

THE

NH3 CATALYST



MARYDALE

ENERFUSION PARK

NEWSLETTER

JULY 2026

COMPILED BY
SOLINZI POWER (PTY) LTD



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GREEN AMMONIA GLOBAL MARKET



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**Fuel Your Week with Cutting-
Edge Energy Updates**

Green Hydrogen and Ammonia GIS Data Mapped and owned by Solinzi Power

USA BACKS FIRST PRIVATE GREEN AMMONIA PROJECT



USTDA awards US\$5.7 million to support engineering studies for a US\$4.5 billion green ammonia project in Laayoune.

The US Trade and Development Agency (USTDA) has awarded a US\$5.7 million grant to international consortium ORNX to fund pre-FEED studies for a proposed US\$4.5 billion green ammonia project in Laayoune, Western Sahara.

The facility is expected to produce 560,000 tonnes of green ammonia annually using renewable hydrogen. This marks the first US government support for a private sector project in the disputed territory, which Morocco administers but the UN classifies as non-self-governing.

The ORNX consortium brings together US developer Ortus Climate Mitigation with Spain's Acciona and Germany's Nordex.

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Top News

World's Largest Green Ammonia Shipment Sails From China to South Korea

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Andhra Pradesh in \$1bn green hydrogen transmission project

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Halliburton and Kaishan to Cooperate in Green Ammonia Development

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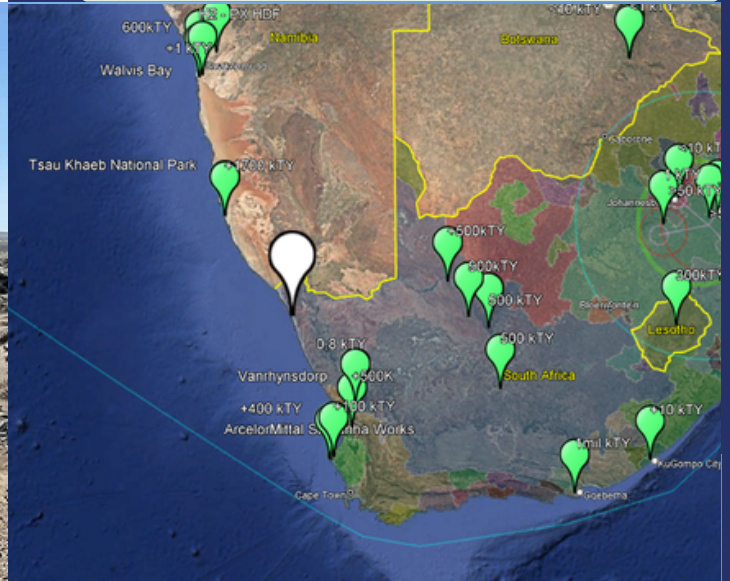


Fuel Your Week with Cutting-Edge Energy Updates

GREEN AMMONIA GLOBAL MARKET

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SASOL PIVOTS TO A BROADER NORTHERN CAPE GREEN HYDROGEN DEVELOPMENT MODEL



**AM Green looks to build 1
mtpa green ammonia plant at
Indian port | Hydrogen News**
[Read more...](#)

**Trinasolar's Modules Power
New South Wales' (Australia)
First Green Hydrogen &
Ammonia Facility.** [Read more...](#)

Sasol has completed a pre- feasibility study into the Boegoebaai green hydrogen/ammonia export opportunity.

Sasol has completed a pre-feasibility study confirming the strong technical and economic potential of its Boegoebaai green hydrogen/ammonia export opportunity.

However, the company is now pivoting from a single-project development model toward a broader, province-wide strategy focused on enabling a coordinated green hydrogen ecosystem across the Northern Cape.

This shift reflects the recognition that globally competitive green hydrogen production in the 2030s depends on the timely development of giga-scale renewable energy capacity in the 2020s. Sasol's role is evolving toward that of a catalyst and integrator, contributing technical expertise and market capabilities.

