

The Green Energy Corridor Chile - The Netherlands

A Partnership for International Business



Netherlands

Chile and the Netherlands: unlocking opportunities in green hydrogen together

The global community is working hard to reduce our carbon footprint to combat climate change, with technological advancements playing a key role in enabling large-scale decarbonisation. The climate crisis and geopolitical shifts have driven the widespread adoption of renewable energy and lowered costs. However, managing energy supply during low sunlight or wind remains a challenge. Hydrogen development, distribution, and utilization will be crucial in overcoming these challenges.

Hydrogen is seen as the missing link to fully decarbonising the economy, bridging the final gaps in the energy transition. As an energy carrier, hydrogen can be produced from various sources, but its cleanliness depends on the energy used. Green hydrogen, made from renewable energy, is crucial but currently more expensive than fossil fuels.

Chile

Chile's abundant renewable energy resources make it an ideal candidate for green hydrogen production. With a well-established industry and strong international involvement, Chile is on track to power 70% of its grid with renewables by 2030. Significant investments in energy and infrastructure highlight the country's commitment to a sustainable energy future.

As a pioneer in Latin America, Chile published a green hydrogen strategy in November 2020. By 2030, the country aims to export over \$2.5 billion annually in renewable hydrogen, with more than 25 GW of electrolysis capacity. Over 50 projects, representing \$330 billion in investments, are underway. The government has reaffirmed its commitment with a national action plan, underscoring Chile's dedication to advancing its green hydrogen strategy.

Solving global challenges together

The global hydrogen market needs long-term contracts to mitigate investment risks. Chile is forging lasting partnerships with countries like the Netherlands, which plans to import green hydrogen. To support local decarbonisation and overcome export challenges, Chile requires proactive

public-private collaboration and international support. The Netherlands, with its internationally recognized ports and expertise in logistics and hydrogen value chains, is well-positioned to help Chile meet these challenges.

Why partner with the Netherlands?

The Netherlands, strategically located and central to North-West Europe's energy supply, is set to become a green energy gateway to Europe in the global transition. With extensive offshore wind farms and global partnerships, the country aims to stabilize its electricity supply and establish a low-cost green hydrogen export market to Europe. The Dutch government's long-term hydrogen strategy focuses on creating regional hubs and developing hydrogen corridors with producing countries like Chile.

Public Private Partnership (PIB)

The Netherlands wants Chile to become a key trading partner for green hydrogen and its derivatives, potentially establishing a corridor for large-scale hydrogen export between Dutch and Chilean ports. The PIB Green Energy Corridor Chile-NL program supports Dutch firms in Chile's hydrogen market, focusing on port logistics, infrastructure, and storage. It also seeks to strengthen bilateral ties and facilitate the transport of Chilean green hydrogen through the Netherlands to Europe.

The program focuses on two key hydrogen hubs in Chile: Magallanes and Mejillones. In Magallanes, ENAP and EP Austral are driving green hydrogen production, with ENAP seeking international support, especially from the Netherlands, for infrastructure expansion and addressing environmental and social impacts. In Mejillones, a collaboration led by the Catholic University Innovation Center is working on a roadmap for the green hydrogen industry in the Antofagasta region.

The hydrogen sector is rapidly growing in both the Netherlands and Chile. Their innovative collaboration will boost hydrogen production and supply, and advance its use in industry, mobility, and infrastructure.

Let's unlock opportunities in green hydrogen together!

Partners



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www.portofrotterdam.com



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Cooperation partner



Government of the Netherlands

Government of the Netherlands

Expectation is that by 2035 40-60% (70% by 2040) of hydrogen volume will be imported and it is essential to build a diversified supply system and to develop relations with countries and regions who can export hydrogen. Chile and the Netherlands are important partners in developing the hydrogen value chain and a green hydrogen corridor between Chile and Europe. In 2021, they issued a joint statement on hydrogen cooperation, followed by a strategic agenda in March 2023. A Memorandum of Understanding (MoU) between the Port of Rotterdam and the Chilean Ministry of Energy, first signed in 2021, was also renewed in March 2023.

The objective of the PIB program is to support Dutch-Chilean cooperation in developing the local hydrogen value chain, with a focus on the (shared) infrastructure, port developments, and creating a green hydrogen corridor between Chile and Europe, with Dutch ports serving as the gateway.

Curious to learn more? Get in touch!

This partnership is coordinated by Rotterdam Partners. Rotterdam Partners is the Investment and Promotion Agency for the Greater Rotterdam Area. Financed by the City of Rotterdam and the National Government, we support Rotterdam based companies with their ambitions to grow internationally.

We connect you to potential partners abroad, through trade missions, matchmaking events and national programs like Partners International Business (PIB).

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