

thyssenkrupp Uhde to build world-scale Blue Ammonia plant in Qatar

- **uhde® ammonia technology enables world's largest single-train capacity of 3,500 t/day**
- **CO₂ abatement in the process (carbon capture & storage) enhances sustainability**

thyssenkrupp Uhde has won a new contract from its long-standing customer and QatarEnergy's affiliate, Qatar Fertiliser Company (QAFCO), for the engineering, procurement, construction and commissioning of a world-scale ammonia plant, capable of producing its full output as Blue Ammonia. The contract was signed on August 31, 2022, and the plant is planned to be completed by the first quarter of 2026. The project is realized in a consortium with Consolidated Contractors Company (CCC), a leading construction company in the Middle East. Thanks to the uhde® ammonia technology, the single-train plant will have a record capacity of 3,500 metric tons/day. This further enhances thyssenkrupp Uhde's strong position in the mega-scale market.

Martina Merz, CEO thyssenkrupp AG: "thyssenkrupp has a long-standing business relationship with Qatar, and we are delighted to sign this contract today. With our proven technology and innovation expertise we are laying the foundation towards sustainable solutions jointly with our customers."

Dr. Cord Landsmann, CEO thyssenkrupp Uhde: "The ongoing trust of our esteemed customer clearly shows that we can deliver solutions for the rising demand in clean ammonia, be it blue or green, be it as fertilizer or as transport medium for hydrogen. With our well-proven uhde® dual pressure technology, clean ammonia can be produced in large quantities and we are very proud to be QatarEnergy's and QAFCO's partner in this lighthouse project. We are ready for the green transformation."

Leading technologies for emission reduction all along the value chain

thyssenkrupp Uhde has over 100 years of experience in engineering and building of chemical plants, more than 2,500 in total. Among the 130 ammonia plants built are some of the largest plants worldwide, 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.

In the fertilizer industry, thyssenkrupp Uhde is a full solutions provider with highest standards and leading technologies supporting the move towards more sustainability. Slow-release technologies such as urease inhibitors or environmental-friendly PLA-coating help to meet highest emission standards. Scrubbing units or ACT (ammonia convert technology) in UFT® Fluid Bed Urea Granulation minimize dust and ammonia emissions, and EnviNOx® reactors in nitric acid plants enable a nearly complete removal of NO_x and N₂O emissions. All these technologies are tailor-made to customer's requirements and are offered in fully flexible execution types covering scopes from pure licensing to full EPC.

About Qatar Fertiliser Company (QAFCO):

Founded in 1969, QAFCO has evolved steadily over the past five decades as a world-class fertilizer producer. The country's first large-scale venture in the petrochemical sector, QAFCO was established to diversify the economy and utilize the nation's enormous gas reserve. Today, QAFCO is owned 100% by QatarEnergy's downstream investment arm, Industries Qatar (IQ).

About Consolidated Contractors Company (CCC):

Founded in 1952, Consolidated Contractors Company is a globally diversified company specializing in Engineering and Construction. CCC has become one of the leading international contractors with a worldwide turnover of over US\$ 4 Billion. CCC employs over 30,000 personnel composed of more than 60 nationalities and owns over 7,400 pieces of



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plant & equipment. The company have been operating in Qatar since 1989 and through persistence, professionalism and above all commitment to Qatar Development Vision, managed to break major construction records and participate in iconic mega projects such as Qatargas LNG trains, Pearl GTL, Ras Laffan Port, Khalifa Sports Hall, Mega Water Reservoirs and most recently North Field East Onshore Project. www.ccc.net

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

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