

Decarbonization Platform in Chile

Large-Scale Green Hydrogen & Ammonia Projects



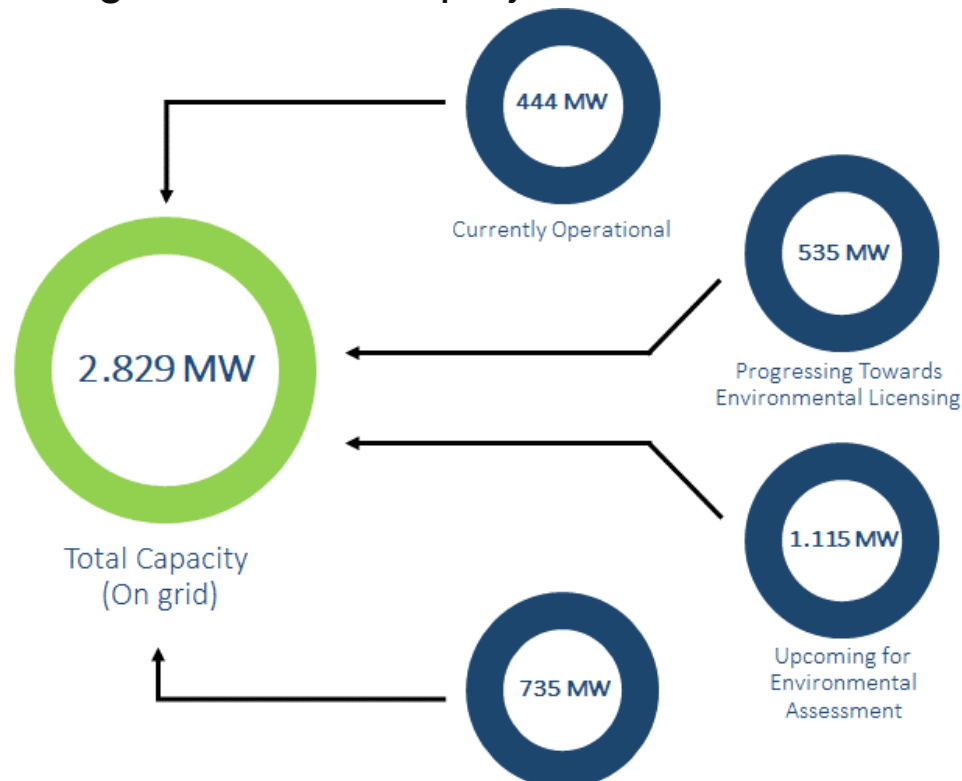
Structuring and Development of Carbon-Neutral Projects

Bogotá - April 17th, 2024

About the Companies

Consorcio Eólico

The top wind project developer in Chile, started in 2008 in Concepción. Known for its strong reputation and vast experience in renewable energy, the company has more than 120 experts working on renewable projects.

