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Maire Tecnimont starts work on renewable-power-to-fertilizer plant in Kenya

Maire Tecnimont says it has started preliminary engineering work on a renewable-power-to-fertilizer plant in Kenya that will produce green ammonia and nitric acid for the manufacture of nitrate fertilizers. The plan targets production of 550 metric tons/day of calcium ammonium nitrate (CAN) and/or nitrogen, phosphorous, and potassium (NPK) fertilizers. Maire Tecnimont says its subsidiaries MET Development, Stamicarbon, and NextChem have started work on the plant, with MET Development having signed an agreement with Oserian Development Co. for the development of the facility at the Oserian Two Lakes Industrial Park in Nakuru County. NextChem aims to begin a front-end engineering and design (FEED) study by the end of 2021, with the aim of starting commercial plant operations in 2025, Maire Tecnimont says. The facility will reduce carbon emissions by approximately 100,000 metric tons/year compared with a standard gas-based fertilizer plant, it says. The plant will utilize 70 megawatts of renewable power. Stamicarbon will provide its technology to produce green ammonia and nitric acid as an integrated package for the manufacture of nitrate fertilizers.

New construction projects

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