

Shipping makes green waves with top environmental award

Abbott, Bukit View Secondary School and Samwoh Corporation among the winners of Singapore Environmental Achievement Awards 2016

Singapore, 20 July 2016 – It was a double scoop for the maritime industry as Wallenius Wilhelmsen Logistics AS (Singapore Branch) (WWL), a Swedish/Norwegian shipping and logistics company received both the SEC-CDL Outstanding Singapore Environmental Achievement Award and the inaugural SEC-MPA Singapore Environmental Achievement Award (Maritime). This is the second consecutive year that a maritime organisation has stood out amongst all recipients, reinforcing the importance of environmental sustainability both on land and at sea. Seven organisations received awards under the six categories at the awards ceremony this afternoon.

This year's awards also saw repeat winners with Samwoh Corporation Pte Ltd, a home-grown market leader in the construction industry, an SEAA winner in 2010, winning the SEC-SETSCO Singapore Environmental Achievement Award (Manufacturing) and the Housing & Development Board, which won in 2013 receiving the SEC-Senoko Energy Green Innovation Award. Their achievements reflect the merits in continually striving for environmental sustainability even as Singapore's build environment expands.

Highlighting the importance of contributions from all sectors, Mr Edwin Seah, Executive Director of the Singapore Environment Council said: "90% of world trade by volume is carried by shipping. And with shipping being a significant contributor of sulphur oxide and nitrogen oxide emissions, there is an opportunity for the sector to reduce airborne pollution from carbon emissions and fossil fuel consumption on a global scale. We are heartened to see the efforts and leadership taken yet again by a shipping firm to embrace sustainable shipping to protect the environment. We are also pleased that two giants in the local build environment have continued to pursue environmental sustainability as part and parcel of their business."

The Maritime and Port Authority of Singapore (MPA), a 2015 SEAA winner, stepped forward to sponsor the SEC-MPA Singapore Environmental Achievement Award (Maritime), recognising Singapore's status as a renowned international maritime centre and a premier global hub.

"Having won the SEAA ourselves last year, Maritime and Port Authority of Singapore is honoured to be the category sponsor for the inaugural Maritime Sector award this year. MPA's sponsorship is a reflection of our commitment in promoting a Clean and Green Maritime Singapore. We strongly encourage maritime companies to tap the incentive schemes provided under MPA's Maritime Singapore Green Initiative to reduce the environmental impact of shipping and its related activities, and to promote clean and green shipping in Singapore. We would like to congratulate the two trailblazers, WWL and The China Navigation Company for winning this year's award," said Mr Andrew Tan, Chief Executive of MPA.

Outstanding award winner, WWL, not only established measures to reduce their atmospheric and marine pollutant emissions, such as introducing a new sulphur policy limiting sulphur at berth to <0.1% for all vessels in all ports globally. They also founded the Trident Alliance, an international coalition of more than 35 ship owners and operators from 12 countries, to raise awareness on the enforcement of sulphur regulations.

"Wallenius Wilhelmsen Logistics is very pleased that the MPA leads the way to create and reward environmental "best practice" in SE Asia and the SEC continues to recognise Environmental forerunners. We appreciate the recognition of our long standing low sulphur policy, and are happy to announce that we are taking it further by the introduction of our <0.1% sulphur at berth policy this year, improving air quality in Singapore and all other ports in the world," said Mr Gur Prasad-Kohli, Head of South Asia (India & SE Asia) at WWL.

The winners for the six award categories for SEAA 2016 are:

- **SEC-CDL Outstanding Singapore Environmental Achievement Award**
 - Winner: Wallenius Wilhelmsen Logistics AS (Singapore Branch)

- **SEC-SETSCO Singapore Environmental Achievement Award (Manufacturing)**
 - Joint Winner: Abbott
 - Joint Winner: Samwoh Corporation Pte Ltd

- **SEC-CITIC Telecom Singapore Environmental Achievement Award (Services)**
 - Merit Winner: Mandarin Orchard Singapore

- **SEC-Lee Foundation Singapore Environmental Achievement Award (Public Sector)**
 - Winner: Bukit View Secondary School

- **SEC-MPA Singapore Environmental Achievement Award (Maritime)**
 - Winner: Wallenius Wilhelmsen Logistics AS (Singapore Branch)
 - Merit Winner: The China Navigation Company Pte Ltd

- **SEC-Senoko Energy Green Innovation Award**
 - Winner: Housing & Development Board

All category winners received their awards from Guest-of-Honour, Mr Masagos Zulkifli, Minister for the Environment and Water Resources at the Orchard Hotel.

