

European Solar and Energy Storage Solutions

Namibia green line energy



Overview

Can Namibia produce green hydrogen?

According to cost-projections, Namibia can theoretically produce some of most cost competitive green hydrogen globally. While the country is endowed with significant solar and wind resources, it is today highly dependent on energy imports and drought-vulnerable hydropower.

Could green hydrogen help decarbonise Namibia's mining sector?

The country has modest industrial capacity, does not refine oil domestically, and imports the majority of its fertiliser demand. While there is limited domestic demand, Namibia's hydrogen strategy notes green hydrogen could play a role in decarbonising the mining sector, for example through green hydrogen fuelled heavy-duty mining trucks .

Will hydrogen production affect Namibia's energy supply?

Significant energy demand from hydrogen production could strain Namibia's supply of renewable energy and compete with and delay its efforts to reduce dependence on fossil fuel intensive imports and scale the renewable share in its energy mix.

How does Namibia promote green industrialisation?

Scaling value-added industrialisation is one of Namibia's key development priorities. Its hydrogen strategy promotes green industrialisation through a plan to localise the upstream and downstream green hydrogen supply chain .

What percentage of Namibians have access to electricity?

. only 53% of the population has access to electricity, of which 77% of Namibia's urban inhabitants benefit from this but only 29% of its rural inhabitants. (UN data, 2017). even where the grid is available, 30-40% of households do not have access to electricity (World Bank estimates).

What is Namibia's Hydrogen strategy?

Namibia's hydrogen strategy plans to export hydrogen to Europe, China, Japan, and South Korea in the form of ammonia, green hydrogen-based hot briquetted iron, methanol, and e-kerosene, but the country needs to develop more complex technical and industrial capacity to produce these derivatives.

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Namibia Green Hydrogen Research Institute

The University of Namibia is host to the established Namibia Green Hydrogen Research Institute (NGHRI) through a Senate Resolution (SEN/21/147/10 of 12 October 2021), and approval by Council Resolution (C/22/134/09, of 31 March 2022), in response to Government of Namibia's Green Hydrogen initiatives.

Job opportunities in Namibia's Green Hydrogen sector

By Joseph Mukendwa Namibia's Green Hydrogen sector isn't just about producing energy--it represents a full value chain that involves producing, handling, storing, and transporting hydrogen. More than that, it has the potential to boost local industries, such as producing Green Hot Briquetted Iron and processing critical raw materials, which can drive the ...

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Namibia completes acquisition of 24% stake in Hyphen Hydrogen ...

2 ???· Namibia is a perfect candidate for such a facility but we know South Africa and Kenya are applying for this opportunity too." Hyphen Hydrogen Energy, a Namibian-registered ...

ENS

According to the strategy, Namibia is well-positioned to emerge as a major global hydrogen producer and to establish a large-scale green fuels industry in Namibia by 2050 due to its top-notch renewable energy resources. Namibia is expected to produce and export low-cost derivatives of hydrogen, such as ammonia, methanol, synthetic kerosene, and



Cleanergy Solutions Namibia

Cleanergy Solutions Namibia is driving the growth of Namibia's hydrogen economy while contributing to the global shift towards clean energy. Leveraging the O& L Group's expertise in renewable energy, combined with CMB.TECH's proficiency in producing and applying future fuels, Cleanergy Solutions Namibia is at the forefront of sustainable energy solutions.

Executive summary - Renewable Energy Opportunities for Namibia

Namibia's vast renewable energy potential holds significant opportunities for socio-economic development. Located on the Southwest Atlantic coast of Africa, with a small population of 3 ...



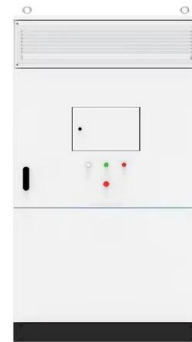
Demystifying Green Hydrogen

Head: Impact and ESG, Namibia Green Hydrogen Programme Along the entire Namibian coastal line, thick mist from the Atlantic regularly rolls into the harsh desert environment throwing a lifeline to lichen, succulents, desert-adapted insects and reptiles, and other living things. This mist is ...



GREEN ENERGY IN NAMIBIA

We touch on the question how the share of green energy in Namibia's energy mix can be increased. A brief introduction and discussion of carbon credits for green energy projects in Namibia is also presented. Lastly, conclusions summarise the main issues, and provide an outlook on the future of green energy in Namibia.



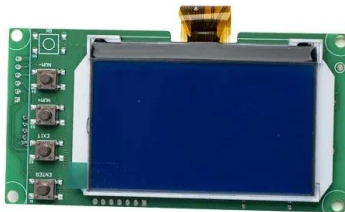
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2 ???· Namibia is a perfect candidate for such a facility but we know South Africa and Kenya are applying for this opportunity too." Hyphen Hydrogen Energy, a Namibian-registered company, was awarded rights through a public tender to develop the country's first large-scale green hydrogen project on state-owned land.

