



JULY-AUGUST 2025

100MW SORES | GAIB



**RENEWABLE ENERGY
ASSOCIATION PUSHES FOR
SOLAR PV GREENCARD**



**CLEANERGY PLANS N\$50 BLN
INDUSTRIAL GREEN AMMONIA
SITE AT ARANDIS**



**NAMIBIA MOVES TO
ESTABLISH AFRICA GREEN
INDUSTRIALISATION CENTRE**



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The Imperative of Affordable Electricity

The recent decision by the Electricity Control Board (ECB) to approve a modest 3.8% increase in NamPower's bulk tariff for 2025/2026, significantly lower than the 17.44% initially requested by the power utility, is a welcome relief for Namibians.

This decision, bolstered by a N\$283 million government subsidy, demonstrates a commendable understanding of the delicate balance required to maintain a viable electricity sector while safeguarding the well-being of the populace and fostering economic growth.

However, this approach must become the norm, not the exception, as Namibia navigates its path towards industrialisation amidst persistent poverty and high unemployment.

We face a stark reality: poverty and inequality remain Namibia's most pressing risks. With an estimated 19.7% of the population expected to remain poor in 2025 (based on the international poverty line) and a persistently high Gini coefficient, deep-seated inequality continues to challenge the nation.

For Namibian households, and indeed for a broader segment of the population struggling with an alarming unemployment rate, every cent added to their electricity bill is a heavy burden. Even a seemingly small increase in electricity tariffs, when compounded by other

rising costs, can push vulnerable families further into hardship, undermining efforts to meet basic needs and hindering social upliftment.

Current residential tariffs are already comparatively high, making affordability a critical concern.

Beyond the immediate impact on households, the cost of electricity is a fundamental determinant of Namibia's industrialisation aspirations. Industries, particularly in mining, manufacturing, and agriculture, are energy-intensive. Expensive power inflates operational expenses, erodes competitiveness, deters new investment, and ultimately stifles job creation.

The direct correlation between electricity consumption per capita and real GDP per capita underscores that affordable, abundant power is not a luxury, but a prerequisite for the economic diversification and value addition that Namibia desperately seeks through its mineral beneficiation strategy and the development of emerging industries.

The country cannot become an industrial powerhouse if its factories cannot afford to switch on.

The ECB's actions, including the rejection of higher tariff proposals and the emphasis on

comprehensive stakeholder consultation, are positive indicators of a regulator striving for balance.

Furthermore, the commitment to increase the national electrification rate to 70% and ensure 100% electrification of all schools and health facilities, including electrifying 10,000 households in 2025, demonstrates a clear understanding of energy access as a development enabler.

However, relying solely on government subsidies, while necessary in the short term, is not a sustainable long-term solution. It places a significant strain on national coffers and can mask underlying inefficiencies within the electricity supply chain.

The path forward demands a multi-pronged strategy focused on sustainable, affordable, and locally-sourced energy. This includes accelerating the development and integration of Namibia's vast renewable energy potential, particularly solar and wind power.

Happy Reading!

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Contents

Construction starts for N\$1.6bn 100MW Sores IGaib solar plant	4-6
Renewable Energy Association pushes for Solar PV Greencard.....	7
Cleanergy to build N\$50bn Green Ammonia site at Arandis.....	8-9
N\$4.5bn at Namibia's disposal for Industrial Decarbonisation.....	10-11
ECB announces distribution utilities end-consumer tariffs.....	12-13
Namibia moves to establish Africa Green Industrialisation Centre.....	15
Sarens Siba does the heavy lifting for Diaz Wind Farm.....	16
N\$25m Green Hydrogen scholarships for Namibian youth	17
Zambia launches 100 MW Chisamba Solar Energy Project.....	18
SADC calls for accelerated action to meet 4 210 MW shortfall	19
All Set for 2nd Edition of Global African Hydrogen Summit.....	20-21
South Africa's first molten salt solar power plant goes live	22

Cover picture:

NAMIBIA'S LARGEST SOLAR PV PLANT: Construction has started at NamPower's biggest solar photovoltaic (PV) power plant, the 100MW Sores IGAI B Power Station, located some 33km northwest of Rosh Pinah, in the //Kharas Region. NamPower is investing N\$1.6 billion in the project which is being implemented by the China Jiangxi International Economic and Technical Cooperation (CJIC) and Chint New Energy Development (Zhejiang) joint venture. *Artist's image for illustration only*



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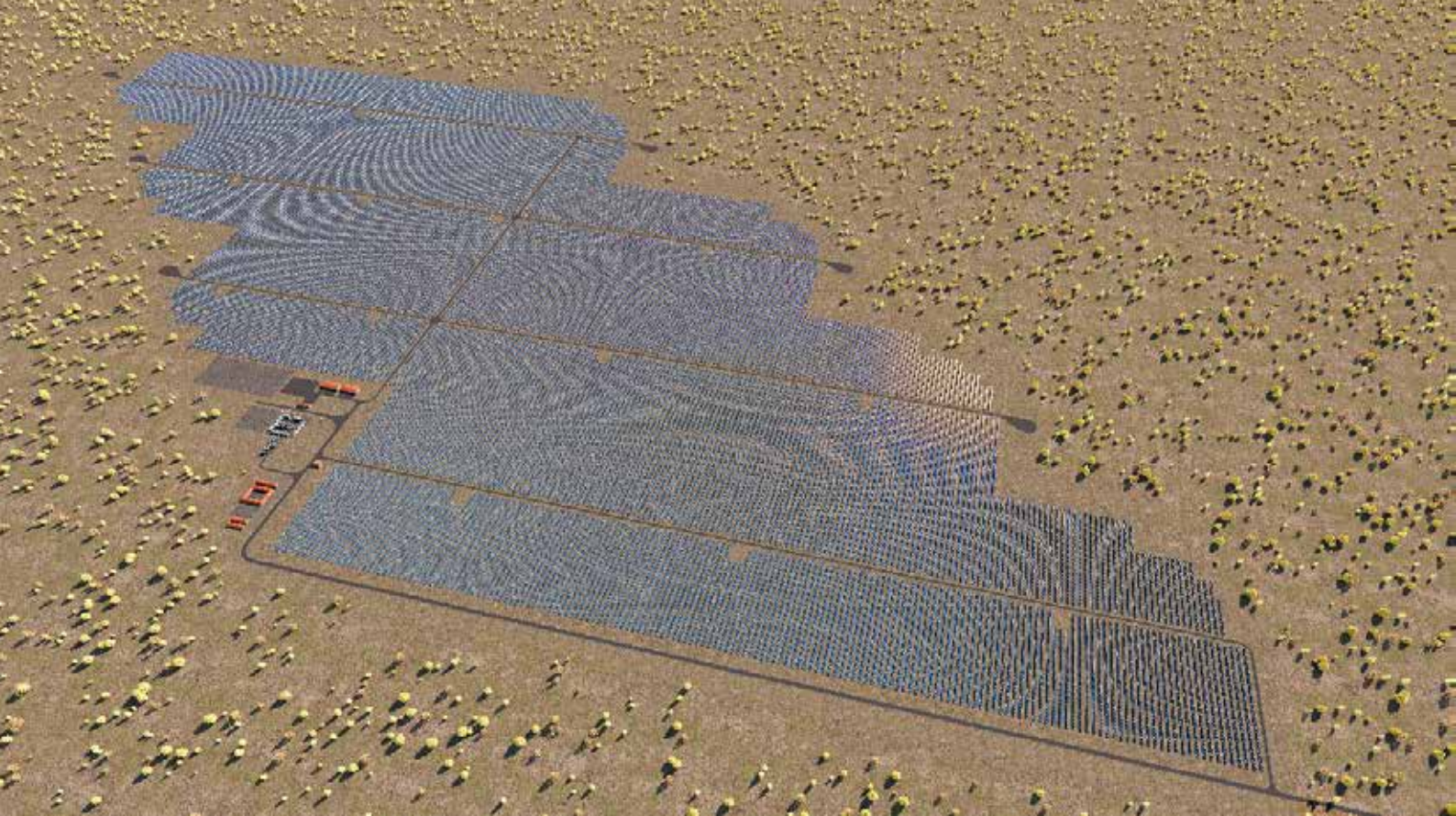
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GITANTIC PLANT: An artist's impression of the 100MW Sores |GAIB Power Station near Rosh Pinah

