



Press release

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Stamicarbon (MAIRE Group) signed to license its largest Ultra-Low Energy urea plant

Sittard, The Netherlands, Stamicarbon, the innovation and license company of MAIRE Group, has signed a contract covering PDP, licensing and equipment supply for an Ultra-Low Energy grassroots urea plant in Jiangxi province, China. This will be the largest Stamicarbon Ultra-Low Energy plant with a design capacity of 3850 MTPD and already the seventh plant based on this innovative design.

Stamicarbon will deliver the Process Design Package and the proprietary Safurex[®] high-pressure equipment and associated services for the urea melt and prilling plant. Unlike the previous Ultra-Low Energy plants, which featured Pool Reactor technology, this design will apply the Ultra-Low Energy principle to the Pool Condenser.

The Ultra-Low Energy Design allows heat supplied as high-pressure steam to be used three times instead of two, reducing steam consumption by about 35% and cooling water consumption by about 16% compared to traditional CO₂ stripping processes, as demonstrated in two plants currently in operation. This technology brings energy savings unrivaled by any competitor.

“This award is significant, being Stamicarbon’s largest Ultra-Low Energy urea plant to date and the first plant where this breakthrough technology is applied to a pool condenser. It shows Stamicarbon’s commitment to innovation and technology development to improve the sustainability of the fertilizer industry,” said Pejman Djavdan, Stamicarbon CEO.

Stamicarbon BV

Stamicarbon, the innovation and license company of MAIRE Group, designs and licenses fertilizer plant technologies, with urea, green ammonia, and nitric acid being the core businesses. As pioneers with a higher purpose, they have a vision to help enable the world to feed itself and improve the quality of life. As a global leader in fertilizer technologies, they have licensed more than 260 urea plants and realized more than 100 revamping and optimization projects. With 75 years of knowledge and experience, they offer clients customized solutions and services to maintain, improve and optimize plants in every stage

Stamicarbon B.V.

Registered Office

Mercator 3, 6135 KW Sittard, The Netherlands
P.O. Box 53 - 6160 AB Geleen
The Netherlands
P +31 46 4237000
F +31 46 4237001

info@stamicarbon.com
stamicarbon.com



of their life cycle, to focus on sustainable fertilizer production. Stamicarbon's headquarters is in Sittard, The Netherlands, with a sales office in the USA and representative offices in Russia and China. For more information: www.stamicarbon.com.

Stamicarbon BV

Mark Sleijser

Head of Marketing

M +31 6 5356 74 03

E mark.sleijser@stamicarbon.com

Maire Tecnimont S.p.A. (MAIRE)

Maire Tecnimont S.p.A (MAIRE), a company listed on the Milan Stock Exchange, leads an engineering group that develops and implements innovative technologies in nitrogen, hydrogen and circular carbon, fuels and chemicals, and polymers sectors. It operates globally with its Sustainable Technology Solutions and Integrated E&C Solutions units to drive the evolution of the industry towards decarbonization. MAIRE creates value in about 45 countries and relies on approximately 6,500 employees, supported by over 20,000 people engaged in its projects worldwide. For further information: www.mairetecnimont.com.

Group Media Relations

Carlo Nicolais, Tommaso Verani,

Tel +39 02 6313-7603

mediarelations@mairetecnimont.it