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**Brazil's Northeast Lands a
\$2.2bn German-Backed Green
Hydrogen Plant** [Read more...](#)

Catalyzing the Transition: Africa's Green Hydrogen Future



**GIS DATA
AVAILABLE**

LEGEND

 Hydrogen & Derivatives Projects

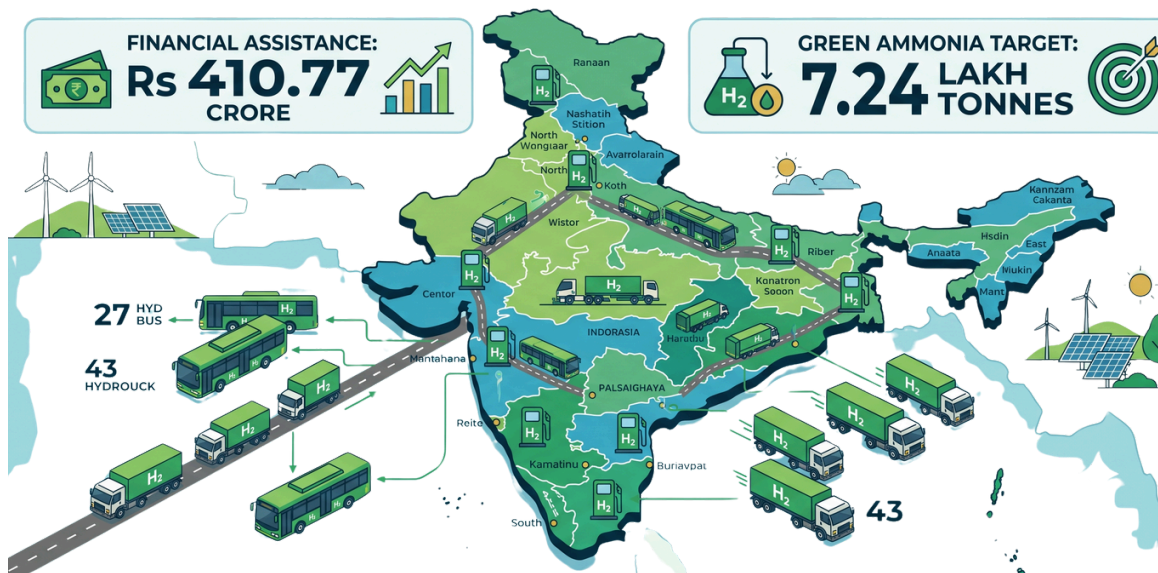
H2 - Derivatives Capacities

	Algeria ~100k TY (Dx)
	Angola +520k TY (Dx)
	Botswana ~10k TY (H2)
	Burkina Faso +100 TY (H2)
	Djibouti +2, 500k TY (Dx)
	DRC +1,000k TY (Dx)
	Egypt +4,650k TY (H2 - Dx)
	Ghana +1,500k TY (Dx)
	Guinea Bissau +1TY
	Kenya ~900k TY (Dx)
	Libya ~1,000k TY (H2)
	Mauritania ~34,000k TY (H2 - Dx)
	Mozambique +500k TY (Dx)
	Morocco +3,380k TY (Dx)
	Namibia ~3,301k TY (H2 - Dx)
	Nigeria +1,200k TY (Dx)
	Senegal ~600k TY (Dx)
	South Africa +5,400k TY (H2 - Dx)
	South Sudan ~140 TY (H2)
	Tunisia +2,600k TY (H2 - Dx)
	Uganda ~200k TY (H2)
	Western Sahara ~30,000k TY (H2 - Dx)
	Zambia ~400k TY (Dx)
	Zimbabwe ~100k TY (Dx)

Africa
United
Vision **2030**

0 500 1 000 km

NATIONAL GREEN HYDROGEN MISSION IN INDIA



INDIA AWARDS 12 HYDROGEN VEHICLE PILOT PROJECTS UNDER NATIONAL GREEN HYDROGEN MISSION

WRITTEN BY
BRIAN MAPHANGA
CHIEF OPERATING OFFICER & CO-FOUNDER

New Delhi, July 29 — The Indian government has awarded 12 pilot projects for the deployment of 70 hydrogen-powered vehicles under the National Green Hydrogen Mission (NGHM), with total financial assistance of Rs 410.77 crore, Parliament was informed on Wednesday.