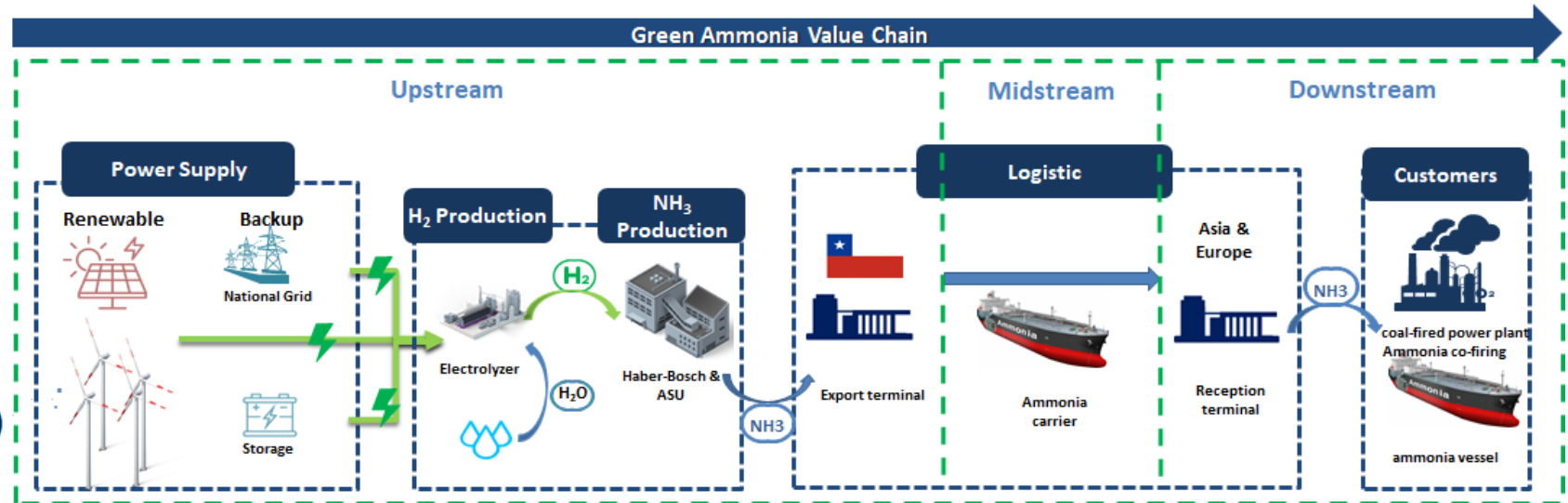


CLPower

Started in 2023 aiming to lead the decarbonization projects. The company launched its first project in the Atacama region in 2023, aiming to create a major center for producing green hydrogen and ammonia for both local and international needs.

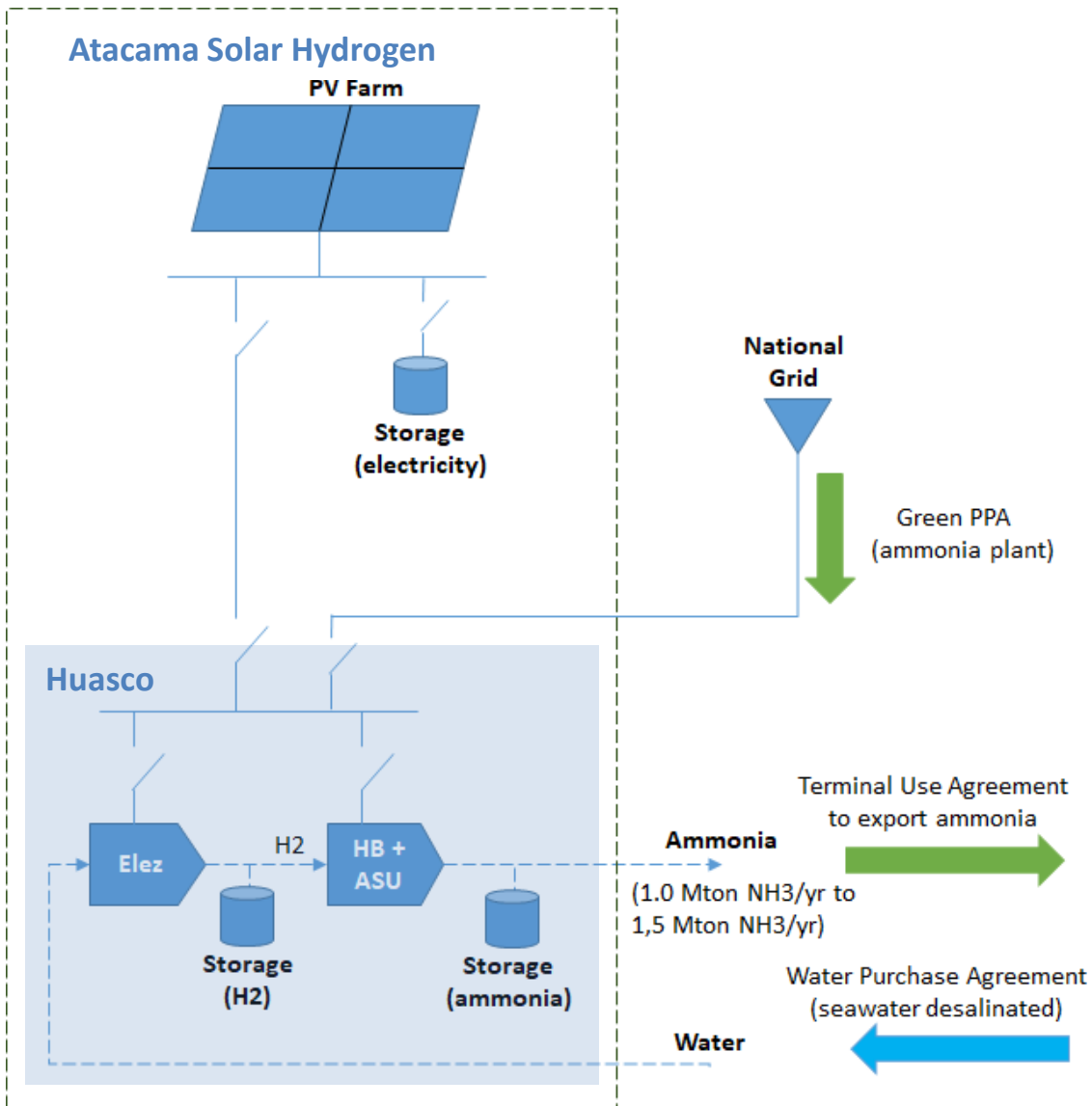
- **Project Structuring & Management**
- **Advanced Technical Assessment**
- **Strategic Financial Structuring**
- **Global Standards with Local Integration**

