

thyssenkrupp Uhde selected by Dangote Fertiliser Limited to license four urea granulation units in Nigeria, Africa

- **Efficient, low-emission production using thyssenkrupp Uhde Fertilizer Technology's UFT® Fluid Bed Granulation Technology**
- **Four urea granulation units with production capacity of 4,235 metric tons per day each**

thyssenkrupp Uhde Fertilizer Technology (UFT), licensing company of thyssenkrupp Uhde, has signed contracts with the Nigerian Company Dangote Fertiliser Limited (DFL) to provide its UFT® Fluid Bed Granulation Technology for four new urea granulation trains as part of four new fertilizer complexes. The scope of supply includes the license, process design package (PDP) and the supply of the UFT's proprietary equipment including granulators and scrubbers.

The four new trains with a name plate capacity of 4,235 metric tons per day (mtpd) each will increase the total annual urea granules production capacity of DFL from currently approx. 2,65 million to more than eight million tons. The new trains will be located in Lekki Nigeria, next to the two existing fertilizer complexes using the UFT® Fluid Bed Granulation Technology with a name plate capacity of 3,850 mtpd each, in operation since 2021.

The new granulation plants will be equipped with UFT®'s low pressure drop and thereby energy efficient scrubbing system comprising dust and ammonia scrubbing stages to meet the required stringent emission limits. Additionally, the licensed Ammonia Convert Technology (ACT) will be an integrated part of the plant concept. Ammonia Convert Technology (ACT) eliminates the undesired side-stream from the ammonia scrubbing stage by integrating the ammonium sulphate bleed into the urea granules. This proven technology provides commercial and logistic benefits for DFL.

Nadja Håkansson, CEO thyssenkrupp Uhde and Member of the Executive Board / COO of thyssenkrupp Decarbon Technologies: "This collaboration with Dangote Fertiliser Limited reflects our shared commitment to advancing sustainable industrial growth and strengthening global food security. With thyssenkrupp Uhde Fertilizer Technology's proven UFT® Fluid Bed Granulation Technology we are setting new benchmarks for efficiency and environmental performance in fertilizer production. This collaboration underlines our role as a trusted partner and technology provider in delivering innovative technologies that drive the transformation toward more resilient and sustainable value chains in Africa and worldwide."

Aliko Dangote, President Dangote Group: "We are delighted to extend our successful partnership with thyssenkrupp Uhde Fertilizer Technology for the development of our new fertilizer complexes in Lekki. This project reinforces our commitment to driving agriculture self-sufficiency and industrial growth across Africa. With the UFT® Fluid Bed Granulation Technology, we are ensuring the production of premium urea fertilizer that meets international standards while minimizing environmental impact. This investment will further strengthen Nigeria's position as a key fertilizer producer."

With its UFT® Fluid Bed Granulation Technology, thyssenkrupp Uhde Fertilizer Technology delivers one of the world's most advanced solutions for producing urea granules through the fluidized-bed method. Over 70% of global urea granule output is achieved using the UFT® Fluid Bed Granulation Technology, making a significant contribution to ensuring the world's food supply. Emissions remain well below the legally mandated limits for urea dust and ammonia.

The proven and licensed UFT® Fluid Bed Granulation Technology is successfully used in more than 70 plants, including over 20 plants with a production capacity of more than 3.000 mtpd of urea in the fertilizer industry worldwide. This technology marks one of the pillars of thyssenkrupp Uhde's successful fertilizer portfolio.

About Dangote Fertiliser Limited

Dangote Fertiliser Limited (DFL) offers several extension services aimed at enhancing productivity in agriculture. These services will help farmers get new and better information that will improve their farm yield and earn higher farm income and provide distinctive, high quality fertilizer products and services with sustained commitment to customer satisfaction whilst delivering superior returns to stakeholders. Dangote Fertiliser Limited (DFL) believe the future growth of African economies will be built on the ability of the continent to harness the value of its resources internally and to supply our vast and fast growing consumer population with the goods and services they rely on. <https://www.dangote.com/>

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 base chemicals, fertilizers and polymers as well as complete value-chains for green hydrogen and sustainable chemicals. www.thyssenkrupp-uhde.com

About thyssenkrupp Uhde Fertilizer Technology

thyssenkrupp Uhde Fertilizer Technology is part of the thyssenkrupp Uhde group of companies and an independent licensor in the field of urea granulation. As such, its portfolio includes the granting of licenses for the use of the UFT® Fluid Bed Granulation Technology, the preparation and creation of process design packages, the supply of proprietary equipment (granulators and exhaust air scrubbers), spare parts, and studies of all kinds. Having already gained 47 years' experience since realizing the first industrial-scale plant, thyssenkrupp Uhde Fertilizer Technology focuses purely on granulation of urea-based fertilizers and the continuous optimization and refinement of the process. <https://www.thyssenkrupp-uhde.com/thyssenkrupp-fertilizer-technology/en/home/>

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