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 77 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, Empresa Portuaria Austral, and various private companies are collaborating to develop solutions that address the region's lack of shared infrastructure, driving forward green hydrogen production. The regional government is actively seeking international support —particularly from the Netherlands— to expand infrastructure and tackle associated environmental and social challenges. Meanwhile, in Mejillones, significant progress is being made through joint efforts by companies and local and regional authorities. They are working on a roadmap to identify infrastructure gaps and develop shared solutions, with the Netherlands serving as a strategic partner in these efforts.

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

Arcadis is a global leader in design and consultancy for natural and built assets. We offer consultancy, design, engineering, project, and cost management services, providing exceptional and sustainable solutions. With over 36,000 employees in 30 countries, we optimize the balance between economic, environmental, and social perspectives, ensuring we are always close to our clients. Our global experience supports us in every project.
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Gasunie is an energy network operator. In the Netherlands and the northern part of Germany, we manage and maintain the infrastructure for large-scale transport and storage of gas. At the moment, this is mainly natural gas, but the energy transition will increasingly bring about a shift towards green gas and hydrogen. We also collaborate in the construction and management of heat and CO2 grids. We ensure that this part of the energy supply is safe, reliable and as sustainable as possible, ensuring that everyone has access to energy, always.
www.gasunie.nl/en

North Sea Port spans 60 km across Belgium and the Netherlands and ranks as Europe's 3rd port in added value. It plays a key role in logistics and energy. Producing and consuming 580 kilotons annually, it aims for increasing clean production and large-scale imports and transfers to meet future demand. Strategically located on the Western Scheldt, it offers storage facilities and multimodal connections to the European hinterland.
https://en.northseaport.com/

Port Consultants Rotterdam is an independent consultancy firm with an international reputation in the field of strategy, management, infrastructure and logistic development in terminals, ports and hinterland. From the headquarters based in Rotterdam and our branch in Buenos Aires, Port Consultants Rotterdam offers a unique and full package of port related consultancy services covering an entire port development proces.
www.portconsultantsrotterdam.nl

The Port of Rotterdam is Europe's largest seaport and energy port. The company manages, operates and supports the smooth and safe flow of shipping to and from Europe and across the oceans. Through digitalisation and innovation, the Port of Rotterdam is transforming into a cleaner and greener port. Rotterdam wants to become an important hydrogen hub for Europe, aiming to import 18Mton of hydrogen and derivatives in 2050 to facilitate the decarbonisation of industrial clusters in North-West Europe, mainly Germany.
www.portofrotterdam.com

Proton Ventures delivers innovative engineering and design solutions for world-scale storage terminals, ammonia production & decomposition units, and other ammonia-related process applications (e.g. deNOX). Proton Ventures' capabilities in these fields include Consultancy Support, Conceptual and Feasibility studies, Owners Engineering, (Pre-) FEED Packages, EPC(M) Works (limited scale), and Operations & Maintenance.
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SoluForce offers a safe, sustainable, cost-efficient and quickly deployable infrastructure for local hydrogen distribution. The non-metallic and flexible pipelines are pivotal in various hydrogen projects, ensuring minimal TCO and CO2 emissions. With over 4500 km installed, the SoluForce system is trusted for reliable energy infrastructure worldwide. Certified and based on proven technologies, it can be the perfect accelerator to achieve local hydrogen distribution in a fast, flexible and cost-efficient manner.
www.soluforce.com/

At ports around the world, Vopak provides storage and infrastructure solutions for vital products that enrich everyday life.Together with partners and customers, Vopak is accelerating the development of infrastructure solutions for hydrogen, ammonia, CO_2, long-duration energy storage, and low-carbon fuels & feedstocks – paving the way to a more sustainable future.
www.vopak.com

Cooperation partner

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 and updated in 2024. 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).

en.rotterdampartners.nl

rotterdam partners

You can contact the coordinators of this partnership via the following details:

Rianne Vriend-Vrijenhoef
r.vriend@rotterdampartners.nl
+31 6 10544501

Contact person in Chile:

Marcelo Villagrán
mvillagran@mankuk.com

Mankuk CONSULTING & SERVICES

Scan the QR
for more information:

Netherlands