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ABOUT THE SINGAPORE ENVIRONMENTAL ACHIEVEMENT AWARDS

The SEAA is one of the distinguished pioneer green awards in Singapore. Launched in 1997 to inspire local commitment to corporate best practices in environment, the awards have blossomed into a regional affair in the past 19 years. From the public sector to manufacturing and services industries, the SEAA has been key to influencing some of the best practices in corporate sustainability. 2016 saw a new Maritime award category introduced to encourage and recognise maritime organisations who have exemplified environmental leadership.

Applicants undergo rigorous independent assessments conducted by the Assessment Committee based on competitive judging criteria to be declared winners in each of six award categories. The Assessment Committee puts forth the recommendations to the Steering Committee, which determines the final selection of winners.

For more information, please visit www.sec.org.sg/seaa.



ABOUT THE SINGAPORE ENVIRONMENT COUNCIL

Established in 1995, the Singapore Environment Council (SEC) is an independently managed, non-profit and non-government organisation (NGO). We influence thinking on sustainability issues and coordinate environmental efforts in Singapore.

We are also an approved charity and offer tax exemption to donors. SEC continuously engages all sectors of the community by formulating and executing a range of holistic programmes, such as the Singapore Environmental Achievement Awards, Asian Environmental Journalism Awards, School Green Awards, Singapore Green Labelling Scheme, Project: Eco-Office, Project: Eco-Shop and Project: F&B. In addition, we build a pool of committed volunteers under our Earth Helpers programme. Our Training and Education arm provides the people, public and private sectors with the opportunity to develop awareness, knowledge, skills and tools in order to protect and improve our environment for a sustainable future.

Strong partnerships with corporations, government agencies and other NGOs are valued by us. These partnerships are vital for sustaining our programmes, leading to positive action and change. Over the years, SEC has given strength and direction to the environmental movement in Singapore.

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APPENDIX 1: About SEAA Winners and Merit Winners

SEC-CDL Outstanding Singapore Environmental Achievement Award

Winner: Wallenius Wilhelmsen Logistics AS (Singapore Branch)

Wallerenius Wilhelmsen Logistics (www.2wglobal.com) is a leading provider of global logistics and shipping solutions to manufacturers of cars, trucks, heavy equipment and specialised cargo. The company is an industry leader in developing solutions to reduce its operational impact on the environment. WWL has 7,000 employees worldwide and deploys 55 modern vessels servicing 12 trade routes to six continents.

Their green initiatives/achievements include:

1. Monitoring environmental performance targets as part of operational Key Performance Indicators
2. Introducing a new sulphur policy limiting sulphur at berth to <0.1% for all vessels in all ports globally
3. Certifying its entire fleet with the Green Passport, which are documents that ensure that the ships meet International Maritime Organisation guidelines on ship recycling.
4. Initiating the Trident Alliance, a coalition of ship-owners and operators on the enforcement of sulphur regulations, and participating as a member in the World Shipping Council's Environmental Advisory Committee.

SEC-SETSCO Singapore Environmental Achievement Award (Manufacturing)

Joint Winner: Abbott

Abbott is a diversified global healthcare company devoted to helping people live the best life they can through good health. The company has been operating in Singapore for more than 40 years to continually bring forward breakthrough products and technologies – in nutrition, diagnostics, medical devices and branded generic pharmaceuticals – that tackle some of healthcare's greatest challenges. Abbott's manufacturing facility in Tuas is the company's largest nutritional investment and its first nutrition plant in Asia. This state-of-the-art facility produces science-based nutrition products for people across the Asia-Pacific region.

The company's green initiatives and achievements include:

1. Having a clear environmental vision to safeguard the environment and improve lives that is driven and owned by employees.
2. Defining a long term environmental leadership road map with aggressive goals to improve performance.