Construction Starts at NamPower's N\$1.6 Billion 100MW Sores |GAIB Power Station Near Rosh Pinah

Construction work has kicked off at NamPower's biggest solar photovoltaic (PV) power plant, the 100MW Sores |GAIB Power Station, located some 33km northwest of Rosh Pinah, in the //Karas Region.

Sores |Gaib, which means "Power of the Sun" in Khoekhoegowab, will be Namibia's largest solar PV power station to date. Upon completion, the power station will contribute significantly to the national energy mix, displacing a significant amount of imported energy and reducing reliance on fossil fuels.

The solar plant is scheduled to be commissioned in June 2026.

NamPower's total investment in this project stands at N\$1.6 billion. The project is funded through a combination of a loan from KfW (German development bank, equivalent to about N\$1.3 billion) and the remainder from NamPower's own reserves. The loan was facilitated within the framework of the intergovernmental agreement, underscoring the enduring partnership and cordial relations between the Namibian and German governments.

The China Jiangxi International Economic and Technical Cooperation (CJIC) and Chint New Energy Development (Zhejiang) joint venture has been contracted to develop the landmark power station.

At least 25% of the contract price, equivalent to N\$356 million will go towards local content. NamPower has prioritised local content participation and skills development as integral

components of its implementation strategy. Also, through the project's Environmental and Social Management Plan, the company has made firm commitments to preserve the integrity of the environment through protecting biodiversity and promoting responsible labour and community engagement practices.

During the construction phase of this project, over 300 direct jobs are expected to be created with the aim of employing local labour and thereby promoting skills development.

NamPower Managing Director Kahenge Haulofu said the gigantic solar plant represented the turning of a page in Namibia's journey towards cleaner, greener, and sustainable energy. He said the Sores |Gaib Power Station represents progress and a long-term commitment to the sustainable development of Namibia.

"Allow me to give you some background on how we came to the name Sores |Gaib. The project was initially called the Rosh Pinah 100 MW PV Power Station. We, however, saw the need for it to have its own unique name. The name Sores |Gaib, which in Khoekhoegowab means "Power of the Sun" was suggested by one of our employees, through a competition to name the power station. The name honours our heritage, reflects our vision, and embodies the energy of the future," Haulofu said.

He said as part of the utility's current Integrated Strategic Business Plan, NamPower made a commitment and undertaking that it will ensure security of electricity supply for the country,

through a least-cost supply mix, by diversifying the local energy mix and increasing local generation capacity via the implementation of strategic and affordable generation projects.

Apart from the Sores |Gaib, other projects which form the strategic generation projects of NamPower include:

- The 20 MW Omburu Solar PV Power Station, which was completed in 2022;
- The 54 MW Anixas II Power Station which we inaugurated in March this year and adds to the existing 22.5 MW at the station;
- The 40 MW Biomass Power Project, currently in execution; and
- The 54 MW Battery Energy Storage System at Omburu Substation outside Omaruru, currently in execution.

Haulofu also said that in view of the expansion of generation plants, NamPower was extending its transmission infrastructure, through its 400 kV Expansion Programme, to provide for current and future national load requirements as the needs of an expanding Namibian population and economy requires.

The programme entails the construction of three major transmission lines, which are:

- The Auas – Gerus 400 kV transmission line, which was inaugurated in April last year.
- The Obib – Oranjemund Transmission Line, which will form a second 400 kV interconnector link between NamPower and Eskom in South Africa. The construction of the line has been completed; however, it will only be energised once the substation works, which are currently underway, have been completed.
- The Auas – Kokerboom II Transmission Line, a second 400 kV link between NamPower's Kokerboom substation near Keetmanshoop and Auas Substation. Construction of the line is expected to commence once line designs are finalised.

The NamPower MD said the execution of the Sores |Gaib solar PV power project was a testament to strong partnerships the power utility has forged. He paid special tribute to the German government through the KfW Development Bank, for its long-standing support in funding and enabling Namibia's energy transition.

"As we proceed with construction work, I urge all team members of the



GROUNDBREAKING CEREMONY: Deng Yan, representative of the EPC Contractor -China Jiangxi International Corporation and Chint New Energy Development Joint Venture, NamPower MD Kahenge Haulofu and the Regional Councillor of the Oranjemund Constituency Lazarus Nangolo at the groundbreaking ceremony.

project, specifically our contractor, as well as our engineer, Mott MacDonald, together with our NamPower project team to remain guided by a strong commitment to transparency, safety, and accountability. We are fully aware that what we build here must stand the test of time, deliver value for decades to come, and reflect the highest standards of technical and environmental performance," said Haulofu.

"As NamPower, we believe that energy is not just about infrastructure, it is about impact. Impact on households that gain access to sustainable energy, on businesses that thrive because of reliable electricity, and on communities that gain new economic opportunities," said the NamPower MD.

Deng Yan, the Managing Director of China Jiangxi International Namibia, expressed his sincere appreciation for the confidence placed in his company by NamPower, adding that CJIC takes its responsibility to deliver seriously. He said his company's role as the EPC contractor for the 100MW PV plant demonstrates not only their technical competence, but also the company's deep commitment to project excellence and timely delivery.

"We fully understand that this project is more than a renewable energy initiative—it is a cornerstone of the region's sustainable development strategy and a significant step toward energy independence," said Yan.

As one of Engineering News-Record's

(ENR's) Top 250 International Contractors, CJIC brings with it decades of experience, technical excellence, and global perspective.

