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## Oakey abattoir's world environmental initiative banks on biogas to secure a cleaner greener and profitable future

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*Australian Federal Industry Minister Ian Macfarlane, right, performs the launch ceremony, congratulating the General manager of Nippon Meat Packers' Oakey Abattoir Mr Pat Gleeson, centre, and the Managing Director of CST Wastewater Solutions, Mr Michael Bambridge, Right, whose company installed the GWE COHRAL technology.*

An environmental initiative that will deliver greater energy security and a cleaner, greener future at one of Australia's largest beef processing plants was launched recently (Friday, March 7) by Australian Federal Industry Minister and MP for Groom Hon Ian Macfarlane.

The COHRAL(TM) Covered High Rate Anaerobic Lagoon at Oakey Abattoir on Queensland's Darling Downs will extract green energy biogas from its waste water streams to replace millions of dollars worth of natural gas currently consumed at the abattoir.

In addition to lowering the plant's dependence on increasingly expensive supplies of natural gas, the Global Water Engineering anaerobic digestion plant will simultaneously reduce the plant's carbon footprint and produce waste water far cleaner than typical waste lagoons.

The plant is expected to repay its cost of construction inside five years through gas purchase savings amounting to many millions of dollars - then continue to deliver benefits and profitability virtually in perpetuity, says Oakey Abattoir Pty Ltd General Manager Mr Pat Gleeson.

The installation of the GWE COHRAL(TM) technology by Australian environmental engineering and green energy authority CST Wastewater solutions is the first GWE COHRAL(TM) installation in the world, deploying for the first time in a covered lagoon GWE anaerobic technology proven in more than 300 reactor (tank) installations worldwide.

COHRAL(TM) technology - which is applicable to both livestock and cropping operations - uses concentrated anaerobic bacteria to digest 70 per cent of the organic matter (COD, or Chemical Oxygen demand) in Oakey Abattoir's waste water to produce effluent of far high quality than typical open lagoons.

Adoption of the technology is the result of an exhaustive selection process and the committed alliance to the environment of Oakey Abattoir and its owners Nippon Meat Packers, says Mr Gleeson.

For more information, please visit [www.cstwastewater.com](http://www.cstwastewater.com) or [www.globalwaterengineering.com](http://www.globalwaterengineering.com)