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MPA PROVIDES S\$2 MILLION CO-FUNDING FOR SINGAPORE-DEVELOPED EMISSION REDUCTION SYSTEM

Ecospec is latest recipient under MPA's MINT Fund

The Maritime and Port Authority of Singapore (MPA), through its Maritime Innovation and Technology (MINT) Fund, is providing S\$2 million to co-fund a project for the test-bedding and type approval of CSNOx™, a locally developed technology that reduces greenhouse gas and exhaust pollutants from ship emissions.

The CSNOx™ system was developed by Ecospec Global Technology Pte Ltd (Ecospec), a local research and technology company specialising in advanced emission reduction technology. The CSNOx™ system, if successful tested and type approved under IMO requirements, could potentially contribute to global efforts in reducing pollution and greenhouse gas emissions from ships.

The CSNOx™ test-bedding project is supported under the \$100 million MINT Fund set up in 2003 to support research, development and test-bedding of maritime technologies by universities, research institutes and companies in Singapore. Two of the research and development areas under the MINT Fund are 'clean energy' and 'environment technology'. The co-funding for the CSNOx™ test-bedding project comes under these areas.

According to Ecospec, the CSNOx™ system not only reduces carbon dioxide (CO₂), sulphur dioxide (SO₂) and nitrogen oxide (NOx) emitted by ships, but achieves all these in one process and in a single system. The scrubbing by CSNOx™ is also achieved at a net carbon reduction, without acidifying the ocean, and with no other secondary pollutants or harmful substances discharged into the sea. CSNOx is the first solution to remove CO₂ in a cost effective manner and also has the potential for land-based applications, such as in incinerators, power plants and refineries.

In June and July 2009, Ecospec received Product Design Assessment and Product Type Approval respectively for its ULFELS Generator ULF01, the alkaline water-generating unit that is the main component of CSNOx™ from the American Bureau of Shipping (ABS). Together with an appropriately designed abator tower, the CSNOx™ scrubber system will now undergo ship board testing for subsequent type approval in accordance with IMO requirements.

Mr Chew Hwee Hong, Managing Director and Founder of Ecospec said, “We are delighted to receive S\$2 million co-funding from MPA under its MINT Fund programme to conduct test-bedding of CSNOx™ onboard a ship. The funding helps support a priceless opportunity for a ‘completely developed in Singapore’ breakthrough technology to penetrate the global maritime industry. Ecospec shares the same aim as MPA, which is to enable the maritime industry to go green via commercially-viable marine emission-reduction technology.”

End

Jointly issued by the Maritime and Port Authority of Singapore and Ecospec Global Technology

About the Maritime and Port Authority of Singapore (MPA)

The Maritime and Port Authority of Singapore (MPA) was established on 2 February 1996 with the mission to develop Singapore as a premier global hub port and international maritime centre (IMC), and to advance and safeguard Singapore's strategic maritime interests. MPA is the driving force behind Singapore's port and maritime development, taking on the roles of Port Authority, Port Regulator, Port Planner, IMC Champion, and National Maritime Representative. MPA partners the industry and other agencies to enhance safety, security and environmental protection in our port waters, facilitate port operations and growth, grow the cluster of maritime ancillary services, and promote maritime R&D and manpower development.

For more information on MPA, please visit www.mpa.gov.sg

About Ecospec & CSNOx™

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

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