"We have successfully delivered hundreds of projects across more than 50 countries and regions, covering infrastructure, energy, housing, and industrial facilities.

Our team consists of highly trained engineers, project managers, and skilled workers who operate under a philosophy of efficiency, integrity, and innovation," he said. Yan said from design optimisation and procurement to quality control and safety assurance, every step of the Sores |Gaib project will be managed to the highest international standards.

"Our goal is simple: to deliver a solar power facility that meets and exceeds expectations in quality, safety, efficiency, and performance. But, beyond our professional commitments, we also recognise our social responsibility to the community. CJIC is not here just to build infrastructure—we are here to build trust, opportunity, and shared value. We are committed to employing local labour as much as we can, supporting skills transfer, and ensuring that this project leaves a positive and lasting impact on the people of Rosh Pinah and beyond," he said.

Yan made an undertaking to actively engage with local stakeholders to ensure that community needs and voices are respected throughout the project lifecycle.



SORES IGAILB POWER STATION GROUNDBREAKING CEREMONY



Kahenge Haulofu



Deng Yan



Gerson Rukata



Fred Bailey



Ben Mingeli



REIAoN Pushes for Solar PV Greencard for Namibia

The Renewable Energy Industry Association of Namibia (REIAoN) held its annual general meeting on the 10th of July, at which it outlined its key focus areas for the coming year.

Chairperson Jean Basson told the meeting that REIAoN had resolved to narrow its focus to pertinent issues affecting its members. He said focus would be placed on strategic alignments that members can benefit from directly, and on key items such as the clarification of Net Metering Regulations, along with the development of a PV Greencard for the local solar industry.

REIAoN has established contact with the Green Solar Academy, the South African Photovoltaic Industry Association (SAPVIA), and the German Solar Association (BSW) to seek assistance in implementing the PV Greencard. The aim is to include installers and suppliers in the Greencard certification. The PV Greencard will help promote high standards in the Namibian solar photovoltaic industry through vetting installation companies, training installers and ensuring adherence to standards and best practices, among others.

Basson said REIAoN would implement the PV Greencard for Namibia in stages as follows;

- a) Set up a guideline applicable to Namibia;
- b) Setup first local training workshops
- c) Engage the Regional Electricity Distributors (REDs), Municipalities, Banks etc, to adopt the PV Greencard;
- d) Train local facilitators and suppliers; and
- e) Work on creating a database of installers and suppliers.

The plan was to roll out the first part of the initiative early in 2026. With the initiative requiring significant input to ensure successful implementation, REIAoN is seeking financial assistance from financial institutions and other donors to make the PV Greencard a reality for Namibia.

REIAoN also reported back on some of their key engagements over the last year. Which included engaging international renewable energy agencies as well as being recently admitted as a member of the Global Solar Council (GSC). The GSC is a uniquely positioned association, uniting the global solar industry across the value chain in mature and emerging markets globally. GSC supports the industry to advocate for policies and regulations at global and national level to ensure the rapid and long-term growth of the solar PV industry. It also brings together policymakers, industry, international institutions,



REIAoN Chairperson Jean Basson

and investors to provide them with best practices and build capacity to open doors to new markets and business opportunities. GSC leverages its expertise to develop and promote global standards and solutions for solar PV to shape a competitive, high-quality, and sustainable industry.

The association had engagements with the Danish Energy Agency, the Estonian Cleantech Association and Evolen, the French trade association serving energy industry companies and professionals.

Basson also outlined the need to revisit the Net Metering rules with the Electricity Control Board (ECB) as there was currently confusion on the requirements by individual distributors and municipalities. REIAoN will also seek clarification on the City of Windhoek regulation that all rooftop systems must be registered (whether feeding into the grid or not).

REIAoN would like to see more Namibian companies being contracted to develop, design, build and maintain local renewable projects. Basson said the association wants to see more Namibian participation in the new renewable energy generation plants being built in the country, and that tenders should reflect this requirement.

"These projects should be prioritized for Namibians and the restrictive requirements (capital and technical), that make it difficult for local companies to compete for these projects, should be reduced or removed," said Basson.



FAMILIARISATION: Members of the Arandis Town Council recently undertook a familiarisation visit to Cleanergy Solutions Namibia in Walvis Bay.

Cleanergy Crafts N\$50 Billion Industrial Green Ammonia Production Site at Arandis

Cleanergy Solutions Namibia has taken the lead in developing green hydrogen and green ammonia facilities in the Erongo region.

Leveraging its strategic partnership - the expertise in renewable energy of Ohlthaver & List and the extensive knowledge in hydrogen and ammonia of CMB.TECH, Cleanergy is dedicated to pioneering sustainable solutions that will generate significant, measurable value for Namibia and its people.

Recently, Cleanergy Solutions Namibia announced its plans to construct a N\$50 billion large-scale green hydrogen and ammonia production facility at Arandis. The facility, to be developed on 2 400 hectares of land, will host a 900 megawatts solar power and 500 megawatts of electrolyser capacity, producing an estimated 200 000 tonnes of ammonia annually.

Arandis Town Council CEO Stanley Norris said that council has approved the land and strategic framework for the hydrogen plant and anticipates significant economic

and industrial transformation.

"This means a shift from light to heavy industry for Arandis, powered primarily by solar energy. We are finalising contracts in phased developments and have already received N\$20 million to service one of our residential extensions to support incoming workers and businesses," Norris said.

"There will be up-scaling from industry to heavy industry. The primary commodity that will be used to upscale is sunlight because Arandis has solar radiation most of the year and for a hybrid application - that is solar and other energy - Arandis is conducive as it can produce about 92% energy production," said Norris.

Common user infrastructure will include pipelines and storage tanks for water, hydrogen, ammonia and other deviates. This covers port, railway, road and power infrastructure and may include handling and storage facilities.

The Arandis Town Council approved the project in 2024.

The construction phase of the project is expected to commence in the fourth quarter of 2026, while operations will begin in 2030.

Addressing a high-level stakeholder's conference at Walvis Bay, Deputy Minister of Urban and Rural Development, Evelyn Nawases-Taeyele, praised Namibia's progress towards establishing itself as a hydrogen pioneer through O&L's partnership with Belgian firm CMB.TECH.

The collaboration has already seen the launch of the Cleanergy Solutions' pilot hydrogen project outside Walvis Bay focusing on hydrogen production for maritime transport applications. The pilot site, referred to as Hydrogen Dune, is Namibia's first complete hydrogen production and refuelling facility, valued at approximately N\$600 million, with partial funding from the German Ministry for Education and Research.

The Arandis ammonia bunkering terminal will yield 700 jobs which will include 85 permanent staff.

The Deputy Minister said that the project will also be crucial for developing technical skills necessary for the future industries.

"It is my strong belief that together, we have a great chance to build a legacy that resonates through generations to come," she said.

Cleanergy Solutions Managing Director, Eike Krafft, said the Walvis Bay facility uses solar energy and battery storage to produce hydrogen through electrolysis, and includes storage tanks, a mobile refueller, and Namibia's first hydrogen academy.

