



thyssenkrupp Uhde selected for major Clean Ammonia plant project in the USA

- **CO₂ abatement (carbon capture & storage) minimizes emissions**
- **uhde® ammonia technology enables world-leading single-train capacity of 3,500 t/day**

thyssenkrupp Uhde has been selected as technology provider and partner for a new “Clean Ammonia” plant planned by Nutrien, the world's largest provider of crop inputs and services. Subject to Nutrien’s final investment decision, anticipated in 2023, the plant will have a capacity of 3,500 metric tons/day and be built at Nutrien’s Geismar, Louisiana, USA facility. More than 90% of the CO₂ emissions will be captured and stored (Carbon Capture and Storage).

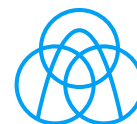
“This partnership marks another important milestone in our commitment to provide solutions to help meet the world’s decarbonization goals through leadership in clean ammonia production,” said Trevor Williams, Interim President, Nitrogen and Phosphate at Nutrien. “We are glad to have an experienced partner with both the technology and proven execution competence to join us on this journey as we strive to sustainably feed and fuel the future.”

Dr. Cord Landsmann, CEO thyssenkrupp Uhde: “We are excited to be the chosen technology partner for this project and support the execution as well. This is another proof point that the market shifts towards sustainable, clean and green ammonia. And we can deliver easy to install solutions at the necessary scale.”

Climate protection made simple: emission reduction at large scale

The planned clean ammonia plant will be based on autothermal reforming technology (ATR) which allows for a nearly CO₂-free syngas production from natural gas with the help of pure oxygen. Ammonia is produced in a second step, and the CO₂ from this combined reforming is captured and stored. This reduces emissions to a minimum. thyssenkrupp Uhde has over 100 years of experience in engineering and building of chemical plants, more than 2,500 in total. As a global technology plus EPC provider, integrating various technologies and building complete chemical complexes is part of their track record.

Of the 130 ammonia plants worldwide, thyssenkrupp has built some of the largest plants, frequently setting new industry standards such as the uhde® dual pressure technology. Besides the fertilizer industry, thyssenkrupp Uhde is also targeting the clean energy market with its clean ammonia technologies and is also completing the value chain by offering ammonia storage and ammonia cracking solutions being relevant for the transition towards clean energy.



About thyssenkrupp Uhde:

thyssenkrupp Uhde combines unique technological expertise and decades of global experience in the engineering, procurement, construction and service of chemical plants. We develop innovative processes and products for a more sustainable future and thus contribute to the long-term success of our customers in almost all areas of the chemical industry. Our portfolio includes leading technologies for the production of basic chemicals, fertilizers and polymers as well as complete value-chains for green hydrogen and sustainable chemicals.

www.thyssenkrupp-uhde.com

About Nutrien:

Nutrien is the world's largest provider of crop inputs and services, playing a critical role in helping growers increase food production in a sustainable manner. We produce and distribute approximately 27 million tonnes of potash, nitrogen and phosphate products worldwide. With this capability and our leading agriculture retail network, we are well positioned to supply the needs of our customers. We operate with a long-term view and are committed to working with our stakeholders as we address our economic, environmental and social priorities. The scale and diversity of our integrated portfolio provides a stable earnings base, multiple avenues for growth and the opportunity to return capital to shareholders.

www.nutrien.com

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