

## Press Release

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### **Stamicarbon (NEXTCHEM) Awarded Licensing, Process Design Package and Proprietary Equipment Supply Based On its NX STAMI Urea™ Technology for Lianmeng Fertilizer Complex in China**

**Sittard, The Netherlands** — Stamicarbon, the nitrogen technology licensor of NEXTCHEM (MAIRE Group), has been awarded licensing, process design package (PDP), and proprietary equipment supply based on its proprietary NX STAMI Urea™ technology, for a new urea plant in China by Shandong Lianmeng Chemical Company.

The plant will adopt Stamicarbon's Ultra-Low Energy design. This solution, part of the proprietary NX STAMI Urea™ series, enables a 35% reduction in steam consumption and a 16% decrease in cooling water usage compared to conventional methods, thanks to innovative high-pressure steam utilization and advanced pool reactor design. The process also ensures very low biuret content in the final product and high-quality prills, thanks to Stamicarbon's prilling tower design.

Key equipment, including the pool reactor and stripper, will feature E-type super duplex stainless steel, leveraging Stamicarbon's expertise in material science and industrial applications.

"The progress of our [first Ultra-Low Energy urea plant](#) currently under construction, together with our successful collaboration with Stamicarbon, has been very positive," a representative of Shandong Lianmeng Group commented. "Based on this experience, we are confident in investing in a second plant using the same technology."

"This contract further strengthens our long-standing presence in China and the partnership with Shandong Lianmeng Group. This award demonstrates the trust of our clients in our Ultra-Low Energy urea technology which sets a benchmark for energy efficiency and reliable large-scale urea production," said Pejman Djavdan, Managing Director of Stamicarbon.

This project marks the tenth global application of Ultra-Low Energy technology and the eighth in China, with seven plants already in operation.

## **Stamicarbon B.V.**

Stamicarbon, the nitrogen technology licensor of NEXTCHEM (MAIRE Group), designs and licenses fertilizer plant technologies, specializing in urea, green ammonia, and nitric acid. As part of NEXTCHEM, Stamicarbon leverages the capabilities and expertise of a world-leading engineering group. In total, Stamicarbon has licensed more than 260 urea plants and realized more than 100 revamping and optimization projects. Applying 75 years of knowledge and experience, Stamicarbon offers customers tailored solutions and services to maintain, improve and optimize plants in every stage of their life cycle, with a focus on sustainable fertilizer production. As pioneers with a higher purpose, Stamicarbon has a vision to help enable the world to feed itself and improve the quality of life. Stamicarbon is headquartered in Sittard, The Netherlands, and operates worldwide. For more information: [www.stamicarbon.com](http://www.stamicarbon.com).

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## **MAIRE S.p.A.**

MAIRE S.p.A. is a leading technology and engineering group focused on advancing the Energy Transition. We provide Integrated E&C Solutions for the downstream market and Sustainable Technology Solutions through three business lines: Sustainable Fertilizers, Low-Carbon Energy Vectors, and Circular Solutions. With operations across 50 countries, MAIRE employs approximately 10,500 people, supported by around 50,000 professionals involved in its projects worldwide. MAIRE is listed on the Milan Stock Exchange (ticker "MAIRE"). For further information: [www.groupmaire.com](http://www.groupmaire.com).

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