

PRESS RELEASE

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HENAN XINLIANXIN AWARDS SECOND ULTRA-LOW ENERGY UREA PLANT TO STAMICARBON

Sittard, The Netherlands, Stamicarbon, the innovation and license company of Maire Tecnimont Group and Henan Xinlianxin Chemicals Group Co. Ltd. in China, have signed licensing and equipment supply contracts for a second Ultra-Low Energy grass root urea plant. The virtual signing event had all the spirit of a traditional ceremony, despite participants connecting from different countries via videoconferencing.



Figure 1: Mr. Wang Pingbiao, Vice General Manager, Henan Xinlianxin Chemicals Group and Mr. Stephen Zwart, Vice President Licensing, Stamicarbon symbolically shake hands after signing the contract

The first plant ever designed with Stamicarbon's innovative LAUNCH MELT™ Ultra-Low Energy design, is also licensed to this customer and is currently in commissioning at the site of their subsidiary Jiujiang Xinlianxin Fertilizer Co. Ltd. in Jiangxi province. This new contract, was signed even before the scheduled start-up of

the first plant in February. It represents the third licensing project in five years between Henan Xinlianxin Chemicals Group and Stamicarbon. It started with a revamping project signed in 2016, followed by the first Ultra-Low Energy grass root plant in 2017 and this latest contract for their second Ultra-Low Energy plant in the final days of 2020.

Stamicarbon will deliver the Process Design Package and the proprietary high pressure equipment in Safurex® and associated services for both the urea melt plant and finishing by prilling. The urea plant with a Pool Reactor will have a capacity of 2334 mtpd and is expected to start up in 2023.

The urea melt plant will feature Stamicarbon's innovative Ultra-Low Energy design, allowing for heat to be used three times (instead of two), bringing energy savings currently unrivalled by any competitor. Thus, showing Stamicarbon's commitment towards innovation and technology development to realize sustainable fertilizer solutions. By significantly reducing both steam and cooling water consumption, the design also substantially reduces plant operating costs (OPEX). The Ultra-Low design is not only suitable for new plants, it can also be used as a powerful revamp tool for both CO₂ stripping and conventional urea plants.

Stamicarbon BV

Stamicarbon is the innovation and license company of the Maire Tecnimont Group. It is a pioneering company specialized in the fertilizer industry with 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 250 urea plants and realized more than 100 revamping and optimization projects. This leading position is based on more than 70 years of experience in licensing and is maintained by its continuous innovations in technologies, products and materials. 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.

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Maire Tecnimont S.p.A.

Maire Tecnimont S.p.A., listed on the Milan Stock Exchange, heads an industrial group which leads the global natural resource conversion market (downstream oil & gas plant engineering, with technological and executive expertise). Its subsidiary NextChem operates in the field of green chemicals and technologies in support of the energy transition. The Maire Tecnimont Group operates in approx. 45 countries, though approx. 50 operative companies and about 9,100 people. For further information: www.mairetecnimont.com.

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