The projects comprise 27 buses and 43 trucks, including both fuel cell electric vehicles (FCEVs) and hydrogen internal combustion engine (H₂-ICE) vehicles. **These will be supported by 16 hydrogen refuelling stations (HRS) spread across 21 routes in various states, according to Minister of State for New and Renewable Energy Shripad Yesso Naik in a written reply to the Lok Sabha.** Of the total financial assistance of approximately Rs 410.77 crore, Rs 41.582 crore has already been released, the minister confirmed.

Public and Private Sector Collaboration

The pilot projects are being undertaken by a mix of public and private sector entities, reflecting the government's strategy to leverage diverse capabilities in advancing hydrogen mobility. Key participants include state-owned power producers NHPC and NTPC, oil majors such as Indian Oil Corporation Limited (IOCL) and Hindustan Petroleum Corporation Limited (HPCL), and private conglomerates including Tata Motors, Reliance Industries (RIL), and Volvo, among others.

This collaborative approach brings together expertise across the hydrogen value chain — from production and refuelling infrastructure to vehicle manufacturing and fleet operations.

GEZAKER



To accelerate production, the government has issued scheme guidelines for incentives towards green ammonia production. **The incentive structure is tiered: Rs 8.82 per kilogram for green ammonia in the first year of production and supply, Rs 7.06 per kilogram in the second year, and Rs 5.30 per kilogram in the third year.**

Strategic Significance

The simultaneous push on green ammonia production addresses the dual challenge of decarbonising both the fertiliser sector – a major consumer of fossil-fuel-based ammonia – and the transport sector, creating a unified policy framework that supports India's broader climate commitments.

This article is based on information provided in a written reply by Minister of State for New and Renewable Energy Shripad Yesso Naik to the Lok Sabha on July 29, 2026.

DxNH₃

GREEN AMMONIA MARKET REFLECTS REMARKABLE GROWTH AT 95.6%

In 2025, the Global Green Ammonia Market was valued at USD 1.4 billion. During the forecast period from 2026 to 2035, the market is projected to expand at a CAGR of 95.6%, reaching approximately USD 1,178.5 billion by 2035. Asia Pacific emerged as the leading regional market, accounting for more than a 42.3% share and generating USD 0.60 billion in revenue in 2025.

According to the International Energy Agency (IEA), green ammonia is still in the early phase of commercialization. In 2025, announced low-emissions ammonia projects for fertilizer applications reached approximately 19 Mt, representing less than 10% of global ammonia production.

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ACWA granted
exclusive right to
export green hydrogen
and derivatives from
Saudi Arabia

[Read more...](#)



Hydrogen
Derivatives Market
Size, Share| Growth
Report [2034]

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Fertilizer... without Haber Bosch: Can AI-optimized plasma make green ammonia cost-competitive?

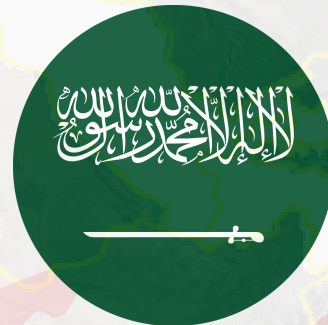
Faraday Earth, a startup using non-thermal plasma to make green ammonia claims its system could reach a levelized cost of around \$500 per ton, putting it within striking distance of fossil fuel-derived gray ammonia, the backbone of most nitrogen-based fertilizers.

Couple this with decentralized, container-sized modular systems that cut out transportation costs associated with conventional ammonia supply chains, and the economics suddenly become more compelling, cofounder Debayan Saha tells AgFunderNews.

