

State of the Art Ammonia Plants and Global Project Execution Capabilities

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Nowadays we see an increasing demand for small and mid-scale ammonia plants. The reasons are manifold. High insurance cost for ammonia transport drive the local farm industry to “on site” production in the US where there is access to cheap shale gas or in other regions of the world where stranded gas is available. Other customers like the mining industry needs ammonia as a raw material for their on site production of explosives. Industrial complexes in the chemical industry often can accommodate a variety of products beside ammonia, like hydrogen, oxygen, nitrogen and CO₂ or even sell them to the merchant market. These scenarios are the economical sweet spot for the small- and mid scale plants.

Speed and easy implementation in geographies with hostile environmental conditions or a lack of qualified labor promote off site modularization in order to meet schedule and budget. EPC companies who have also a technology background and are able to combine adequate engineering tools with project execution capabilities can make these challenging projects a success.

