

Press Release

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Stamicarbon (MAIRE Group) awarded a Process Design Package to reduce energy consumption of a dual-line urea plant in China

Sittard, The Netherlands — Stamicarbon, the nitrogen technology licensor of the MAIRE engineering group, will deliver a Process Design Package for Qinghai Yuntianhua International Fertilizer Co., Ltd. to revamp its dual-line urea plant in Qinghai Province, China. The urea plant is comprised of two identical lines, each with a capacity of 1212 MTPD, utilizing prilling as finishing technology. The proposed revamp design will be implemented in both lines simultaneously.

The revamp will enable the customer to significantly lower steam utilization and achieve optimal use of feedstock, reducing their current energy consumption by over 25%. The energy saving will be realized by applying Stamicarbon's MP Flash Design, part of the [EVOLVE Energy™](#) series, which utilizes an additional medium-pressure recirculation section, allowing the plant to maximize its energy savings without modifications to existing high-pressure equipment.

"Optimizing the energy consumption of a urea plant is not just about enhancing operational efficiency; it is crucial to meet the local fertilizer demand but to do so responsibly, with reduced environmental impact. This award in a very competitive market proves the value of solutions offered by Stamicarbon in sustainable fertilizer technologies," says Pejman Djavdan, Stamicarbon CEO.

Stamicarbon B.V.

Stamicarbon, the nitrogen technology licensor of MAIRE S.p.A., designs and licenses fertilizer plant technologies, specializing in urea, green ammonia, and nitric acid. As part of NEXTCHEM, MAIRE's Sustainable Technology Solutions business unit, 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.

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MAIRE S.p.A.

MAIRE S.p.A. leads a technology and engineering group that develops and implements innovative solutions to enable the Energy Transition. We offer Sustainable Technology Solutions and Integrated E&C Solutions in nitrogen fertilizers, hydrogen, circular carbon, fuels, chemicals, and polymers. MAIRE creates value in 45 countries and relies on over 8,300 employees, supported by over 20,000 people engaged in its projects worldwide. MAIRE is listed on the Milan Stock Exchange (ticker “MAIRE”). For further information: <https://www.groupmaire.com/en/>.

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