Green Hydrogen & Ammonia Projects - Overview



Atacama Region	• Atacama Solar Hydrogen Project	3.0 GW _{PV} / 2.5 GW _{elez} / 1.0 M Ton NH ₃ /yr
Magallanes region	• Pionero Project	2.5 GW _{WF} / 2.0 GW _{elez} / 1.0 M Ton NH ₃ /yr
	• Tierra del Fuego Project	2.5 GW _{WF} / 2.0 GW _{elez} / 1.0 M Ton NH ₃ /yr

Atacama Solar Hydrogen Project - Overview

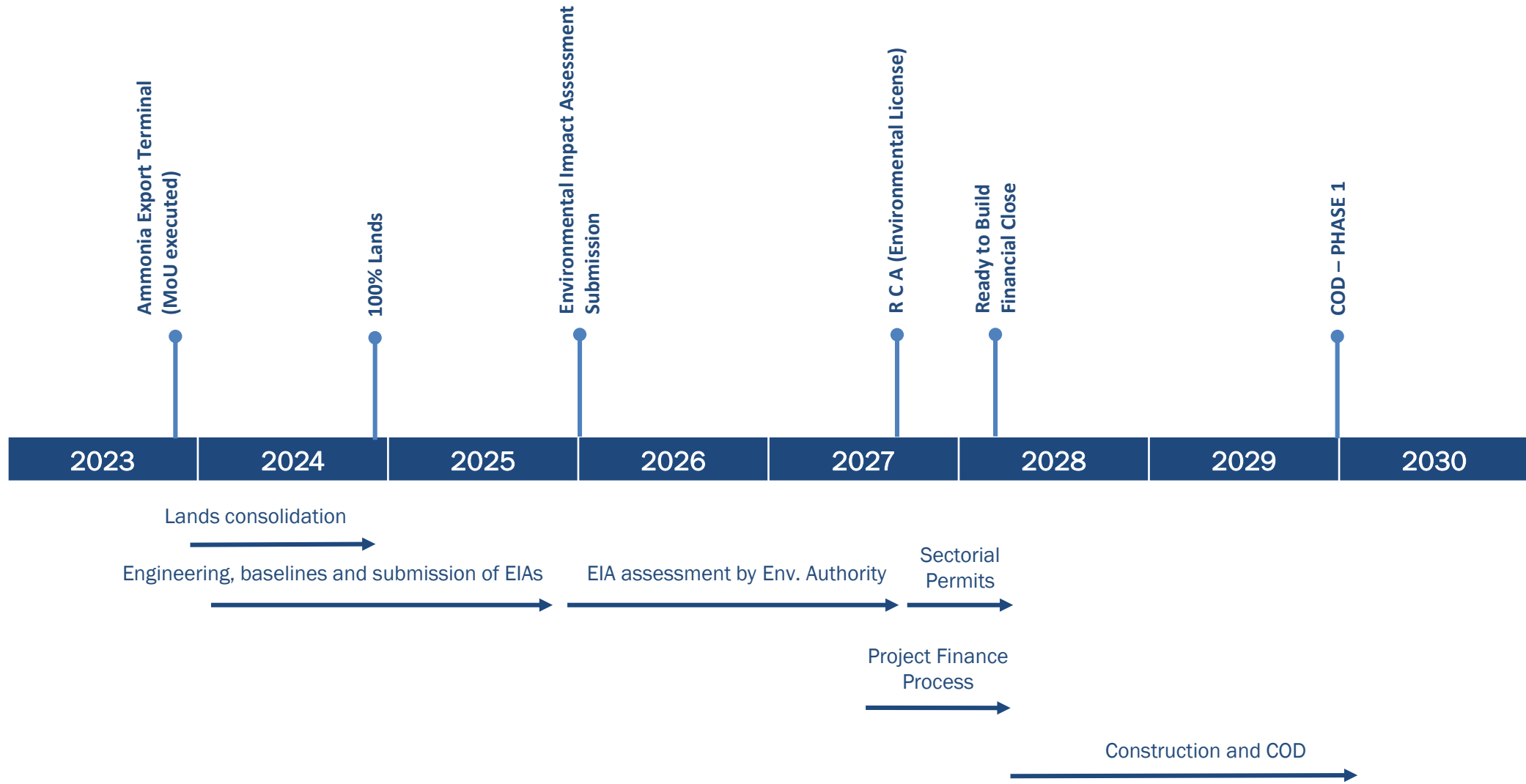


Guacolda Energia

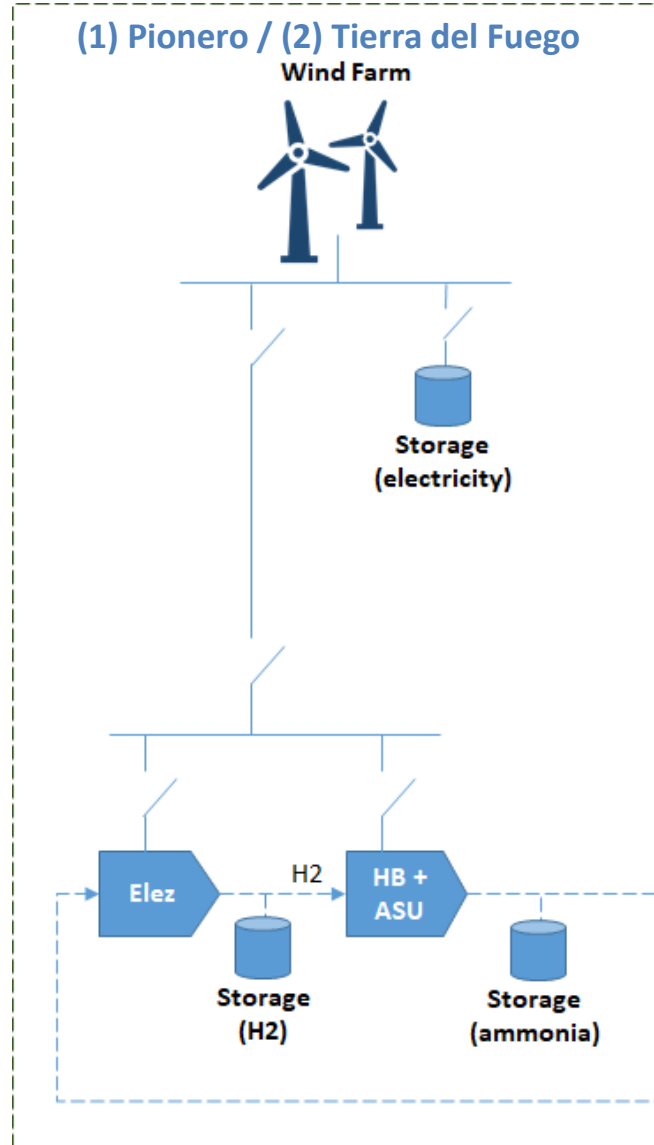
- Desalination plant (MoU executed)
- Ammonia Export Terminal (MoU executed)
- The project has the potential to supply green ammonia to Guacolda, contributing to its decarbonization efforts by blending green ammonia with coal.