Namibia's Green Hydrogen and Derivatives Strategy

Namibia's "Green Hydrogen and Derivatives Strategy" outlines the nation's ambition to harness its renewable energy resources for green hydrogen production, aiming to contribute up to US\$6 billion to its GDP and create 80,000

jobs by 2030. The strategy envisions exporting hydrogen products globally, establishing three hydrogen valleys within the



EU and Namibia strengthen energy relations

Millions pledged The EU officially launched and signed three funding programmes to support Namibia on its green industrialisation path. Otis Daniels The European Union (EU) commissioner for energy Kadri Simson announced a 25 million euro (N\$494.6 million) contribution to leverage infrastructure investments in support of Namibia's green hydrogen agenda at the Global ...

Namibia's Renewable Energy Revolution: Paving the ...

Moreover, Namibia is exploring the potential of green hydrogen production, which has emerged as a promising opportunity for the country's sustainable energy transition. Green hydrogen is produced through water ...



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Namibia's vast renewable energy potential holds significant opportunities for socio-economic development. Located on the Southwest Atlantic

coast of Africa, with a small population of 3 million people, the country is endowed with world-class solar and wind resources.



Namibia's Renewable Energy Revolution: Paving the Way for ...

Moreover, Namibia is exploring the potential of green hydrogen production, which has emerged as a promising opportunity for the country's sustainable energy transition. Green hydrogen is produced through water electrolysis using renewable energy sources and can be used as a clean energy carrier in various industries.



GreenGo Energy expands into Namibia -- GreenGo ...

GreenGo Energy, a global leader in renewable energy and green hydrogen solutions, is thrilled to announce its strategic expansion into Namibia at this week's Global African Hydrogen Summit (GaH2S) in Windhoek, Namibia. ...

Namibia Green Hydrogen Programme - Exporting Sunlight

In line with the goals of the Paris Agreement, the Government of the Republic of Namibia is pursuing the long-term goal of climate neutrality.

Energy development and designing models for sustainably maximizing fiscal revenue and local development in Renewable Energy investments and green ammonia production. Namibia's world-class solar and



SECTOR PROFILE

Opportunities in the Renewable energy sector in Namibia The Government of Namibia's commitment to supporting renewable energy is prescribed in the Renewable Energy Policy and National Energy Policy. Rapid technology development in So-lar PV, wind, biomass and storage will enable the country to diversify the local generation mix,

Namibia

In Namibia, Green People's Energy promotes the access and use of renewable energy for the population in rural areas. The initiative provides advisory services to actors at different levels. At the policy level, GBE advises decision-makers on how to improve the framework conditions for an expansion of decentralised renewable energies.



Localizing Green Industries in Namibia

Critical to this effort are the Namibia Green Hydrogen Programme and key governmental bodies such as the Ministry of Industrialization and Trade and the Ministry of Mines o Namibia's fusion of energy and mining capabilities emerges as a linchpin for propelling a unified Green Industrialization agenda, leveraging the country's

inherent



Green Hydrogen Symposium: Transforming Energy Landscape

Press Release. Windhoek, Namibia - March 11, 2024 - The Southern African Science Service Centre for Climate Change and Adaptive Land Management (SASSCAL) is pleased to announce the upcoming Green Hydrogen Symposium, themed "Green Hydrogen in Practice: Pilot Projects and Y4H2 Scholarships." The event is scheduled to take place at the ...



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2 ???· The SDG Namibia One Fund, also referred to as Climate Investor Three Namibia (CI3 Namibia), was co-designed by the Namibian and Dutch governments to advance the country's green hydrogen ambitions. Established in 2023, the fund's management team, Nam-H2 Fund Managers, is based in Windhoek and led by CFM, with EIF and Invest International as

**GOVERNMENT OF THE
REPUBLIC OF NAMIBIA A
blueprint ...**

Republic of Namibia, Dr Hage Gottfried Geingob -- and building on the Economic Advancement pillar of the Harambee Prosperity Plan II -- this blueprint charts a pathway for Namibia to leapfrog into green and sustainable industrialisation. At its heart lies the immense potential of hydrogen, a clean energy carrier that promises to position



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Theopolina Kapani: Committed to Namibia's green energy drive

Head of technical and construction at Namibia's Green Hydrogen programme, Theopolina Kapani, has played a pivotal role in advancing the country's clean energy sector. Born in Dordabis near Windhoek, Kapani built her career in the oil and gas industry, working with BP, Shell, Worley, and later in ICT with Huawei.



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