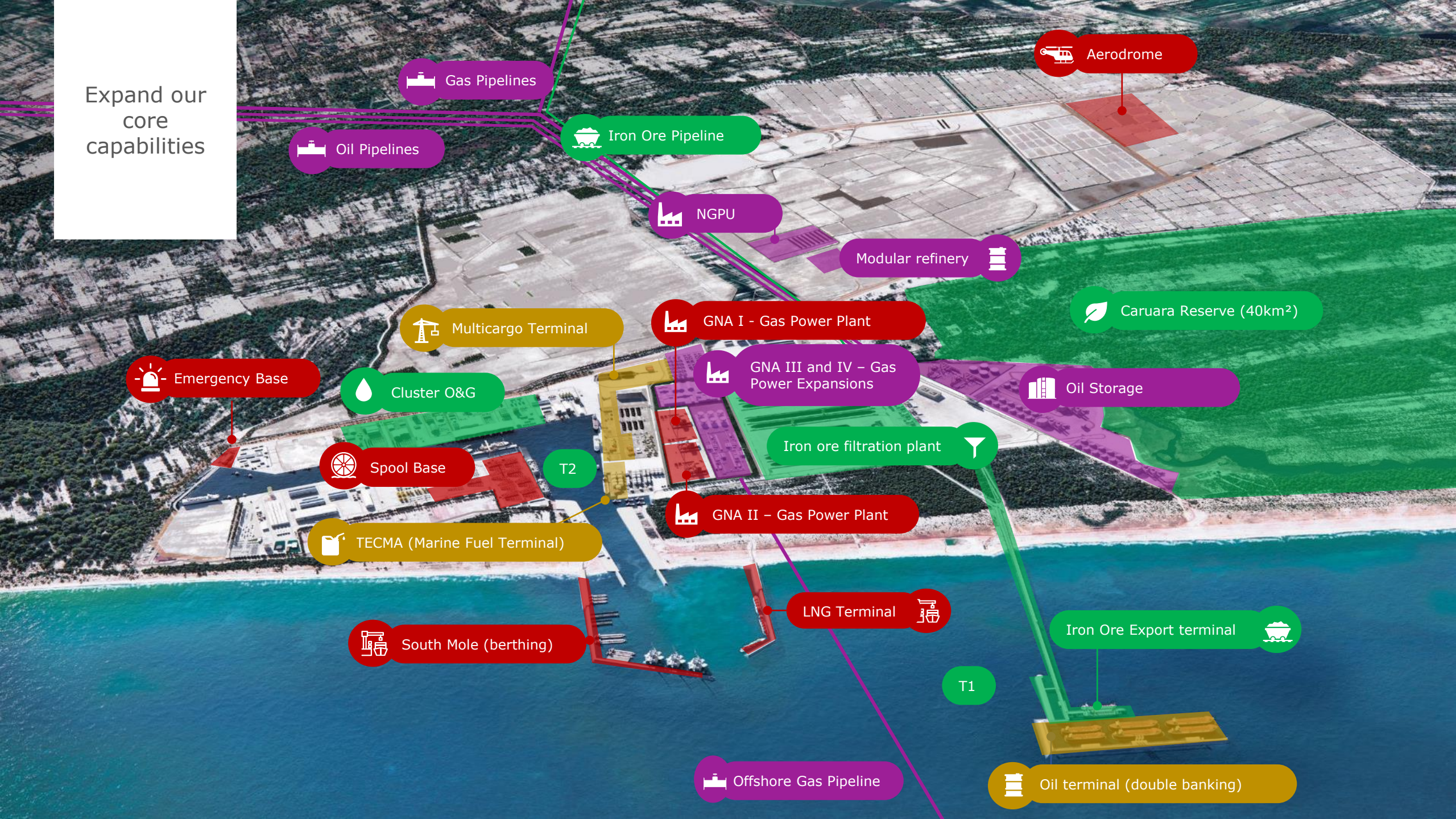
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Expand our core capabilities



Gas Pipelines

Oil Pipelines

Iron Ore Pipeline

NGPU

Modular refinery

Aerodrome

Caruara Reserve (40km²)

GNA I - Gas Power Plant

GNA III and IV - Gas Power Expansions

Oil Storage

Multicargo Terminal

Cluster O&G

Iron ore filtration plant

Emergency Base

Spool Base

T2

GNA II - Gas Power Plant

TECMA (Marine Fuel Terminal)

LNG Terminal

South Mole (berthing)

T1

Iron Ore Export terminal

Offshore Gas Pipeline

Oil terminal (double banking)

