



Ecospec Global Technology Pte Ltd

315 Alexandra Road
#02-03 Sime Darby Business Centre
Singapore 159944

Tel: (65) 6602 9600

Fax: (65) 6602 9611

www.ecospec.com

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Contact Information:

August Consulting

Tel: +65 6733 8873 Fax: +65 6733 9913

YAP Meng Lee – menglee@august.com.sg

Silvia HENG – silvia@august.com.sg

BOO Puay Yang – puayyang@august.com.sg

Ecospec inks cooperation agreement with German AE&E Lentjes to build CSNOx systems

- *2nd strategic partnership between Ecospec and leading international companies, marking its rapid headway in combating green house gas emissions onshore*
- *Partnership with STX Heavy Industries progressing well – integration of CSNOx in Korean pilot plant underway*

SINGAPORE – 18 January 2010 - Ecospec Global Technology Pte Ltd (“Ecospec” or the “Company”), a Singapore research and technology company specialising in breakthrough environmental emission abatement, energy and water technologies, has achieved another major advancement in setting its proven CSNOx system as a standard for emission control practice in onshore heavy industries.

The Company announced today that it has inked a cooperation agreement with German company, **AE&E Lentjes GmbH** (“AEL”), to build CSNOx systems in selected pilot or pre-scale up projects. AEL is a leading, international engineering, procurement and construction (EPC) company specialising in process and plant engineering, design, and supply including the erection of turn-key projects for diverse, power plant applications. As part of this agreement, Ecospec and AEL will embark on two potential pilot projects.

Mr Chew Hwee Hong, Ecospec's Managing Director and Founder said, "This strategic alliance marks another major milestone for Ecospec's onshore initiatives for CSNOx. It is a fact that onshore industrial industries account for the bulk of global emissions today, and we are delighted to have AEL coming onboard jointly to fight the global climate change issue. We share the same goal to create a cleaner and fresher environment for the world through CSNOx, the world's first commercially viable solution that can effectively reduce carbon emissions."

This is the second strategic partnership that Ecospec has successfully forged with leading companies in a span of a month, signaling the rising level of interest that onshore industrial sectors around the world have in CSNOx.

In December 2009, Ecospec entered into a technology and integration partnership with an established Korean EPC company, STX Heavy Industries Co., Ltd. ("STX HI"), to integrate the CSNOx system in its plant construction projects. To date, this partnership is progressing well to build a CSNOx system for a power plant located in South Korea.

According to a media report published in November 2009, South Korea released 590 million tons of the greenhouse gases in 2005. If no action is taken to cut emissions, South Korea is expected to produce 813 million tons of greenhouse gases in 2020. The country aims to cut emissions of carbon dioxide and other heat-trapping gases by 30 percent below expected levels in 2020.¹

Moving ahead, Ecospec intends to collaborate with leading global EPC companies to continue its efforts in making CSNOx an industrial norm for emission control within the power generation, oil and gas and other heavy industries.

"We believe that this business model works well for Ecospec as we are able to tap on the competitive strengths that these leading companies have in their industries, such as expertise in plant construction, a strong brand name, and solid customer bases.

¹ Source: Associated Press, "South Korea pledges 30 percent emissions cut by 2020", 17 November 2009

Seeing the accelerated pace at which CSNOx is being accepted in industrial emission control practice, we are positive and confident that Ecospec's goal to help the world solve the climate change issue is realistic and achievable," said Mr Chew.

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About Ecospec Global Technology

Ecospec is a Singapore technology company that researches and develops cost-effective solutions for environmental issues. Founded in 2001, Ecospec has since established itself as a pioneer and global market leader in advanced environmental emission abatement, energy and water technologies with a worldwide presence and numerous technology patents filed or granted to date.

In early 2009, Ecospec introduced CSNOx, the first commercially viable solution capable of reducing carbon dioxide (CO₂), sulphur dioxide (SO₂) and nitrogen oxide (NOx) emitted by large tankers all in one process and in a single system. In addition, the emission abatement is achieved at a net carbon reduction, without acidifying the ocean, and with no other secondary pollutants or harmful substances discharged into the sea.

In addition, CSNOx is applicable for large land-based emission treatment such as incinerators, power plants and refineries.

CSNOx uses Ecospec's proprietary Ultra-Low Frequency waves electrolysis treatment technology to treat seawater/freshwater. The treated water becomes highly reactive in removing CO₂, SO₂, and NOx. The resultant wash or scrubbed water meets and surpasses discharge water international standard and no chemicals are introduced in the CSNOx treatment process.

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