AgroSpectrum ASIA
Envisaging Future | Updating Present

H2 Global Energy Consortium prepares to establish 1M metric ton green ammonia production plant in Aqaba, Jordan

13 January 2025 | News

With global demand surging for sustainable energy alternatives as a clean fuel for various applications, including agriculture and shipping, MENA region emerging as a potential hub

With global demand surging for sustainable energy alternatives as a clean fuel for various applications, including agriculture and shipping, MENA region emerging as a potential hub

H2 Global Energy, in partnership with a consortium of industry leaders, is gearing up to establish a one-million metric ton green ammonia production plant in Aqaba, Jordan. A technical report for the pioneering Green Ammonia Production Facility has been submitted by the partnership, marking a significant step towards the advancement of the green hydrogen and green ammonia sectors, taking advantage of Jordan's strategic location and potential to produce renewable energy.

The push towards green hydrogen and green ammonia has gained momentum worldwide, as these technologies are critical to achieving decarbonization goals and addressing the climate crisis. Green ammonia, produced using green hydrogen generated from renewable energy sources, serves as a clean fuel for various applications, including agriculture, shipping, and power generation. With global demand for sustainable energy alternatives on the rise, this facility will position Jordan as a key player in the renewable energy industry and a hub for green fuel production in the MENA region.

In Jordan, green hydrogen and green ammonia are especially impactful, aligning with national goals to reduce greenhouse gas emissions and lessen reliance on fossil fuel imports. This project represents a unique opportunity for Jordan to enhance its energy security, stimulate economic growth, and establish itself as a leader in the green economy.

Waleed AlHallaj, Chief Commercial Officer of H2 Global Energy, commented on the significance of this project: â??The Aqaba green ammonia facility is not only a testament to Jordan's commitment to sustainability but also a landmark development in the global green energy landscape. By capitalizing on Jordanâ??s renewable resources, we are creating a scalable, green energy solution that will drive long-term environmental and economic benefits. This project demonstrates our dedication to spearheading impactful, sustainable energy projects that serve both regional and global needs.â?

The technical report outlines the detailed framework for the development, construction, and operation of the facility, with a clear focus on sustainability and innovation. Once operational, the plant will significantly contribute to reducing carbon emissions across various industries while supporting Jordanâ??s renewable energy objectives. The project is anticipated to attract foreign investment, create jobs, and strengthen Jordanâ??s role in the global green hydrogen economy.

H2 Global Energy and its consortium partners are committed to accelerating the transition towards a low-carbon economy, with this project in Amman as a key driver. With ongoing support from the government of Jordan and collaboration with international stakeholders, the consortium aims to make the Amman facility a flagship model for green ammonia production worldwide.