GNA I (1st power plant)



FSRU at LNG terminal

Attract industries and consolidate service capabilities

Iron Ore Pipeline

NGPU

HBI/PELLET PLANT

Multicargo Terminal

GNA I - Gas Power Plant

Iron ore filtration plant

GNA II - Gas Power Plant

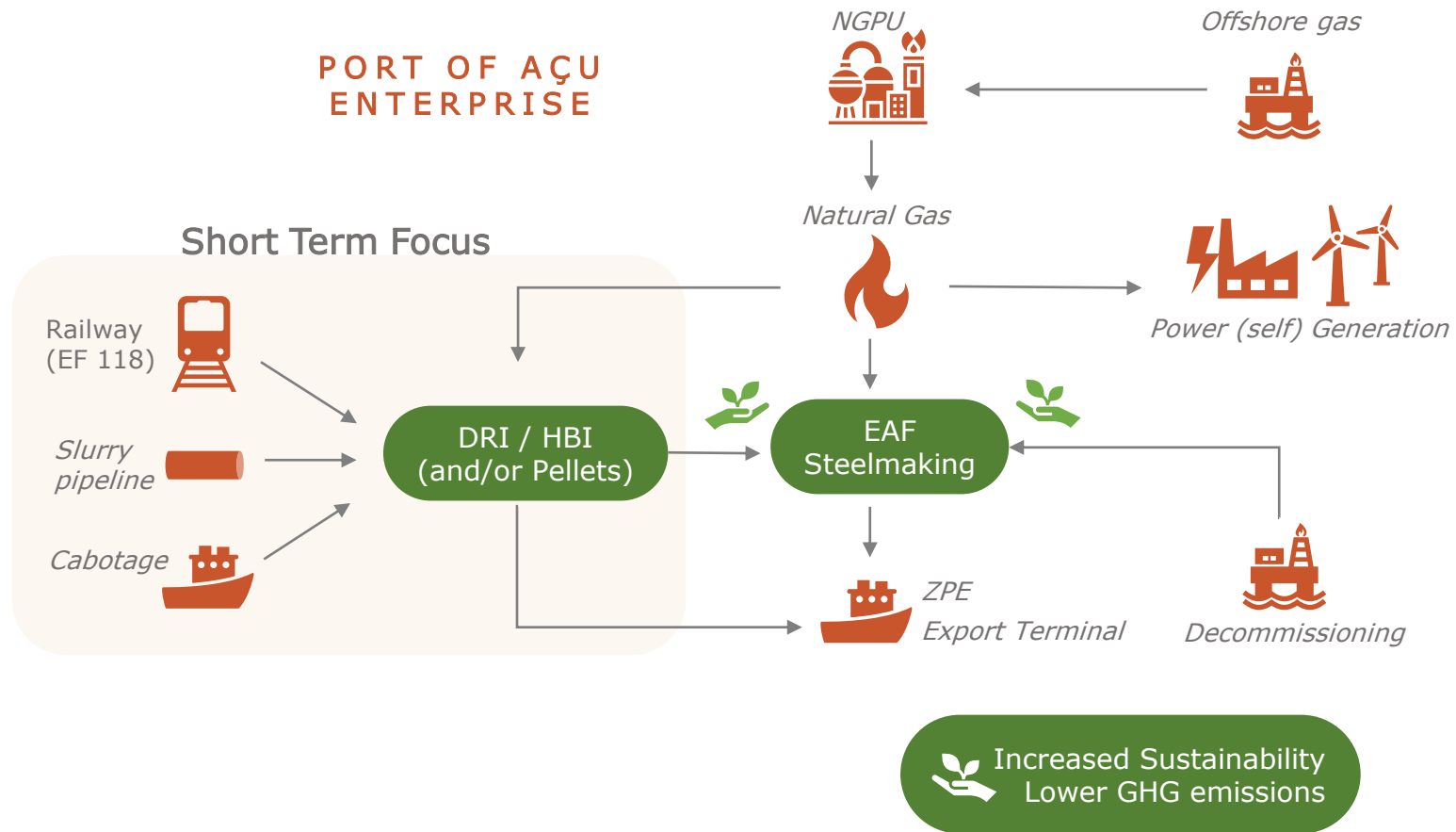
LNG Terminal

Iron Ore Export terminal



Iron ore, gas, scrap, sea access and industrial zone in one place

- Leverage availability of Iron Ore & Gas to address global market
- HBI/DRI plant is an enabler of a larger scale steel and manufacturing industry in Açú