3. Fostering a culture of innovation and continuous engagement to recognise ideas and share best practices from employees.
4. Successfully reducing carbon emissions while decreasing energy costs by 33 percent as a result of launching a Utility Excellence program and improvement projects made to the chillers and boiler systems.

Joint Winner: Samwoh Corporation Pte Ltd

Incorporated in Singapore since 40 years ago, Samwoh Corporation Pte Ltd has a strong presence in the civil and infrastructure construction, and is also an integrated provider of a full suite of engineering services from supply of building materials, recycling of construction and industrial wastes, research and development, to consultancy services.

Their green initiatives/achievements include:

1. Working closely with government agencies and institutes of higher learning to develop eco-friendly and sustainable materials for the construction industry.
2. Advocating and shaping the industry towards adopting greener and innovative construction materials through sharing of technical know-how and experiences.
3. Active participation in conferences such as the 33rd Conference of ASEAN Federation of Engineering Organisations, and publication of research findings in renowned journals such as Journal of Materials in Civil Engineering and American Society of Civil Engineers (ASCE).
4. Established the Samwoh Eco-Green Park in 2010 which houses a Research and Development Centre and exhibition gallery that showcases the company's state-of-the-art green technologies to the public.

SEC-CITIC Telecom Singapore Environmental Achievement Award (Services)

Merit Winner: Mandarin Orchard Singapore

One of the top luxury hotels in Singapore, Mandarin Orchard Singapore features 1,077 guestrooms and suites. In 2015, Mandarin Orchard Singapore was commended by both the National Environment Agency and Singapore Hotel Association, and invited to share its 3Rs best practices in food waste management.

Their green initiatives/achievements include:

1. Investing in a custom-made Touch to Move trolley system and installing an Eco-Wiz food digester to manage food waste.
2. Involving employees in its environmental strategy through the Green Fund, which is used to organise green activities and reward staff for their green efforts.

3. Clearly defining environment targets through a systematic filing of data and tracking records.
4. Enhancing the culture of sustainability by incorporating it as a component in staff appraisals.

SEC-Lee Foundation Singapore Environmental Achievement Award (Public Sector)

Winner: Bukit View Secondary School

Bukit View Secondary School's vision for environmental education is to be a model Green School. The school builds a conducive and vibrant learning environment, serving as an educational platform for students to learn, experiment with, and develop innovative ideas and products that will bring benefits to the community.

This resulted in the school's focus on our environmental education programmes and official conferment of our Niche Status in Environmental Science from MOE in 2012, and in the following year, the Applied Learning Programme (ALP) in Clean Energy and Environmental Technology.

The school believes in investing in infrastructure to support learning. Science Learning Walls were setup outside the Science Lab, rainwater collection system was built, motion sensors were installed in the school's toilets, 2 energy meters were installed to monitor the energy usage, butterfly and spices gardens to educate students on the need for biodiversity conservation, solar panels on the rooftop and education panel at environment gallery, 'the Pavilion' outdoor classroom and plans to build an Energy Hub.

The school has introduced the JOULES (Junior Outstanding Leaders in Energy for Sustainability) programme based on the 4P framework namely Promote, Participate, Propagate and emPower, to groom leaders to be interested in careers related to Science, Engineering, Technology and Maths (STEM) ie, engineers, innovators and entrepreneurs in the area of sustainable living and who cares for the environment.

The journey ahead for BVSS to forge a greener future in the next 15 years will continue to be one where everyone, students, teachers, parents and partners will have a part to play, to positively impact the environment and build a school and Singapore that is sustainable, happy and green.

SEC-MPA Singapore Environmental Achievement Award (Maritime)

Winner: Wallenius Wilhelmsen Logistics AS (Singapore Branch)

(Refer to description under SEC-CDL Outstanding Singapore Environmental Achievement Award)

Merit Winner: The China Navigation Company Pte Ltd

Headquartered in Singapore, The China Navigation Company Pte Ltd is the wholly-owned deep-sea ship-owning and operating arm of the multinational Swire group. Founded in 1872, it operates a global network of multi-purpose liner, dry bulk and bulk logistics services, with primary operation focus in Asia-Pacific.

