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thyssenkrupp develops another fertilizer plant for Ma'aden

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The Saudi Arabian Mining Company (Ma'aden) will use the dual-pressure ammonia process developed by thyssenkrupp Industrial Solutions in the new "Phosphate 3" ammonia plant at its fertilizer complex. The plant – which has a capacity of 3,300 tons per day and is located near the port of Ras al Khair on

the Arabian Gulf – is scheduled to be completed in early 2022. In total the three Ma’aden ammonia plants, which are part of one of the world’s largest integrated fertilizer complexes, will have a capacity of around 3.5 million tons per year.

The thyssenkrupp dual-pressure ammonia process is already being used with great success in the first two ammonia plants at the “Phosphate” fertilizer complex. The plants are highly reliable and eco-friendly: This dual-pressure ammonia process reduces energy consumption by up to 4%. Since 1994 alone, thyssenkrupp Industrial Solutions has developed and built new ammonia plants with a total production capacity of more than 14 million tons and modernized several existing ammonia plants.



Ammonia plant Ma'aden 1

The bottom line: “This third contract to build a new ammonia plant intensifies the already outstanding collaboration and great trust between Ma’aden and thyssenkrupp Industrial Solutions. It reflects our position as a technology leader for super-size ammonia plants and confirms thyssenkrupp’s reputation in the industrial sector,” says Ralf Richmann, CEO of the Fertilizer Technologies business unit.