"We are already testing a variety of applications, including hydrogen-powered trucks, generators, tractors, and a soon-to-arrive hydrogen locomotive. We are also developing a multi-purpose port utility vessel and a 55 000-tonne ammonia storage terminal at Walvis Bay," Krafft said.

Cleanergy Solutions Namibia envisions a future, within the next decade, where Namibia stands as a global leader in clean energy innovation, with green hydrogen production at its core.

Namibia's clean energy landscape will be characterised by state-of-the-art facilities, widespread carbon emissions reduction and robust economic prosperity, driven by the company's commitment to excellence, innovation, and strategic partnerships. This transformation will not only empower Namibians but also inspire the world to accelerate its transition towards sustainable energy sources.



PIONEERING: The Cleanergy Solutions Namibia pilot facility at Walvis Bay, referred to as Hydrogen Dune, is Namibia's first complete hydrogen production and refuelling facility.



GREEN ENERGY: The Cleanergy facility uses solar energy and battery storage to produce hydrogen through electrolysis, and includes storage tanks, a mobile refueller, and Namibia's first hydrogen academy.



DECARBONISING INDUSTRY: From left; Jacob Thoppil (CIF, External Relations and Partnerships Lead), Dolf Gielen (World Bank, Senior Energy Economist), Nadia Taobane (World Bank, Senior Energy Economist), James Mnyupe (NGH2P - Head of Programme), Tariye Gbadegesin (CIF CEO), Emmanuel Kouadio (CIF, Lead Climate Resilience Programs), Siddharth Dasgupta (CIF, Senior Industry Specialist) and Gadi Taj Ndahumba (ALSF, Chief Legal Counsel) pictured during World Bank Spring meetings on 24 April 2025.

N\$4.5 Billion at Namibia's Disposal for Industrial Decarbonisation

... As Clean Energy Deployment Takes Centre Stage

Namibia has been invited to participate in the multilateral Climate Investment Fund's (CIF) ground-breaking US\$1 billion Industry Decarbonisation Investment program, the first global concessional finance initiative dedicated to reducing industrial greenhouse gas (GHG) emissions in developing countries.

Namibia was chosen from 26 global applicants and has now been invited to craft an investment plan that outlines how it plans to mobilise up to US\$250 million (about N\$4.5 billion) of concessional capital to pioneer industry decarbonisation within its borders and beyond.

Through the deployment of concessional funding, the program is designed to support the private sector

in developing clean technology supply chains, catalyse investment in low to net-zero carbon business models, and drive the regional transition of high-emitting industries toward zero-carbon practices. The CIF notes that in the process, the program aims to position recipient countries for long-term economic competitiveness and will enable them to take advantage of the global market for green industrial goods projected to reach US\$2 trillion by 2030.

Finance Minister Ericah Shafudah said the government was committed to mobilising fit for purpose capital as espoused in its Development Finance Report which recognised the utility of blended financing as a key instrument to engender socio-economic emancipation.

"We are excited to work closely with our private sector



and our development partners to build future proof industrial clusters that can deliver the sustainable growth, employment opportunities, and economic diversification we seek," she said.

James Mnyupe, Head of the Namibia Green Hydrogen Programme (NGHP) said the country's application and subsequent selection to develop an investment plan, marks a critical milestone in Namibia's industrial transformation journey.

"The CIF Industry Decarbonisation program will enable us to demonstrate how concessional finance can de-risk pioneering investments in green industries while ensuring the region's transition is just, inclusive, and aligned with its developmental priorities. We are proud to have worked closely with our government and Ninety One to have crafted what has been recognised as a pioneering vision for our country and indeed Southern Africa.

"We look forward to co-developing an investment plan aligned with our forthcoming Sixth National Development Plan (NDP6). Green industrialisation will be a key driver of inclusive economic growth, job creation, and progressive climate action for Namibia," said Mnyupe.

Namibia's successful application ranked third globally and is expected to catalyse significant co-financing from multilateral development banks and private sector partners and aligns with the country's national objective to attract foreign direct investment.

With support from the CIF, Namibia intends to:

- **Catalyse green industrialisation** by developing critical minerals, green hydrogen, and renewable energy value chains;

- **Transform its electricity sector** by enhancing energy independence and security through clean energy deployment;
- Support decarbonisation of regional power pools, **encouraging integration and cleaner energy exchanges across Southern Africa**;
- Promote inclusive development through the creation of green jobs, local and regional value addition and broader **access to energy** and;
- **Undertake institutional strengthening** through capacity building to support a just and equitable transition, grounded in gender inclusive strategies.

By strategically deploying CIF funding, Namibia will showcase how smaller nations can lead the energy transition through innovation and regional cooperation.

CIF Chief Executive Officer Tariye Gbadegesin said the global race to decarbonise industry has begun, and emerging markets are out in the front.

"Decarbonising Industry is about more than emissions - it's about securing long-term prosperity and the jobs of tomorrow. And it's about producing the low-carbon industrial inputs that are urgently needed to expand renewable energy capacity and power the global economy," she said.

Anthony Nyong, Director for Climate Change and Green Growth at the African Development Bank (AfDB) noted that industrial decarbonisation is not only essential for reducing emissions, but it also presents a transformative opportunity for inclusive and sustainable growth across Africa.

"As one of the fastest-growing regions after Southeast Asia, with a relatively clean baseline, Africa is uniquely positioned to leapfrog towards a zero-emission, climate-resilient future. Investing in Africa's decarbonisation sector offers high-impact, efficient, and inclusive outcomes.

AfDB is proud to partner with CIF on this pioneering initiative, which will support countries in charting low-carbon industrial pathways, creating green jobs, and enhancing global competitiveness in climate-smart industries," he said.

Nazmeera Moola, Chief Sustainability Officer at Ninety One, said: "Namibia's selection for the CIF program shows just how big the opportunity is for emerging markets to lead in the move towards cleaner, more sustainable industries. What matters now is turning that opportunity into real, lasting impact."

Eino Emvula, Managing Director of Ninety One Africa (excluding South Africa), remarked that with the CIF's support, Namibia has a real opportunity to grow its economy in a cleaner, more sustainable way, enhance its energy independence and serve as a model for other emerging markets.

"At Ninety One, we've seen first-hand how well-deployed capital can transform economies and uplift communities. By building sustainable industries from the ground up, Namibia can set a compelling example for other emerging markets striving to reach net zero in a way that works for their people and their future," said Emvula.

Practice Manager, Energy Sector Management Assistance Program (ESMAP) at the World Bank, Chandrasekar Govindarajulu, said he looks forward to supporting the countries that have been selected to develop an investment plan for the CIF Industry Decarbonisation investment program.