Attract industries and consolidate service capabilities



FERTILIZER PLANT

NGPU

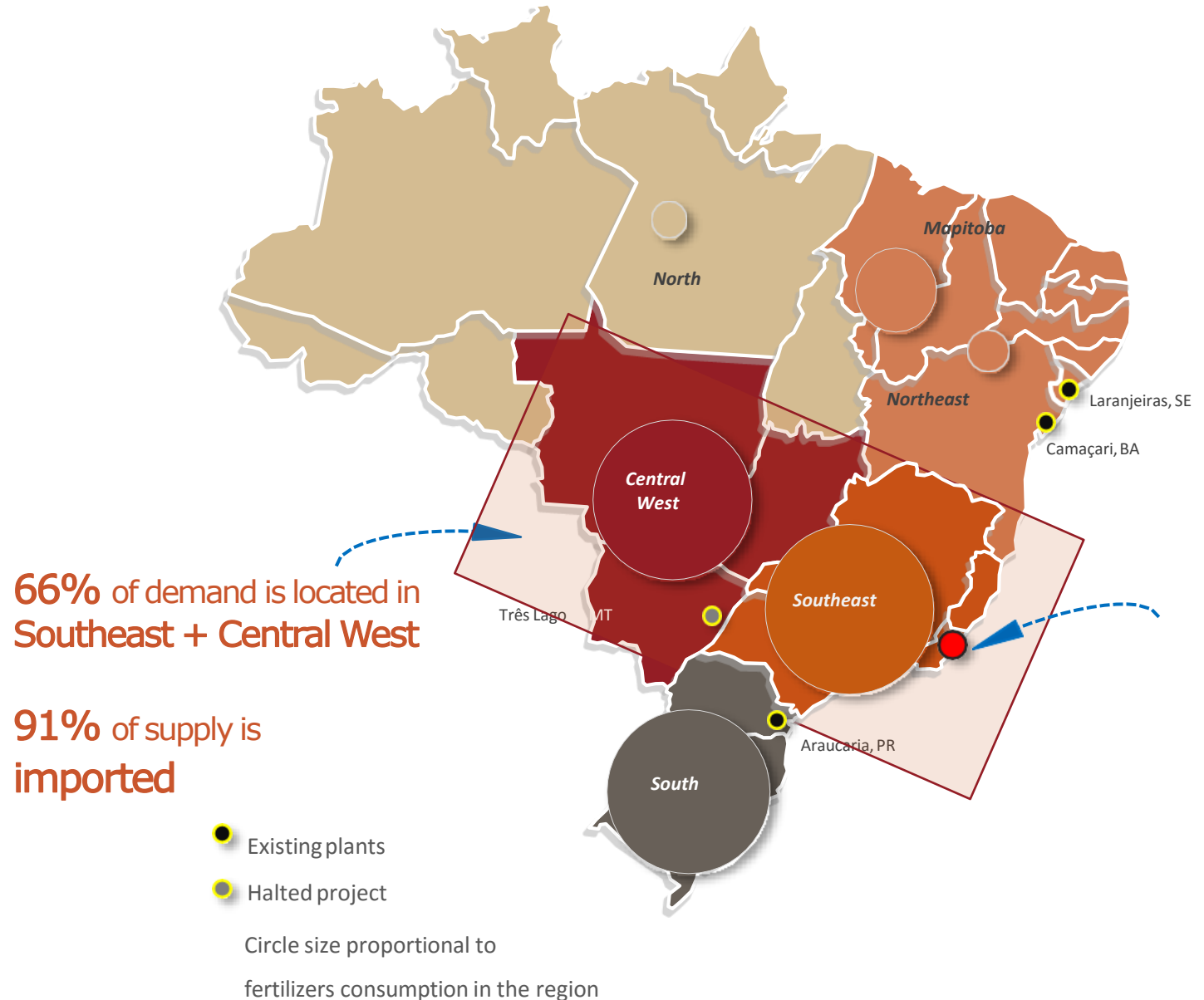
Multicargo Terminal

GNA I - Gas Power Plant

GNA II - Gas Power Plant

LNG Terminal

- **Changing gas markets** creates a **unique opportunity** to tap into the continuously **growing fertilizer demand** through Porto do Açú
- Opportunity to diversify trade flows which **targets main fertilizer demand hubs** in Brazil in a cost competitive manner
- **Proven logistics** through Açú's own multipurpose terminal