Atacama Solar Hydrogen Project – General Gantt Chart



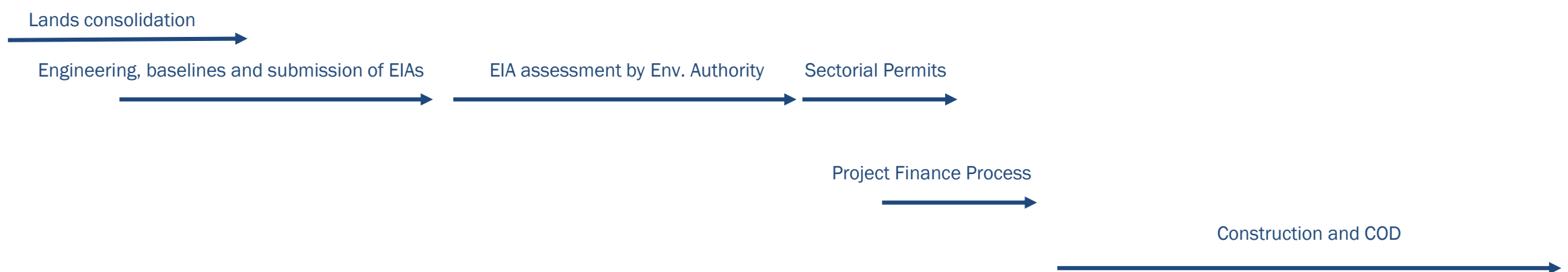
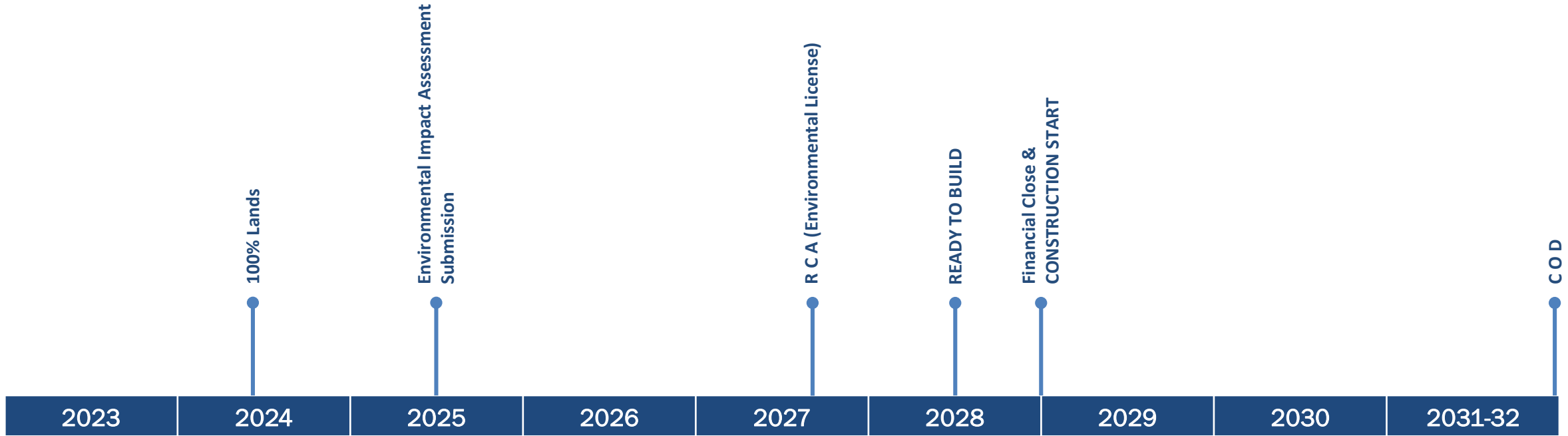
Magallanes Projects - Overview



Pionero	Tierra del Fuego
2.500 MW (43.000 ha)	2.500 MW (53.000 ha)

- Plant Capacity Factor: Approximately 60% or higher.
- Projected Energy Prices: 15-25 USD/MWh.

Magallanes Projects – General Gantt Chart



General Critical Paths for Industry Deployment

Power Supply



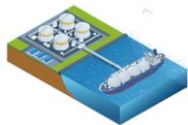
- Variability of the renewable energy
- Back-up power (technical and economical feasibility)

Production Facilities



- To define the technical design
- Water supply (desalination and water treatment plant)

Ports



- Export ammonia port
- Receiving ammonia terminals

Project Finance

- Offtake contract
- Lenders syndication and cost of credit

Permits

- Environmental license & social license

Construction

- Structure of contracts (CAPEX & OPEX)
- Construction risks

Water Supply Considerations for Large-Scale Green H2/NH3 projects in Chile

- **Water Source:** Prefer desalinated or recycled water over continental freshwater.
- **Greenfield Projects:** Expect longer timelines for RTB status due to regulatory hurdles (maritime concession and env. license).
- **Infrastructure:** Use existing facilities or develop multipurpose desalination plants.
- **Third-Party Involvement:** Secure a reliable water supply through third-party or engage a specialist partner.
- **Social and Environmental Impact:** Water source selection is key for the acceptance and reduce the environmental impact.



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