ECB Announces Distribution Utilities End-Consumer Tariffs for 2025-2026

The Electricity Control Board (ECB) announced a 3.8% NamPower bulk electricity tariff in May this year, which was supported with a financial support of N\$283 million by the Namibian Government, equivalent to 3.8%. This adjustment changed the average tariff, which is applicable to NamPower bulk customers such as Regional Electricity Distributors (REDs), Local Authorities, Regional Councils and large industrial transmission customers (such as mines), from N\$1.9856 per kWh to N\$ 2.0611 per kWh for the financial period 2025/2026.

Following the bulk electricity tariff announcement, all distribution licensees were urged to individually apply to the ECB for a review of their distribution tariffs, which are applicable to end consumers effective July 2025.

To enhance end-consumers' involvement in the determination of distribution utilities end-user tariff, the ECB directed major distribution utilities to present their tariff applications directly to consumers and customers in their designated areas. These engagements did indeed take place, facilitated by the ECB. Some of the key concerns highlighted are:

- High operating costs;
- Opposition to continuous tariff increases;
- Increased procurement from Independent Power Producers (IPPs);
- Long-term plans to reduce reliance on costly imports;
- Social tariffs for pensioners and low-income households;
- Requests for clarity on cross-subsidies between business, residential, and rural consumers;
- Transparency of surcharge calculations;
- Concerns about delays in electrification in townships and rural areas;
- Limited engagement with licensees; and
- Slow service rollout.



Robert Kahimise

Following the internal due diligence process, the ECB approved distribution utilities' end-consumer tariffs, effective 1 July 2025 until 30 June 2026. The distribution utilities' end-consumer tariffs applications were submitted to the ECB between 13 May and 15 June 2025.

Licensee		% Application	% Approved	Effective date for Post paid	Effective date for Pre-paid
1.	NamPower Distribution	3.02	1.7	01 July 2025	04 July 2025
2.	CENORED	5.8	3.8	01 July 2025	04 July 2025
3.	CENORED Omaheke	1.5	0.75	01 July 2025	04 July 2025
4.	Oshakati Premier Electric (OPE)	4.19	3.5	01 July 2025	04 July 2025
5.	Erongo RED	3.7	3.7	01 July 2025	04 July 2025

In addition, the following distributors also applied before 15 June 2025 for their tariff increases, however, their approved schedule of tariffs will be pending until they comply with ECB conditions stipulated below.

Licensee		% Application	% Approved
1.	NORED	7.4	4
2.	City of Windhoek	4	3.9

The two licensees must comply with the following conditions before the approved tariffs can be applied:

- i. NORED
 - o Submit audited financial statements for 2022/2023 financial period.
 - o Obtain auditors' commitment to finalize 2023/2024 audited financial statements.
 - o Power Quality (Quality of Supply and Quality of Service) reports.

ii. City of Windhoek

- o Submit Operating and Reporting Manual Financial Statements (2023/2024).
- o Provide ECB with a detailed report on Electricity Business Unit ring-fencing progress status and the measures to fully ring-fence the business unit.
- o Power Quality (Quality of Supply and Quality of Service) reports.

The ECB commended the distribution utilities which submitted their tariff applications on time, in line with regulatory directives. Going forward, the regulator said habitual non-compliance will not be tolerated, and all licensees are directed to submit their tariff applications promptly following the bulk tariff announcement.

ECB BOARD DECISIONS RELATED TO NAMIBIAN ESI INDUSTRY

The ECB Board meeting held on 12 June 2025 recommended the approval of the following generation licences by the Minister of Industries, Mines and Energy (MIME):

	Applicant	License Type	Installed Capacity	Source	Intended Off taker
1.	Telecom Namibian	Generation	2.4MW	Thermal/Diesel Genset	Own consumption
2.	NamPower Rosh Pinah plant	Generation	124.98 MWp (maximum export capacity of 100 MWac)	Solar PV Plant	Own consumption
3.	Dunes Mall	Generation	1.27MWp	Solar PV Plant	Own consumption
4.	EPF Systems <ul style="list-style-type: none"> • Kokerboom • Hardap • Auas • Obib 	Generation (x4)	40 MWp to export 30 MWac – 160MWh battery energy storage system (BESS)	Solar PV Plant	Export

The ECB Board also resolved to amend the Rössing Uranium Limited generation licence with an increase of installed capacity to 30MVA for the remaining period of the licence. The Board further resolved in favour of a renewal of distribution and supply licenses for //Au-Ob RED shareholders that have signed the shareholders agreement with //Au-Ob RED, for a licence period of 12 months from 01 July 2025 until 30 June 2026 or until such time that //Au-Ob RED is established and operational, whichever event occurs first. Approval of the amended shareholders agreement by the Auditor-General's Office is still pending, and ECB is actively following up on this matter.

In addition, the ECB Board approved the following regulatory instruments, which are expected to aid the further growth of the Namibian ESI:

Regulatory Instrument	Next Course of Action
The Board approved the revised Wheeling Framework, Version 6.	Done
The Board approved the revised Transmission Grid Code.	The Transmission Grid Code was submitted to the Minister for approval.
The Board approved the revised Distribution Grid Code.	The Distribution Grid Code was submitted to the Minister for approval.
The Board approved the Connection Code.	The Connection Code was submitted to the Minister for approval.
The Board approved the Embedded Generation Standard.	The Standard was submitted to the NSI for adoption.
The Board approved the National Connection Charge Code.	The National Connection Charge Code was submitted to the Minister for approval.

NAMPOWER OUTSTANDING DEBT

The debt owed to NamPower by local authorities and regional councils is increasing at an average of N\$10 million per month. The Rehoboth Town Council remains on a bulk prepayment arrangement. Its debt continues to grow by about N\$1.2 million per month due to interest charges. This is because only 10% of the prepaid amount is being applied to the debt, which slows down repayment. The ECB Board at its meeting on 12 June 2025 recommended that NamPower consider stopping interest charges on arrears for local authorities that are making good-faith efforts to repay their debts.

IMPLEMENTATION OF THE NATIONAL INTEGRATED RESOURCE PLAN (NIRP)

The Anixas and Khan plants have been completed. The CERIM project experienced delays due to land rights issues, which also affected financial close. The Rosh Pinah solar PV plant is expected to be commissioned in the second quarter of 2026, while the Otjikoto biomass plant is scheduled for commissioning in the second quarter of 2027. NamPower's Battery Energy Storage System (BESS) is set to come online in the fourth quarter of 2025. These plants will aid Namibia's efforts towards security of electricity supply and help the country to lessen dependence on electricity imports, which are expensive.

Chief Executive Officer Robert Kahimise assured the Namibian public that the ECB will continue to take a measured judgement in every step of the electricity tariff review process, thereby ensuring electricity affordability, reliability and security of supply, and sustained economic industry performance.



Africa's Ultimate Ports Experience



Training and Workforce Development

To support the green hydrogen industry effectively, Namport is investing heavily in workforce training and upskilling, in collaboration with training institutions and industry experts. Specialized programs focused on green hydrogen logistics and handling will ensure that staff are well-prepared to manage and support the industry's growth.