Enable low carbon and sustainable businesses

 SOLAR PLANT

 GREEN H2 PLANT

 Multicargo Terminal

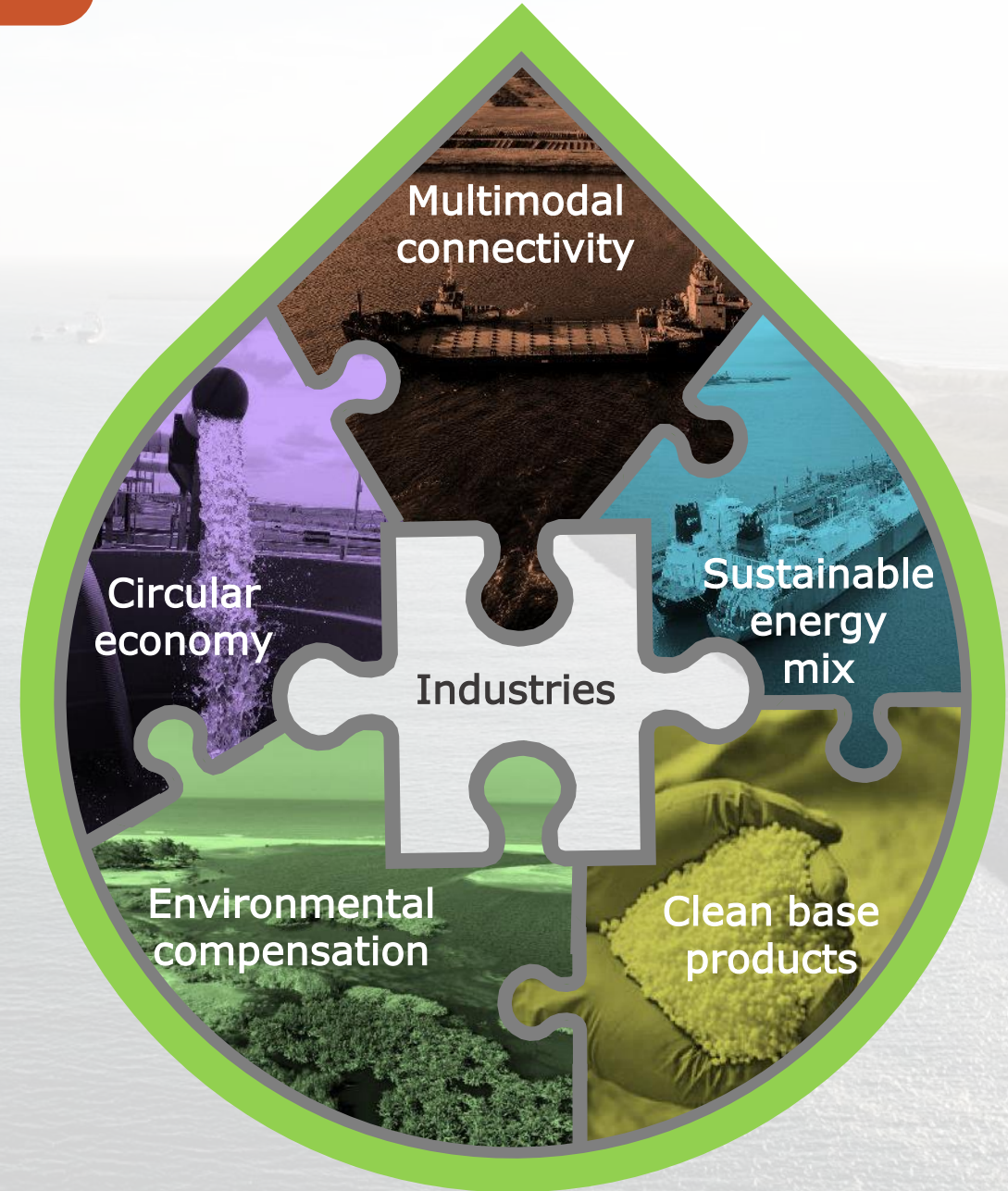
 Caruara Reserve (40km²)

WIND FARM 

 WAVE POWER

OFFSHORE WIND FARM 

Port of Açu is a platform to increase the **sustainability** and **shared value** profile of the **global value chain**



