



# Hats



# Off

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Building Namibia's Future Issue

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## AIRPORT ROAD TO BE COMPLETED IN 2024

The construction of the new freeway between Windhoek and the Hosea Kutako International Airport is expected to be concluded in 2024.

This is according to Roads Authority chief executive officer Conrad Lutombi, who was speaking at the ground-breaking ceremony for the upgrading to dual carriageway standards of the road on Monday, 11 May 2022.

This is the third and last phase of the project, which is financed with approximately N\$1.035 billion.

The phase commences at the Dordabis interchange and continues towards the Hosea Kutako International Airport, covering a distance of 21.3 kilometres. According to Mr Lutombi about 270 jobs will be created for Namibians during the construction period of this phase. Works include the construction of the 21.3 kilometres of the dual-carriage freeway, three interchanges to be located at Dordabis, Sonnleiten and Hosea Kutako International Airport, and two river bridges and drainage structures.

Delivering his address, Mr John Mutorwa, minister of works and transport, said that the project is of great importance to the Namibian government, as it advances the objective of the country to become a logistics hub.

"Once complete, this dual carriageway will support the economy by allowing safe movement, and it will improve Namibia's investment environment, promote employment and provide a solid foundation for the socio-economic development of Namibia", said Mutorwa.

He further emphasised all the construction material will be purchased in Namibia for this phase; thus, the money will be left in Namibia.

According to Mr Mutorwa, this project will have ample opportunities for supplying and subcontracting specialised works for local small and medium enterprises as well as subcontractors.

Source: <https://neweralive.na/posts/airport-road-to-be-completed-in-2024>

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## LOW-COST HOUSES IN OTJIWARONGO 70% COMPLETE

The National Housing Enterprise (NHE) 's low-income housing project in Otjiwarongo which is envisioned for completion end of June 2022, is progressing as per the timelines and is well up to 70% completed.

More than 50% of the houses constructed under this project are geared to assisting the lower-income staff members from the Otjiwarongo Town Council. NHE chief executive officer, Gisbertus Mukulu recently paid a visit to the construction site.

The project is a collaboration between the Otjiwarongo Town Council and NHE and is built on 40 plots acquired from the Otjiwarongo Town Council in 2021.

"The houses constructed will use aluminium windows, a first for all NHE houses moving forward. This, together with face-brick accents, is in line with our new and improved facelift. NHE believes in giving back and has thus increased women's empowerment in all projects', Mukulu stated.

He further revealed that there are 16 women involved in the project currently in the fields of administration (2), building artisans (3), office administration (1) and 10 general workers.

The NHE management also held a consultative meeting with the Okahandja Town Council members to engage on the best possible ways to make housing a reality for its residents, on Monday, 11 April 2022.

Mukulu further stated that further visits to Outapi, Tsandi and Okahao Town Councils are in the pipeline as part of the NHE's strategic stakeholder engagement plan in line with the mandate to provide affordable and quality housing.

Source: <https://economist.com.na/69796/general-news/low-cost-houses-in-otjiwarongo-70-complete/>



## ZAMBIA AND NAMIBIA TO INK AGREEMENT ON CONSTRUCTION OF GAS AND OIL PIPELINE

Lusaka– Zambia and Namibia are expected to sign a memorandum of understanding for the construction of a gas and oil pipeline.

Zambia's minister of energy, Peter Kapala said the pipeline will be constructed from Windhoek to Lusaka, the Zambian capital.

The minister said the agreement will be signed in June 2022 and that the gas will be used for power generation while the oil pipeline will help reduce the cost of petroleum products in the southern African nation.

The project, he said, which was expected to take three to four years to complete, will have its main gas and oil power station in Lusaka.

The minister recently said that the government intends to embark on regional diplomatic engagements and diversified partnerships in the energy sector as part of efforts to tackle challenges in the energy and petrol sectors.

In April 2022, Zambia signed an agreement with Angola to have a stake in that country's Lobito Oil Refinery Project which will have a capacity of 200,000 barrels per day.

Source: <https://economist.com.na/70134/mining-energy/namibia-and-zambia-to-ink-agreement-on-construction-of-gas-and-oil-pipeline/>





# N\$10 BILLION NEEDED FOR LONG-TERM WATER PROJECTS

The government over the long-term needs an estimated N\$10.5 billion for both bulk and rural water projects. The water programme is aligned and aimed to contribute to attaining Vision 2030, Sustainable Development Goal (SDG) 6, Fifth National Development Plan (NDP 5) and the Harambee Prosperity Plan (HPP).