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Clean Energy IN AFRICA

[Ethiopia: Sustainable Energy. Fund for Africa to extend \\$2 million for pioneering energy-agriculture mini-grid project](#)

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[New insurance solution targets renewable energy infrastructure risks in South Africa](#)

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[Africa has to fire up its energy transition](#)

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[Africa's largest hybrid renewable energy project goes live in Northern Cape](#)

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[Eskom hands over renewable energy microgrid solution at Mafikeng Provincial Hospital](#)

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[Can Renewables Industrialize Africa?](#)

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[Major solar and battery project set to power South African businesses from 2029](#)

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[Malawi commissions first utility-scale battery storage system to strengthen grid and accelerate renewable energy integration](#)

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GREEN AMMONIA TECHNOLOGIES UPDATES



SOLAR POWER

Creating sunlight on demand is indeed the claim of US startup Reflect Orbital, who propose to use mirrors in orbit to reflect extra sunlight down to Earth.

The idea isn't to make the whole planet sunnier; only to increase the amount of time solar power farms can generate electricity each day.

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BATTERY STORAGE

In April 2024, CATL launched the first Tener energy storage system. This first iteration was a lithium-ion-based BESS that was stated by CATL to be the 'world's first mass-producible energy storage system with zero degradation in the first five years of use'. This first Tener BESS came with a 6.25MWh capacity.

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WIND POWER

Researchers at the University of Rhode Island (URI) are studying whether offshore wind turbines are changing the movement and feeding behavior of Jonah crabs, work they say could have implications for fisheries management and future offshore wind development.

[Read more...](#)



ELECTROLYSERS

India's Ministry of New and Renewable Energy has published a Model Service Agreement for the Electrolyser-as-a-Service business model.

The agreement provides a standard contractual structure that can be used by electrolyser providers and industrial hydrogen consumers.

Under this model, a service provider can design, finance, install, own and operate an electrolytic hydrogen plant at or near a customer's facility.

[Read more...](#)



Marydale Enerfusion Project Updates

Project Update: Registered under SIP20E

- Business case and market access established
- Engagement / negotiations with project technology suppliers is ongoing
- Engagements with project stakeholders, SMMEs ongoing
- Preliminary Financial Modeling Completed
- Permitting and Approvals process ongoing

Visit www.solinzipower.com to learn more about the Project

A QUOTE & WHY IT STICKS

Hosted by: [Name here]

"GREAT WORKS ARE PERFORMED NOT BY STRENGTH, BUT BY PERSEVERANCE."

— SAMUEL JOHNSON

MINDSET: I NEVER LOSE. I EITHER WIN OR LEARN

By Brian Maphanga

In the workplace, raw talent or intelligence ("strength") might get you noticed or hired, but it will never carry you through the long haul. The actual differentiator between those who stall out and those who build lasting careers is the grit to keep going when no one is clapping.

The sobering reality:

Your "strength"—whether it is technical skills, an elite degree, or natural charisma—has a ceiling. It degrades, gets outdated, or is easily matched by younger, hungrier peers. Perseverance, however, is what turns a failed pitch into a valuable lesson, a rejected promotion into a strategic pivot, and a mundane Tuesday into the 10,000th hour of mastery. It is what gets you to respond to that difficult email, refine that report for the fifth time, and network even when you feel drained.

Let's be honest—showing up day after day is exhausting. You face imposter syndrome, office politics, burnout, and the quiet fear that you are not progressing fast enough. Perseverance, in this context, is not heroic; it is deeply human. It is forgiving yourself for a bad quarter, taking a mental health break, and still logging in on Monday with renewed intent. It is about sustainable consistency, not sprinting until you collapse.

The bottom line:

Your resume showcases your strength (your skills and wins), but your reputation is built on your perseverance (your reliability and resilience). **In a world that celebrates overnight success, Johnson reminds us that the career you actually want is built in the quiet, unglamorous**

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