Their major recent green initiatives/achievements include:

1. Investing in eco-friendly vessel designs which deliver reduced fuel consumption and thus reduced GHG emissions
2. Working closely with its sea staff on improving operational efficiencies and reducing bunker consumption on board
3. Investing in trim optimisation, slide valves and slow steaming nozzles for optimising vessel speed and fuel consumption and reduction of NOx emissions
4. Producing 2,000 “Green Containers” eliminating 44 tonnes of VOC emissions
5. Being a founding member of the Sustainable Shipping Initiative, a coalition of global leaders taking steps to help the whole shipping value chain make long-term sustainable plans for future success.

SEC-Senoko Energy Green Innovation Award

Winner: Housing & Development Board

The Housing & Development Board (HDB) is Singapore's public housing authority. Its Building and Research Institute was formed to promote research, technology development and management of intellectual property rights. The year's innovation features the Urban Environmental Modelling (UEM) Platform.

Taking into account the various interdependencies of environmental factors, the UEM platform adopts a holistic approach integrating the entire process from planning, designing and environmental modelling during various stages of development from township, district to precinct level.

With UEM, HDB is able to simulate environmental conditions, such as wind flow and solar irradiance, to determine how new flats can be sited and designed to provide residents with optimal thermal comfort and a more conducive living environment.

The Housing & Development Board also uses findings from the UEM and shares them with the industry, such as external consultants involved in the design of HDB projects.

APPENDIX 2: About SEAA Sponsors

City Developments Limited

Sponsor of SEC-CDL Outstanding Singapore Environmental Achievement Award

City Developments Limited (CDL) is a Singapore-listed international real estate operating company with a global presence spanning 94 locations in 26 countries. As one of Singapore's largest companies by market capitalisation, its income-stable and geographically-diversified portfolio comprises residences, offices, hotels, serviced apartments, integrated developments and shopping malls, totalling over 18 million square feet of floor area globally.

CDL has hotel assets in one of the world's largest hotel groups – its London-listed subsidiary, Millennium & Copthorne Hotels plc (M&C), has 126 hotels globally, many in key gateway cities. In Singapore, CDL has developed over 36,000 homes and is one of Singapore's largest commercial landlords, with one of the biggest landbanks amongst Singapore private-sector developers.

Beyond the brick-and-mortar, CDL has pioneered visionary approaches to 'Conserve as it Constructs' since 1995. For more than two decades, CDL has been leading the industry with green building innovation from first-of-its-kind sustainable developments that inspire eco-friendly lifestyles to industry-changing methods that promote recycling, reduce waste and raise productivity.

Earlier this year, CDL was named Top Real Estate Company in the Global 100 Most Sustainable Corporations in the World 2016 ranking, on top of the many accolades recognising accomplishments in sustainability over the years. CDL is the first developer conferred the Building and Construction Authority (BCA) Green Mark Platinum Champion and Built Environment Leadership (Platinum) Awards. It has also achieved over 80 BCA Green Mark buildings and office interiors to date, the highest among Singapore developers.

Globally, CDL remains the first Singapore corporation to be listed on three of the world's leading sustainability benchmarks – FTSE4Good Index Series (since 2002), Global 100 Most Sustainable Corporations in the World (since 2010) and Dow Jones Sustainability Indices (since 2011). In the Channel NewsAsia Sustainability Ranking 2015, CDL was named Top Property Developer in Asia, Top Singapore Corporation, and among the top 10 sustainable companies in Asia.

As a socially responsible corporation, CDL has been integrating Corporate Social Responsibility (CSR) into its corporate vision and mission to create business value and to achieve a balanced triple bottom line in financial, environmental and social performance. To deliver a positive impact to the community, CDL also focuses on giving back by supporting the underprivileged and the arts, as well as cultivating environmental consciousness amongst the next generation.

For more information on CDL's CSR initiatives, visit www.cdl.com.sg/csr.

SETSCO Services Pte Ltd

Sponsor of SEC-SETSCO Singapore Environmental Achievement Award (Manufacturing)

SETSCO Services Pte Ltd is one of Singapore's leading and largest testing and inspection companies accredited by SAC-Singlas to ISO/IEC 10725 and by SAC to ISO/IEC 17020 and ISO/IEC 17065.

