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## Waste to Energy Technology Award



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### Global Water Engineering (GWE's) Raptor Anaerobic Waste Technology Has Been Nominated as a Finalist in the Energy Category of the Prestigious 2014 IChemE Global Awards

Global Water Engineering (GWE's) Raptor anaerobic waste technology as applied in a starch processing waste-to-energy project in Thailand has been nominated as a finalist in the energy category of the prestigious 2014 IChemE global awards.

Chok Chai Starch converts a waste product called "wet pulp" from the processing of cassava roots into biogas (methane) green energy using GWE's Raptor system at their tapioca starch plant in Uthai Thani, Thailand. Chok Chai Starch's Thermophilic Raptor – the world's first plant to incorporate the thermophilic biological digestion process for cassava pulp – not only greatly reduces leftover pulp, but boosts the plant's existing biogas production to replace fossil fuels and to generate electricity, according to GWE.

The Raptor system greatly reduces an environmental pollution issue by processing and converting to useful green energy the leftover fresh pulp, which starts to ferment once stored, the company describes. The rotting organic material can generate considerable odor and release heavily polluted wastewater leaching out of mountainous pulp piles.

The energy category of the IChemE Global awards in which the Chok Chai installation is a finalist recognizes innovation in renewable energy, alternative energy sources, efficient energy use, or the development of energy production methods that reduce energy and water intensity.

"Advanced anaerobic technology such as that installed at Chok Chai Starch is also strongly applicable to any factory or process with one or more digestible solid waste streams." says Global Water Engineering CEO Jean

Pierre Ombregt, who has been a leader in clean water and green energy solutions for more than 35 years. "It is an important achievement to attain this sort of recognition on a global scale, because these technologies are not only helping production efficiencies, but they are achieving more positive environmental outcomes as well," says Ombregt.

Source: [Renewable Energy](#)