

Press Release

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Stamicarbon (MAIRE Group) awarded licensing and equipment supply contracts by Jiangsu Huachang Chemical Company for an Ultra-Low Energy urea melt plant in China

Sittard, The Netherlands — Jiangsu Huachang Chemical Company awards to Stamicarbon, the nitrogen technology licensor of the MAIRE engineering group, licensing and equipment supply contracts for a urea melt plant in China. The plant located in Zhangjiagang City of Jiangsu province in China will have a capacity of 1860 MTPD and use Stamicarbon's Ultra-Low Energy design with a highly efficient pool reactor concept.

This urea melt plant will serve as a replacement for an outdated facility of similar capacity and will utilize the existing prilling unit. Stamicarbon will provide the license, proprietary equipment, including high-pressure equipment made of super duplex stainless steel, and associated professional services.

The main advantage of Stamicarbon's Ultra-Low Energy Design, which will be utilized in this plant, is that the high-pressure steam is being used three times instead of two, making the process more energy-efficient than the conventional CO₂ stripping. This heat recovery scheme results in a 35% reduction in steam consumption and a 16% decrease in cooling water use. With two plants currently in operation, the Ultra-Low Energy design is demonstrating unparalleled energy savings in the market.

"Sustainability is at the core of our company, and when looking to replace our outdated urea plant, we were specifically seeking the most energy-efficient solution to help us reduce emissions and energy consumption. With Ultra-Low Energy technology, we expect to achieve a substantial reduction in steam and water consumption, contributing significantly to our sustainability goals. We look forward to a successful and mutually beneficial partnership with Stamicarbon as we work together on this project," said Mr. Hu Bo, the Chairman of Jiangsu Huachang Chemical Company.

"At Stamicarbon, we are committed to pioneering sustainable solutions, and Ultra-Low Energy design stands out as a testament to our dedication. We believe that this project marks a significant milestone in Jiangsu Huachang's journey towards a more sustainable and efficient future. This project marks the ninth worldwide implementation of our groundbreaking technology, a testament to its global recognition as the industry's benchmark for energy consumption and efficiency," said Pejman Djavdan, Stamicarbon CEO.



Jiangsu Huachang Chemical Co., Ltd

Jiangsu Huachang Chemical Co., Ltd. is located in Zhangjiagang City, Jiangsu Province, in the Yangtze River Delta. It is located at the intersection of the coastal and Yangtze River economic development zones. It borders the Yangtze River in the north, the Taihu Lake Lake in the south, Shanghai in the east, Nanjing in the west, and Zhangjiagang Free Trade Zone and Port au Prince in Jiangsu Province. Water and land transportation are convenient. The company is the core enterprise of Jiangsu Huachang (Group) Co., Ltd., founded in 1970, restructured in 1999, and overall changed to a joint-stock limited company in 2004. The company is an A-share listed company with the chemical industry as its main business, one of the top 50 in China's fertilizer industry, one of the top 100 listed companies in the chemical industry, and an advanced enterprise in energy conservation and environmental protection in the chemical industry. At present, the enterprise has formed a diversified industrial pattern of coal chemical, salt chemical, petrochemical, hydrogen energy, and other industries. For more information: <http://www.huachanggroup.com/>

Stamicarbon B.V.

Stamicarbon, the nitrogen technology licensor of MAIRE Group, designs and licenses fertilizer plant technologies, with urea, green ammonia, and nitric acid being the core businesses. As a pioneer with a higher purpose, the company has a vision to enable the world to feed itself and improve the quality of life. Stamicarbon, a global leader in fertilizer technologies, has licensed more than 260 urea plants and has realized more than 100 revamping and optimization projects. With 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. Stamicarbon is headquartered in Sittard, The Netherlands, and operates worldwide. For more information: www.stamicarbon.com.

Stamicarbon Media Relations

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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.

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