Community and Environmental Responsibility

Namport is mindful of the heritage sites near its ports, such as Shark Island at the Port of Lüderitz and therefore is committed to engaging with local communities and stakeholders to ensure that development plans respect and preserve cultural and historical legacies.



Future Developments

The Port of Lüderitz is set to expand its capacity in response to the expected increase in cargo volumes from green hydrogen projects. Planned upgrades include specialized terminals, improved berthing facilities, and advanced logistics technologies, transforming it into a key regional trade hub and a vital node for exporting green hydrogen derivatives.

At the Port of Walvis Bay, a master planning exercise in 2022 outlined a 50-year phased development plan. Initial efforts focus on enhancing liquid bulk handling and establishing a tank farm. Future phases involve land reclamation for multi-purpose dry bulk terminals, ship repair zones, and coal terminals, ultimately positioning the North Port as a hub for long-term port development.

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Namibia Moves to Establish Africa Green Industrialisation Centre

Namibia has unveiled plans to establish a centre to support African governments and companies in identifying and benefiting from green industrialisation opportunities. The centre, to be named the African Sustainable Industrialisation Institute, is expected to be up and running by the end of 2025.

James Mnyupe, the Namibia Green Hydrogen Programme (NGHP) Commissioner made the announcement during the Namibia Parliamentary Green Investment Dialogue held in Walvis Bay from 10 to 13 July.

"This will be a continental centre of excellence, headquartered in Namibia but tasked with helping African governments and companies understand and exploit the opportunities pre-created by green industrialisation," the Commissioner said.

The institute will have two main focal areas – policy development and strategic capital mobilisation.

The policy development arm will work with governments and parliamentarians to develop policies that make African countries globally competitive.

"We will help with policy development, working closely with governments and parliamentarians to put together strong policies that will make African countries competitive relative to a global basis," said Mnyupe.

The second arm will focus on mobilising strategic capital to implement industrial clusters that can drive economic transformation across the continent.

"If we succeed in helping you establish these policies, we would like to mobilise strategic capital to enable you to deliver industrial clusters that will bring economic emancipation and pride to all of us here on the continent," the Commissioner told the Parliamentarians.

The idea of the Africa Green Industrialisation Centre is still subject for discussion with the Office of the Prime Minister, the Deputy Prime Minister and Minister of Industries, Mines and Energy and the Green Hydrogen Council. Mnyupe appealed for support from Parliament and Cabinet to move the project forward over the next six months.

The Namibia Parliamentary Green Investment Dialogue brought together financial experts, investors, and guarantors with lawmakers to share insights and strengthen collaboration.

Deputy Prime Minister and Minister of Industries, Mines and Energy Natangwe Ithete urged lawmakers and development partners to support Namibia's green transition



James Mnyupe, Namibia Green Hydrogen Commissioner

agenda, which he said is not only timely but necessary.

Ithete emphasised the need to transition Namibia and the world towards a low-carbon, climate-resilient economy that is inclusive, competitive, and sustainable.

"We are investing in ensuring that infrastructure, investment, and innovation are matched by skilled local talent and that current efforts are carried on by future generations," he said.

Namibia has doubled its renewable

energy capacity in the past five years. The 30 MW Omburu Solar Plant and the planned electrification of rural schools and health facilities using solar PV are part of efforts to link clean energy with human development.

"Namibia's green energy journey is not just a climate strategy — it is a national development necessity. We are not waiting to act. We are building the infrastructure, partnerships, institutions, and ecosystems necessary to thrive in a carbon-constrained future," the Deputy Prime Minister said.

Sarens Does the Heavy Lifting for Diaz Wind Farm

Hheavy lifting and crane rental services company Sarens, through its South African division Sarens Siba, is working on the installation of 125 t wind turbine generators (WTGs) for the first phase of the InnoVent Diaz onshore wind farm, with the second phase scheduled to start soon after.

The new InnoVent Diaz wind farm will be able to reach an energy capacity of 44 MW and will produce 230 GWh/y of renewable electricity once commissioned by the end of this year.

The facility, owned by InnoVent, is located near Lüderitz. Its estimated output represents about 6% of Namibia's electricity demand, thereby avoiding the release of 200 000 t/y of CO₂.

Sarens' first interaction was a preliminary site visit and engineering services in 2020. The project is currently in execution with work being carried out on Diaz I, whereafter the Diaz II project will start.

Preliminary analysis of the facilities, orography, climatic conditions and other parameters defined the best equipment to carry out the lifting and installation of the wind turbines.

Following the study, it was decided to deploy cranes such

as a 500 t crawler crane, and 500 t, 300 t and 130 t all-terrain cranes, along with 12 axles of K25 self-propelled modular transporters.

The crawler crane was selected owing to its limited footprint compared to other crane models, along with its lifting capacity and range of movements. This equipment had to be shipped to the site from various Sarens international business units.

The lifting and installation of the WTGs at the Diaz Wind Farm includes towers, rotors, nacelles, generators and blades, with weights ranging from 6 t to 90 t. For most of these jobs, CC 2500-1 and GMK 6300 cranes will be performing the lifting in tandem.

Namibia aims to produce 70% of its electricity from renewable sources by 2030. However, it currently imports 60% to 70% of its electricity, primarily from South Africa, where electricity is predominantly generated from coal.

The InnoVent Diaz Wind Farm, when complete, is expected to generate 13% of the country's total electricity production. Given Namibia's primary reliance on coal for electricity generation, this initiative is projected to result in savings of 89.7-million kilograms of coal a year. - **Creamer Media**



INSTALLATION: A Sarens Siba crane lifting heavy equipment at the site of the InnoVent Diaz onshore wind farm.

N\$25 million Scholarships to Prepare Namibian Youth for Green Hydrogen Sector

A third call for applications for the Youth for Green Hydrogen Scholarship programme has been launched by Vice President Lucia Witbooi. The new round of scholarships targets youth from the Hardap and //Kharas regions.

The programme is funded by the Namibian Government through the Namibia Green Hydrogen Programme (NGH2P), a collaborative effort with the Federal Republic of Germany, which has provided the financial support.

It is anticipated that 70 to 80 young Namibians will be offered the opportunity to gain practical training in critical trades such as solar technology, welding, electrics, mechatronics, plumbing, and industrial mechanics. To date, over 150 Namibian youth have benefited from green hydrogen-related scholarships, with several having already completed their studies.

"As we reflected on the outcomes of those first two rounds, it became clear that we still had work to do to ensure equitable access, particularly for the youth of the Hardap and //Kharas regions, and it is, therefore, with great pride, that I announce the launch of the 3rd call for applications for a targeted skills development scholarship programme, for which we have secured N\$25 million, dedicated specifically to supporting students from these two regions," Witbooi said.

Deputy head of the German Embassy in Namibia, Florian Seitz, highlighted Namibia's vast potential for green hydrogen production and commended the country's vision and commitment in shaping a sustainable future.

