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Ecospec's CSNOxTM draws overwhelming response at IMO's MEPC 59

- *Over 270 guests attended Ecospec's exclusive presentation of its breakthrough CSNOxTM*

SINGAPORE – 16 July 2009 – Ecospec Global Technology Pte Ltd (“Ecospec” or the “Company”), a Singapore research and technology company specialising in advanced water and oil treatment technologies, successfully presented its breakthrough CSNOxTM technology to attendees of the 59th session of the Marine Environmental Protection Committee (“MEPC 59”) meeting. The MEPC 59 was held at the headquarters of the International Maritime Organization (“IMO”) in London from 13-17 July.

During the luncheon presentation, Ecospec's Managing Director and Founder, Mr Chew Hwee Hong, provided an in-depth introduction of the CSNOxTM technology which drew overwhelming responses from over 270 attendees. These attendees included representatives from member states of IMO, Inter-governmental Organisations (“IGOs”), Non-governmental Organisations (“NGOs”), such as Norwegian Shipowners Association, German Shipowners Association, Environmental Protection Agency (“EPA”), Cruise Lines International Association Inc and other interested parties.

In his presentation, Mr Chew gave a detailed introduction of the CSNOxTM system, its unique green benefits, the various test results on its scrubbing efficiencies recorded to date, and the verification by the American Bureau of Shipping (“ABS”).

Mr Chew said, “We were thrilled to present CSNOxTM to the global maritime community at MEPC 59, and from the overwhelming response that we garnered from the packed session, it was evident that CSNOxTM is gaining recognition amongst the industry, with an increasing number of key stakeholders taking notice of our solution as a potential means to solve the emission issues the shipping industry faces today.”

“Our presentation at IMO has generated stronger awareness of CSNOxTM. Currently, Ecospec is following up on a number of prospects. We are concurrently planning to conduct a sea trial of CSNOxTM onboard another tanker this year, which will be witnessed and verified by ABS and the relevant regulator as part of the IMO type approval process for Exhaust Gas Cleaning Systems,” added Mr Chew.



Mr Chew Hwee Hong (4th person from the left) delivered his presentation on CSNOxTM at IMO

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About CSNOxTM:

CSNOxTM is a “true green” technology that reduces greenhouse gases and exhaust pollutants – carbon dioxide (“CO₂”), sulphur dioxide (“SO₂”) and nitrogen oxide (“NO_x”) – from marine vessels all in one process and in a single system. Currently, there are no existing solutions capable of removing CO₂, the main culprit for global warming, from ships’ emissions, and CSNOxTM is the first solution to remove CO₂ cost effectively. Full commercialization of the CSNOxTM system for onshore industries will also be rolled-out in the near future to combat land-based emissions.

At the introduction of CSNOxTM in January 2009, the results of the initial test conducted onboard an ocean-going Aframax tanker of a leading tanker shipping company in December 2008 were announced, and the CSNOxTM had achieved an efficiency in scrubbing sulphur dioxide (“SO₂”), nitrogen oxide (“NO_x”) and carbon dioxide (“CO₂”) by 92.9%, 82.2% and 74.4% respectively.

In April 2009, ABS witnessed the scrubbing efficiency of the CSNOxTM system at a shore-based rig in Singapore, and verified the performance of the unit in producing treated seawater that leads to scrubbing efficiencies of NO_x (50% ~ 80%), SO₂ (up to 100%), and CO₂ (30% ~ 55%).

In July 2009, Ecospec received full Product Type Approval (“PTA”) from ABS for its ULFELS Generator ULF01, which is the ‘heart’ of the CSNOxTM system. Along with an appropriately designed abator tower, the CSNOxTM system is ready to serve other kinds of industries too. Ecospec intends to seek similar type approval for its ULFELS Generator, ULF01 by other members of the International Association of Classification Societies (“IACS”) as well.

About Ecospec Global Technology

Ecospec is a Singapore technology company that research and develops cost-effective solutions for solving pressing environmental issues in the water, energy and marine industries. Founded in 2001, Ecospec has since established itself as a pioneer and global market leader in advanced non-chemical water and oil treatment technologies, with numerous technology patents filed or granted to date.

The Group’s R&D capabilities cover basic research in non-chemical water and oil treatment, and application development in Singapore, plus electronic and hardware research. In addition, Ecospec has a worldwide presence spanning Singapore, China, India, Indonesia, Thailand, the Far East, Europe, Central America and USA.

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In January 2009, Ecospec introduced CSNOxTM, a first commercially viable solution capable of reducing carbon dioxide, sulphur dioxide and nitrogen oxide emitted by ships all in one process and in a single system. The scrubbing by CSNOxTM is achieved at a net carbon reduction without a net increase in carbon dioxide released to the atmosphere, no acidifying of the ocean, and with no other secondary pollutants or harmful substances discharged into the sea. CSNOxTM is also highly cost-effective and its compact design enables installation on ships, with immense potential for onshore applications in the near future.

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