crude oil & distillates



gas & electricity



green H₂ & ammonia

H₂

Sustainable energy mix
for industry and mobility

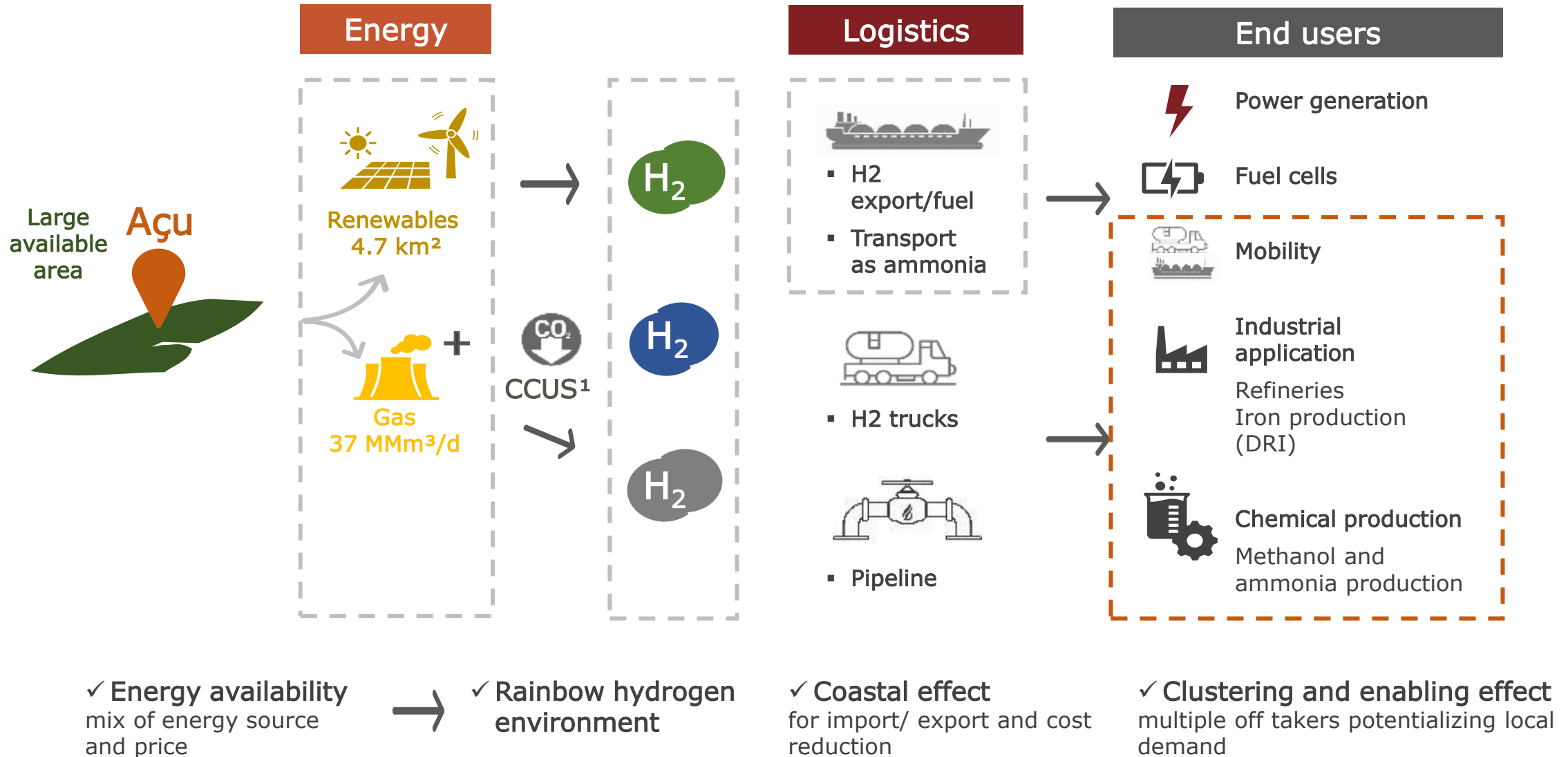


offshore wind



intra-port renewables
(solar/wind)







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Sustainability is a driver for Açu not only in industrial projects but also for the whole logistic chain

Breaking news



Açu has just adopted an international index for vessel environmental performance



Ships that perform better than required by the current environmental standards, including GHG emission levels, will have access to preferential port tariffs.



Project aligned with international policies and led by the World Ports Sustainability Program (WPSP), organization created by the International Association of Ports and Harbors (IAPH).

3 GOOD HEALTH AND WELL-BEING



6 CLEAN WATER AND SANITATION



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



CARUARA RESERVE

40km² preserved

The largest private reserve of the *restinga* ecosystem in Brazil

BLUE CARBON

Mitigating climate change through the conservation and restoration of coastal and marine ecosystems

GREEN HUB

Integrate social and environmental initiatives in the region, using the Caruara reserve as a green belt and port-city dialogue

EXTENSIVE R&D

On biodiversity conservation



Thank you!



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Açu Experience
Discover the port in the
palm of your hand