With offices in Singapore and Malaysia, SETSCO collaborates with established institutions, professional bodies and government agencies in providing testing, calibration, inspection, consultancy, training and certification services to the aerospace, marine and offshore, pharmaceutical, oil and gas, petrochemical, food, building and construction and electronics manufacturing industries. With specialisation in the fields of mechanical, chemical and civil engineering, metrology, environmental, biological and non-destructive testing, SETSCO is capable of offering a comprehensive range of reliable professional services to meet the diversified and ever-growing needs and demands of the industries.

Built on a vision of sustainable technological development and strong industry relations, SETSCO strives to be a one-stop service provider to all sunset and emerging industries and establishes itself as a reliable business and testing partner.

CITIC Telecom International (SEA) Pte Ltd

Sponsor of SEC-CITIC Telecom Singapore Environmental Achievement Award (Services)

CITIC Telecom International ("CITIC Telecom") is a reputable telecoms operator in Asia.

CITIC Telecom owns and operates a telecoms hub with its key markets in China, Hong Kong and Macau. The Group is actively expanding its business internationally by providing interoperability and interconnection services to global telecoms operators. CITIC Telecom's main businesses cover Voice Services, SMS Services, Mobile Value Added Service (VAS) and Data Services.

It also provides a full range of Information and Communications Technology (ICT) solutions through its wholly-owned subsidiary, CITIC Telecom International CPC Limited ("CITIC Telecom CPC"), across the Asia Pacific region. CITIC Telecom CPC is a preferred partner of leading multinational corporations and business enterprises.

Caring for the Environment is one of the six pillars of CITIC Telecom's corporate social responsibility (CSR) drive. In Singapore, the office was certified an Eco-office since 2010 and has since successfully gone through numerous re-certifications. In addition, CITIC Telecom held their annual Barter trade fair at their office to drive the importance of recycling.

To further the environmental protection effort as well as to help students with financial needs, they sponsored "CITIC Telecom Scholarship" at Singapore Polytechnic to help students pursuing the related courses concerning the preservation of the environment.

Maritime and Port Authority of Singapore

Sponsor of SEC-MPA Singapore Environmental Achievement Award (Maritime)

Singapore is one of the world's busiest ports and a leading international maritime centre. As the agency responsible for regulating and promoting the maritime sector, the Maritime and Port Authority of Singapore (MPA) takes the lead in promoting good practices within the maritime community.

In 2011, MPA launched the Maritime Singapore Green Initiative (MSGI) and pledged to invest S\$100 million to reduce the environmental impact of shipping and related activities and to promote clean and green shipping in Singapore. The flagship programmes under MSGI include the Green Ship Programme, Green Port Programme and Green Tech Programme. The MPA Sustainability Office created in 2014 further drives other initiatives to encourage maritime companies towards sustainable shipping.

MPA recently also enhanced the MSGI with two new programmes. The Green Energy Programme aims to promote adoption of alternate or cleaner marine fuels as well as wider adoption of energy efficient operational measures. The Green Awareness Programme's objective is to create awareness on possible avenues towards sustainable shipping.

MPA aims to build a Future Ready Maritime Singapore that is competitive as it is sustainable.

Senoko Energy Pte Ltd

Sponsor of SEC-Senoko Energy Green Innovation Award

Senoko Energy is the largest power generation company in Singapore, having an installed capacity of 3,300 megawatts (MW) and providing more than 20% of Singapore's electricity needs. Since 1976, Senoko has been meeting Singapore's power needs, and has established a strong reputation as a reliable and dependable market leader. Senoko Energy is the winner of the inaugural Singapore Energy Award in 2013.

Senoko Energy is the first generation company in Singapore to import piped natural gas from Malaysia; the first to repower its plant; the first to adopt combined cycle technology; and the first genco to be certified ISO 9001, 14001 and OHSAS 18001.

Senoko Energy is owned by an international consortium comprising Marubeni Corporation, ENGIE S.A., The Kansai Electric Power Co., Inc., Kyushu Electric Power Co., Inc. and Japan Bank for International Cooperation. Senoko Energy has three subsidiaries: Senoko Energy Supply (SES), is a leading provider of electricity retail and energy services to contestable customers in the electricity retail market; Senoko Services Pte Ltd, a provider of fuel storage tank leasing and terminal services; and Senoko Gas Supply Pte Ltd, a gas operations company.