



BUHLE POWER

Chile's new hydrogen energy small container station





Overview

Can Chile become a green energy powerhouse?

With its vast deserts, long coastline and extensive reserves of critical minerals, Chile is a potential renewable energy powerhouse. The government's goal is to have only clean energy by 2050 and to become one of the world's top green hydrogen exporters by 2040. The European Investment Bank is helping the country make this green transition.

Is Chile a leader in the production of green hydrogen?

A combination of characteristics makes Chile a potential leader in the production of green hydrogen in Latin America and the Caribbean (alongside Brazil and Colombia). Green hydrogen is produced using electrolyzers, which split water into hydrogen and oxygen through a process that requires substantial electricity.

What is the green hydrogen Fund for Chile?

The Green Hydrogen Fund for Chile – a Team Europe initiative by the European Investment Bank, the German development bank KfW and the EU delegation in Chile – will support a wide range of hydrogen projects, from water desalination and renewable power generation to storage and transport.

What is the Atacama hydrogen Hub project?

The ATACAMA HYDROGEN HUB project aims to build a large-scale electrolysis facility with export potential in the northern Antofagasta Region. Solar energy is used to power an electrolysis plant, which uses desalinated water to obtain oxygen and hydrogen.



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[Chile's Green Hydrogen Push with \\$45 Billion by 2030, \\$330 ...](#)

Aug 27, 2025 · Chile is positioning itself as a global leader in green hydrogen, with more than 70 projects under development and investment projections of \$45 billion by 2030 and \$330 billion ...

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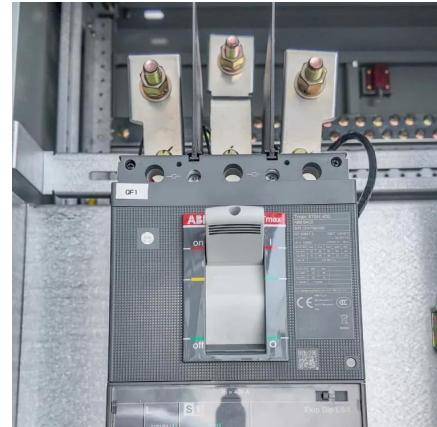
[Chile Approves \\$423m Green Hydrogen Project in Calama ...](#)

September 05, 2025 [H2 View]- Chile's Environmental Assessment Service (SEA) has approved plans for a \$423m green hydrogen project near the city of Calama. Chilean clean energy ...



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First Hydrogen-Powered Train Set to Begin Operations , Chile ...

With several projects set to go online, this proportion is expected to rise to 62% next month. At the core of Chile's renewable energy ambitions is "green hydrogen," as the country's rich ...



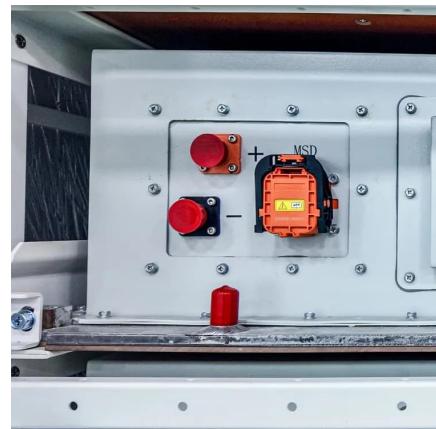
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Green Hydrogen in Chile opportunities explained

Jan 1, 2025 · International studies show that Chile's enormous wealth of renewable energy would allow it to produce the most competitive green hydrogen on the planet, which can be used for ...



Estrategia Nacional de Hidrógeno Verde

Sep 8, 2021 · The first wave will include domestic usage with existing large energy or hydrogen demand. The shorter-term opportunities are replacing imported ammonia for local production, ...



Estrategia Nacional de Hidrógeno Verde

The power of green hydrogenGrey hydrogenDecarbonization potential of green hydrogenCapacity factors per country in best areas (%)CuInsightsDomestic market1 Strategy and targets5 Incentives and financing2 Regulation and permits6 Infrastructure3 Coordination and alliances7 Research & development4 Value chain development8 Human capitalThe first wave will include domestic usage with existing large energy or hydrogen demandThe start of export activities and extended local uses will be seen before the decade is overNew export markets open in the long-term, enabling a massive scale-up of productionWave I: Local applications will ramp up hydrogen demand and activate a domestic industryWave II: We will leverage our domestic base to scale into a key player in export marketsClean Technologies Institute3 guides for H2 tech in production, mining, and transportAtacama Hydrogen Hub ProjectHyEx ProjectGreen Steel ProjectHIF ProjectHIFPRODUCTIONTeam of CompaniesCO2HNH ENERGYPRODUCTIONSTATUSAES ANDES PRODUCTIONAn industrial gas used widely for more than a century, elemental hydrogen (H₂) can be produced today from water with increasing scale and efficiency. In green hydrogen production, water can be separated into its constituents, hydrogen and oxygen, using renewable power. Renewable power WaterSee more on energia.gob.cl/velcore

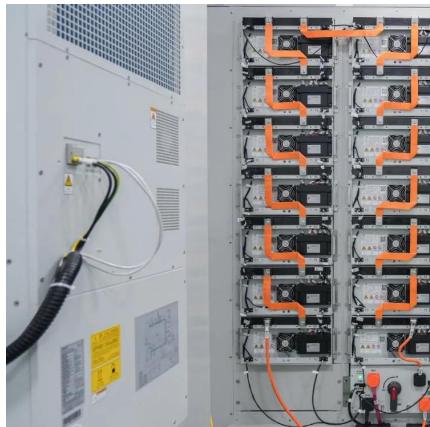


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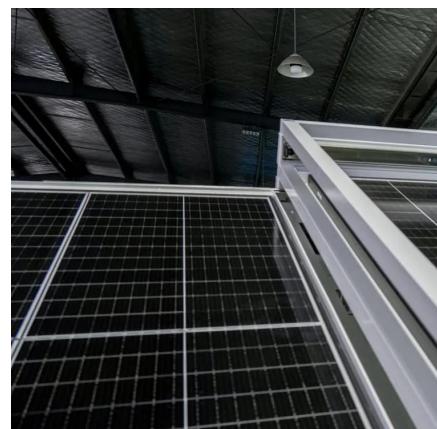
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