"Germany is proud to be part of this journey. This programme is an important training initiative but it also reflects Germany's strong political commitment to Namibia and its future. These scholarships are 100% funded by the German taxpayer—a further proof of our special partnership," he said.

Deputy President Witbooi said given its world-class renewable energy potential in the form of abundant wind and sun resources, Namibia is in an optimal location to be a globally competitive producer of Green Hydrogen and its derivatives.

"Namibia is on the cusp of transforming its economy through green hydrogen and its related industries. We have the potential to become a global and a beacon for sustainable industrialisation on the African continent. But to realise this vision, we must invest in people. Infrastructure without skills is like a car without a driver, full of potential but unable to move forward," she said.

She said the green hydrogen economy will not only need scientists and engineers, but will also require technicians, welders, electricians,



BUILDING SKILLS: Vice President Lucia Witbooi launching the third call for applications for the Youth for Green Hydrogen Scholarship programme at Gibeon.



TEAM EFFORT: Some of the Green Hydrogen Scholarship sponsors and stakeholders who attended the launch.

plumbers and safety inspectors.

"These are the trades which will form the backbone of Namibia's green industrial future," said the Deputy President.

Under this special call, the Scholarship Programme will offer scholarships to Namibian Youth aged 18 – 35 years from the two regions, to undergo training TVET Certificate courses, in cutting across other sectors.

In order to qualify, applicants should possess a minimum of a Namibia Senior Secondary Certificate, Ordinary Level, Grade 11 school leaving certificate, with at least 18 points, or an old curriculum Junior Secondary Certificate Grade 10 certificate with 20 points. The course offering mode, where necessary, will include a 6-month TVET bridging course, and progression to mainstream entry Level 1 or 2 TVET courses upon successful completion of the TVET bridging course.

The scholarship will cover registration and tuition fees, personal protective equipment and toolbox as required for the selected training, a monthly stipend to contribute to some of the living expenses.

Zambia Launches 100 MW Solar Energy Project

Zambia's President Hakainde Hichilema has inaugurated the country's largest grid-connected Chisamba solar power plant, built by Power China.

The 100 megawatt Chisamba project is expected to reduce Zambia's reliance on electricity imports from neighbours South Africa and Mozambique.

The new solar plant will supply power to the First Quantum Minerals copper mine, freeing up capacity for Zambian consumers that would have otherwise been used by the mine.

Zambia depends on hydropower for the bulk of its electricity generation needs, and low water levels because of a severe drought have forced state utility Zesco to ration electricity.

President Hichilema said at a launch event that the drought highlighted the need to urgently diversify the power mix. There are plans to add another 100 MW of capacity at the Chisamba site, although a timeframe for the expansion has not been laid out.

The 100 MW Chisamba solar PV project is the largest grid-connected solar development in Zambian history



CUTTING IMPORTS: State-owned power company Zesco has completed the 100 MW Chisamba solar farm in southern Zambia. **Photo: Zesco**

and has been developed by Kariba North Bank Extension Power Corporation (KNBEPC), a subsidiary of Zesco.

Stanbic Bank provided US\$70 million (about N\$1.26 billion) in financing for the project, while US\$30 million (N\$540 million) was funded through direct investment from KNBEPC and Zesco. The funding was also accomplished without sovereign guarantees, meaning the Zambian government did not have to provide

a backup promise to repay the loan.

Zesco highlighted that EPC contractor Power China demonstrated a welcome degree of goodwill in providing construction work before all loan agreements were finalised, which the company credited as "crucial to our success".

Countries across Africa have stepped into the clean energy sector in the last several years, embracing renewable sources including solar, thermal and hydropower.

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SADC Ministers Call for Accelerated Action to Meet 4 210 MW Regional Shortfall

Southern African Development Community (SADC) ministers responsible for energy and water have called for the expedited signing of the amended Protocol on Energy. Namibia, Mauritius, South Africa, and Zimbabwe are the members yet to sign and have been urged to complete internal consultations and sign the amendment by August 2025.

The SADC Energy and Water ministers held their joint meeting in Harare, Zimbabwe, from 30 June to 4 July 2025.

The ministers urged SADC Member States fast-track the implementation of their energy generation projects to meet growing demand and boost economic activities.

The region added 2 885 megawatts (MW) of new generation capacity during 2024-2025, raising the total to over 85 000 MW. However, a shortfall of 4 210 MW persists among nine interconnected mainland Member States, largely due to El Niño-induced droughts, aging

infrastructure, and limited transmission capacity. Encouragingly, projects scheduled for 2025-2027 are expected to deliver over 28 000 MW of additional capacity.

The ministers pledged support for transmission interconnectors, urging the countries involved in the Inga III Transmission Line Project to sign the Inter-Governmental MoU by August 2025, with the Southern African Power Pool (SAPP) and the Secretariat tasked to mobilise resources for priority projects.

Addressing the meeting, SADC Executive Secretary, Elias Magosi, outlined the region's challenges that continue to hinder progress in both the energy and water sectors.

He reported that eight Member States have already signed the amended Protocol on Energy, with the remaining states urged to accelerate ratification processes to ensure full regional alignment.

Mogotsi said the SADC Secretariat will work with SAPP and the World Bank to

roll out the Regional Energy Transmission, Trade, and Decarbonisation (RETRADE), expanding the regional electricity market.

The SADC Ministers called for broader ratification of the SADC Centre for Renewable Energy and Energy Efficiency (SACREEE) in order to fully operationalise the regional body.

They also encouraged exploration of an Energy Attribute Certificate system to support the Just Energy Transition (JET). Ministers endorsed the development of a regional JET Framework and called for the prioritisation of clean cooking initiatives, commending Tanzania for its national leadership in this area.

Additionally, the Ministers responsible for Energy and Water officiated the celebration of the 30th Anniversary of the SAPP. Established by the SADC Summit in 1995, SAPP is the oldest regional energy organisation within the SADC framework and remains one of the most successful power pools in Africa in terms of power trading volumes.



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2nd INSTALLMENT: Strategic partners in the Global African Hydrogen Summit (GAH2S) Strategic Conference seen during the launch of the 2025 edition in Windhoek.

All Set for Second Edition of Global African Hydrogen Summit

The Global African Hydrogen Summit 2025 (GAH2S) was officially launched on 23 June, setting the tone for discussion on accelerating the transition to a low-carbon economy that incorporates a mix of solutions and technologies, including green hydrogen as a cost-competitive, scalable and sustainable energy carrier.

Innovation across the hydrogen value chain, collaboration across governments, sectors and private enterprises, as well as commercial-scale infrastructure will be needed to secure widespread demand and to maximise localised and regional benefits created by a new global market.

However, there are several fundamental barriers to overcoming market creation challenges, especially for Africa's nascent sector, including: cost of capital, climate trade, policies, regulations, standards and certification, licence to operate, skills development, capacity building, technology transfer and a fragmented market to trade.

As the sequel edition of the highly anticipated GAH2S continues to navigate the transformative journey into the future of energy, the 2025 Strategic Conference will shape and frame the critical dialogue that will position Africa at the forefront of this global transformation.