The SDG6 requires Namibia to ensure access to water and sanitation for all by 2030. The NDP5 and the HPP also identify the water sector as one of the focus areas under the economic progression pillar. One of the desired outcomes is that "By 2022, Namibia has a sustainable production and consumption of water resources, resulting in improved access to safe drinking water for human consumption, agriculture and for industrial use".

However, Mr Calle Schlettwein, minister of agriculture, water and land reform argued during the budget motivation that the allocated budget for this financial year will not be adequate to implement the envisaged programmes and projects. He is asking the National Assembly to approve a budget allocated to the water programme of the ministry with an amount of N\$687.4 million, which represents about 0.89% of the total appropriated expenditure.

He said the allocated budget needs to be supplemented with extra-budgetary resources. "We are, therefore, continuing to engage with our development partners and the Ministry of Finance on how best to achieve these objectives", he pointed out. Equally, Schlettwein said the impact of the Covid-19 pandemic and climate change and variability pose challenges to the implementation of this programme.

However, the sector has managed to record some progress with regards to access to water, especially to rural water communities who are usually hard-hit", the minister noted. He announced that the African Development Bank (AfDB)-funded Namibia Water Sector Support Programme (NWSSP) is geared to disburse over N\$300 million during 2022/23.

Further, more than N\$353 million over the Medium- Term Expenditure Framework (MTEF) will be availed to complement the government efforts in, amongst others, upgrading the Rundu and Oshakati water treatment plants, developing the Ohangwena II aquifer, and upgrading the water supply networks countrywide. Additionally, the ministry, through the technical committee of experts for the cabinet committee on water supply security, will continue with the implementation of measures aimed at addressing water supply security in the country.

This will be done by undertaking activities such as the upgrading of the Gammams direct potable reclamation works, a refurbishment of the Kuiseb collector and Kuiseb-Swakop pipeline, as well as the replacement of the Schwarzekuppe-Swakopmund and Omdel Wlotzkasbaken pipelines to improve water supply at the central coastal areas.

This is coupled with the upgrading and extension of the Oshakati water treatment plant and the Rundu purification plant to improve water supply in the central-northern areas and Kavango East. The other project is the construction of a new desalination plant, central-coastal area supply scenario (and/or the purchasing and refurbishment of the existing Orano plant) along the central-coastal area by means of envisaged private-public partnership principles.

Source:

<https://neweralive.na/posts/n10-billion-needed-for-long-term-water-projects>



# HYDROGEN, THE NEW ENERGY RUSH FOR AFRICA

Green hydrogen will be one of the largest economic opportunities over the next 30 years. Driven by international actions to combat climate change, it has the potential to revolutionise numerous value chains in the energy industry and across both the mobility and manufacturing sectors. With rapidly improving technology and decreasing costs for fuel cells, green hydrogen is becoming a more appealing fuel alternative in Africa.

At the core of green hydrogen production is the availability of renewable energy that is not being utilised for its prime role as an electricity supply. For Europe, the lack of spare renewable energy capacity will be a roadblock to the hydrogen economy and so the search is on for viable locations for production. Pilot projects have started in Chile and the Middle East, but the greatest opportunities lie in Africa with many European backed schemes at various stages in the planning process.

Backed by Africa's extensive renewable energy resources – the International Renewable Energy Agency estimates that renewable energy capacity in Africa could reach 310GW by 2030. The hope is that the development of green hydrogen projects will not only address continent-wide energy demand, increase energy security and contribute to domestic energy independence, but will provide an environmentally sustainable fuel alternative for years to come. The big question, however, is whether that hydrogen production will benefit the African energy transition or be shipped back to Europe.

## South Africa's hydrogen valley

In South Africa, the government is attempting to match the synergies between platinum mining, renewable energy, and hydrogen production to form a hydrogen hub.

Platinum is a key component in Polymer Electrolyte Membrane (PEM) electrolysis used to produce hydrogen at scale and in fuel cells themselves. The hydrogen valley will serve as an industrial cluster, bringing various hydrogen applications in the country together to form an integrated hydrogen ecosystem.

The initiative is part of the work being done to support the implementation of the National Hydrogen Society Roadmap, which was recently approved by the South African cabinet, as well as phase 3 of the south Africa's Economic Reconstruction and Recovery Plan.

