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Worley to support First Ammonia in delivering electric ammonia project

[Worley](#), a global professional services company of energy, chemicals and resources experts, has been awarded the final FEED contract by [First Ammonia](#) for its groundbreaking electric ammonia facility in Victoria on the Gulf Coast of Texas. The facility has an initial anticipated production capacity of 300 metric tons per day and has been designed to allow for further expansion, supporting long-term growth in low carbon energy production.

This will be the first commercial-scale ammonia plant to utilize solid-oxide electrolyzers, which will produce hydrogen from water and electricity through an energy efficient electrochemical process that is [30% more energy efficient](#) than conventional electrolyzers.

Designed for fluctuating operations, the plant will match the availability of renewable energy and contribute to the stability of the local grid. The plant has a simple and modular design lowering construction risk and minimizing total project cost.

Joel Moser, Chief Executive Officer at First Ammonia said, “We are excited to be partnering with Worley, whose strong relationship with Topsoe, our project partner and the technology licensor, and proven abilities to deliver on the US Gulf Coast will help us decarbonize heavy industry, transport fuels, and power generation. Clean ammonia plays a crucial role in reducing emissions across hard-to-abate sectors, and Worley’s expertise will be key to creating a future of flexible, decentralized, electric ammonia production.” The final FEED study has a target completion date of Q1 2025. The full project is expected to break ground later this year.

Marc Van Den Boom, Senior Vice President, Gulf Coast Operations, USA at Worley said “We’re delighted to have been selected by First Ammonia to support this groundbreaking project that has strong community backing. We’re pleased to be partnering with a company that recognizes the importance of building trust between infrastructure participants to successfully deliver projects that contribute to a more sustainable world.”



About First Ammonia:

[First Ammonia](#) is developing modular, commercial-scale plants to produce electric ammonia from fluctuating renewable energy using efficient SOEC technology. First Ammonia has secured a supply of 5 GW of electrolyzers from Topsoe with the world's largest ever electrolyzer capacity reservation agreement. First Ammonia is acquiring project sites around the world with access to low-cost, surplus renewable energy. Electric ammonia will play a central role in the decarbonization of agriculture, chemicals, power generation and storage, and transportation as a renewable energy-based fuel that is carbon-free end to end. Headquartered in New York, First Ammonia will operate production facilities on five continents, with the help of our engineering and project development team that spans First Ammonia offices in Houston-Texas and Copenhagen-Denmark.

About Worley:

[Worley](#) is a global professional services company of energy, chemicals and resources experts. We partner with customers to deliver projects and create value over the life of their assets. We bridge two worlds, moving towards more sustainable energy sources while helping to provide the energy, chemicals and resources needed now. Worley Limited is headquartered in Australia and listed on the Australian Securities Exchange (ASX: WOR).