The GAH2S 2025 Strategic Conference programme aims to deliver solutions to the myriad imperative challenges as well as laying out a strategic roadmap to the G20 and COP 30 thereafter.

At the time of the international launch of the Summit's Strategic Conference programme, Executive Committee member UNIDO's Director General Gerd Müller reflected that: "The vision you have outlined for Africa's green energy future is both inspiring and vital for the continent's sustainable development. Africa holds significant potential to lead in clean hydrogen production and green industrialisation. With its focus on advancing green hydrogen for industrial development across the continent, the 2025 Summit represents a critical milestone in this transformative journey."

Themed *Ambition in Action: Fuelling Africa's Green Industrialisation*, the Strategic Conference programme will present groundbreaking thought leadership and insights from the minds of heads of government, industry leaders, technology experts, and energy pioneers to advocate, showcase and communicate the case for hydrogen, its derivatives and renewable energies as an underpinning solution to both a

lower carbon energy system and the blueprint for a green industrial economy.

Hosting over 125 African and global expert speakers, including ministers from Algeria, Brazil, Jordan, Namibia and South Africa, the dynamic Strategic Conference programme will pull into focus eight key macros themes, platform 10 critical industry spotlights, showcase 5 country sessions and unveil young entrepreneur success stories.

The programme will once again conclude with over 10 funding declarations, deal announcements, project launches and partnership signings.

As the trailblazing one-of-its-kind platform, the GAH2S Strategic Conference programme is committed to accelerating the global energy transformation by championing African energy solutions.

James Mnyupe, head of the Namibia Green Hydrogen Programme (NGH2P), said last year's GAH2S attracted an impressive representation of stakeholders from across the continent and beyond, bringing together approximately 1,500 attendees, nearly 500 registered delegates, and over 20 Ministers and Deputy Ministers from across the world.

"I am informed that this year's edition is tracking similar, if not greater, momentum, with over 1,500 attendees and representation from close to 70 countries anticipated. These numbers are a testament to the growing interest in green hydrogen as both an energy carrier and an industrialisation enabler, and to Namibia's position as a key player in this space," said Mnyupe.

Namibia Investment Promotion and Development Board (NIPDB) Executive for Talent, Innovation and Productivity, Julia Muetudhana, said last year's summit generated direct economic activity worth US\$3.5 million for the country.

"Last year, we witnessed a turning point. The inaugural edition of GAH2S established Namibia not only as a global leader in green hydrogen but also as a credible platform for dialogue and investment in Africa's green industrial revolution," she said.

Muetudhana said Namibia is positioning itself as an export hub and manufacturing base for hydrogen-based products such as ammonia, fertilisers and synthetic fuels.

"Our position on inclusion is clear. Namibia's success must serve as a platform for broader African prosperity," Muetudhana said.

The 2025 summit will increase participation by small and medium enterprises, promote youth involvement and strengthen regional partnerships to support a just transition.

"We have taken deliberate steps to bring in more youth voices, more local SMEs, more academic and community stakeholders, and more continental partners. We are expanding the Innovation Zone, enhancing support for Namibian and African exhibitors, and strengthening regional cooperation platforms.

A just energy transition cannot be driven by a few — it must be co-created by many. The 2025 edition of the Global Africa Hydrogen Summit will be a pivotal moment — not only for Namibia, but for the continent. It will serve as a convergence point for investment, policy, technology, and leadership," said Muetudhana.



FLASHBACK: International delegates participating in the GAH2S 2024.

South Africa's First Molten Salt Solar Power Plant Goes Live

The Redstone Solar Thermal Power Plant in the Northern Cape is now officially connected to the national grid.

The South Africa Department of Energy (DOE) awarded the contract to develop the concentrated solar plant (CSP) project to the consortium of SolarReserve and ACWA Power, in January 2015. The contract was awarded under the Renewable Energy Independent Power Producer Procurement Program (REIPPPP) initiated by the DOE.

The 100 MW solar plant has the capacity to produce 480 GWh of clean energy annually, enough to power 200 000 homes and offset 440 000 tonnes of CO₂ each year. It has a lifespan of more than 30 years.

The molten salt solar thermal power plant has been described as a game-changer for clean energy in Sub-Saharan Africa. It is the first tower CSP project in Sub-Saharan Africa.

Located in Postmasburg, Northern Cape Province, it is one of the most massive renewable energy investment projects in the country and attained its first partial grid synchronisation in September 2024.

The CSP plant adopts advanced tower-based molten salt storage technology, with 41 260 heliostats installed on-site. The mirrors precisely reflect sunlight onto the 248-metre-high solar tower's heat receiver, heating the molten salt from around 290°C to ~565°C.

The heated molten salt is stored in specially designed tanks, allowing the unit to run at full capacity for up to 12 hours, ensuring continuous power generation overnight.

The project has generated over 600 jobs locally, with around 1 800 workers employed during the construction peak, contributing significantly to the local economy and social development.

Additionally, more than 400



FIRST OF ITS KIND: The Redstone molten salt solar thermal power plant is the first tower CSP project in Sub-Saharan Africa and has been described as a game-changer for clean energy on the continent.



local engineers and technicians have received training, enhancing the overall skill of the local workforce through knowledge and expertise sharing.

The CSP plant will significantly reduce reliance on traditional fossil fuels, making a vital contribution to the country's just energy transition.

It is located in close proximity to the 96MW Jasper and the 75MW Lesedi photovoltaic (PV) solar power projects developed by SolarReserve under the REIPPPP. The three projects together become the first combined CSP and PV solar park in the world, with a total generating capacity of 271MW.



Who:

- Installers
- Suppliers
- Consultants
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- Financiers
- Trainers
- Students

What:

- Solar PV
- Wind
- Biomass
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- Green Hydrogen



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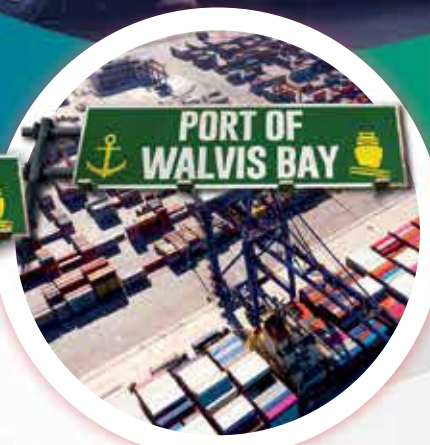
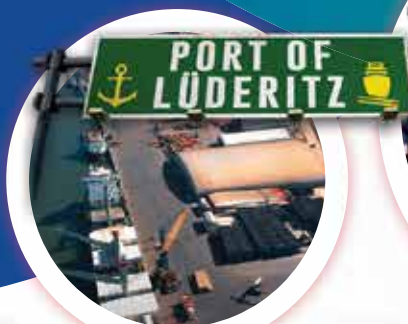
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