South Africa's proposed hydrogen valley will start near Mokopane in Limpopo, where platinum group metals (PGMs) are mined, extending through the industrial and commercial corridor to Johannesburg and leading finally to Durban. The hydrogen valley will be used to establish, accelerate, and embed niche innovations through upscaling and replication. Hydrogen and fuel cell technologies offer an alternative source of clean electricity, while hydrogen allows for energy to be stored and delivered in usable form.

## Namibia to develop hydrogen hub

"The first phase, which is expected to enter production in 2026, will see the creation of 2 GW of renewable electricity generation capacity to produce green hydrogen for conversion into green ammonia, at an estimated capital cost of \$4.4 billion," Marco Raffinetti, Hyphen CEO, says.

Once fully developed, the project will provide a major boost to Namibia in terms of foreign direct investment and job creation. The \$9.4 billion investment amounts to the same order of magnitude as the country's current GDP and will see 15,000 direct jobs created during the four-year construction of both phases, with a further 3,000 jobs created permanently during the operational phase.

"This collective deep technical expertise across the entire green hydrogen value chain, combined with our financial strength and experience in developing, fundraising, and implementing infrastructure projects in Africa, will be crucial in successfully delivering a project of this magnitude and complexity."

Source: <https://economist.com/na/70048/special-focus/hydrogen-the-new-energy-rush-for-africa/>

# Hydrogen

## Contributions

Please send all contributions to:  
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## AFRICAN GOVERNMENTS MAINTAIN INFRASTRUCTURE SPENDING DESPITE COVID-19, RISING DEBT – DELOITTE

African governments maintained spending on infrastructure, despite Covid-19 and rising debt levels.

At the same time, West Africa has, for the first time since 2016, led the continent in both the number and value of Infrastructure projects.

These are some of the findings of the Deloitte 'African Construction Trends 2021 Outlook', that tracks infrastructure and capital projects (I&CP) activity across Africa.

The report analyses who owns, who funds and who builds infrastructure projects. This activity has included monitoring continental, regional and sectoral trends of I&CP projects of at least \$50-million in value that had broken ground but had not yet been commissioned by June 1, 2022.

The report covers 462 projects with a total project value of \$521-billion. The number of projects in 2021 increased by 20%, from 385 projects in 2020. The total value of projects under construction increased by 30.7%.

Deloitte highlights transport and energy and power projects as having consistently been key contributors to the sectoral mix of projects that are under way, with the real estate sector – most prominently commercial real estate – emerging as a critical sector in recent years.

"African government continue to play a critical role as owners of infrastructure projects and both public and private investors have managed to help increase spending even through the pandemic", says Deloitte Africa I&CP leader Alex Moir.

African governments own 73.8% of projects under review. African governments have also consistently been the top funders at 31.8%, with international development finance institutions (DFIs) and African DFIs as important financiers too.

The share of projects funded by China stood at 10.6% in 2021, the single largest by country or region. China remained the largest builder on the continent with 21.4%. In this edition, West Africa is, for the first time since 2016, leading by the number and value of projects, with 153 projects valued at \$172.8-billion.

Southern Africa recorded the second-largest project share by value at \$147.7-billion, followed by North Africa at \$132.2-billion.

East Africa's high growth and economic development saw the region lead in terms of the number of projects yearly over the three-year period from 2018.

In the Southern African region, in value terms, the real estate sector recorded a share of 52%. The high value of projects in the real estate sector was fuelled by investments in some mega-projects in Mozambique and South Africa. Energy and power accounted for 27.3% of the projects under way. Despite the transport sector having recorded the most projects, the sector came third in value terms, contributing 8.6% in Southern Africa.

The pandemic intensified the pressure to transform, testing capital injection resilience more than ever.

"While governments have big decisions to make about how they address mountainous deficits, how they build more sustainable economies, and the future of growth, interestingly, the majority of the projects in Southern Africa over the period were government-owned (75.5%), a sign that recovery and interface between companies and government were on the rise," Moir indicates.

Source: <https://www.engineeringnews.co.za/article/african-governments-maintain-infrastructure-spending-despite-covid-19-rising-debt-deloitte-2022-04-26>



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## CONSTRUCTION INDUSTRIES FEDERATION OF NAMIBIA'S TRAINING & DEVELOPMENT

The Construction Industries Federation of Namibia (CIF) offer various short-courses to its members and non-members in the construction sector.

The training programs provided are as follows:

- Scaffolding erectors
- Scaffolding inspectors
- Safety representative
- Working at heights

All training includes:

- Brötchen & coffee
- Lunch & refreshment
- Training materials
- Attendance certificate

For bookings or if you need any further information, then please contact:

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