

NewGen begins hydrogen energy feasibility study

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UK firm io consulting (io) has been awarded a contract for a bankable feasibility study by NewGen Energy Ltd to support development of a proposed carbon-neutral/green hydrogen production facility in TT.

The hydrogen output from the project is intended as a green input to ammonia production at Tringen in the Point Lisas Industrial Estate.

The project will focus hydrogen production from an industrial electrolysis process powered by carbon-neutral electricity and

electricity from renewable sources. By harnessing renewable natural resources and excess heat from TT's power plants, NewGen will be delivering a creative solution contributing to the energy transition of TT's hydrocarbon-based industrial complex, the company said in a statement Wednesday.

“There are significant and positive implications for this project. Once successful, the project will open the door to greener petrochemical products from TT, including green and carbon-neutral ammonia,” NewGen's managing director Philip Julien said via the statement.

io's parent companies, Baker Hughes and McDermott, have a long history of involvement along the entire value chain of TT's energy sector. Among other things, io will do a technical due diligence assessment that will identify, evaluate and explore commercially available electrolysis technologies to determine the optimum technology and supporting facilities required to progress to the next project stage.

Once completed, the results of this study will be used in part to support and inform any related decisions by Tringen as the proposed off-taker of an estimated 27,000 metric tonnes per year of carbon-neutral and green hydrogen.

The Tringen facility is jointly owned by the government of Trinidad and Tobago and Norwegian petrochemical giant Yara.