

Leading Corporates Recognised for Environmental Stewardship in Singapore and in the Region

Keppel Land, Institute of Technical Education, HDB and KUB-Berjaya Enviro among the winners of the Singapore Environmental Achievement Awards 2013

Singapore, 15 August 2013 – The Singapore Environment Council (SEC) today announced the winners of the Singapore Environmental Achievement Awards (SEAA) 2013. Out of 21 applications received, the following organisations emerged as the winners of the various categories:

- **Kimberly-Clark Singapore Environmental Achievement Award (Services)**
 - Winner: Keppel Land Limited
 - Merit Winner: Keppel DHCS Pte Ltd

- **Lee Foundation Singapore Environmental Achievement Award (Public Sector)**
 - Winner: Institute of Technical Education (ITE)
 - Merit Winner: East View Primary School

- **DFS Singapore Environmental Achievement Award (Regional)**
 - Winner: KUB-Berjaya Enviro Sdn Bhd

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

- **SetSCO Singapore Environmental Achievement Award (Manufacturing)**
 - Merit Winner: M Metal Pte Ltd

The CDL Outstanding Singapore Environmental Achievement Award will be announced at the awards ceremony on 22 August 2013, which will be held at the Conrad Centennial Hotel. The Guest-of-Honour for the event will be Dr Vivian Balakrishnan, Minister for the Environment and Water Resources.

Reflecting on the role of the SEAA in shaping Singapore's business and sustainability profiles, and SEC's constant upgrading and expansion of the SEAA, Mr Jose Raymond, Executive Director of the SEC, said: "Since 1997, the SEAA has been recognising companies in Singapore that lead in environmental excellence. In recent years, SEAA has expanded its outreach to regional companies and public sector organisations as well. We took this step to reinforce the message that in this day and age, environmental responsibility lies not only with the government, but with the private and public sector as well. Additionally, given Singapore's efforts to set a good example for responsible,

ethical and sustainable business practices in the region, SEC hopes the regional category – which was introduced last year – encourages companies from neighbouring countries to strive for greater corporate environmental responsibility, while gaining recognition for their efforts. ”

About the SEAA 2013 Award Recipients

Keppel Land Limited (Keppel Land) is the winner for the Kimberly-Clark Singapore Environmental Achievement Award (Services). The company was selected based on the strength of their environmental management systems and commitment towards environmental protection.

Keppel Land has also aligned itself with best practices by adopting several external global benchmarks in environmental reporting including United Nations Global Compact, Carbon Disclosure Project, Dow Jones Sustainability Index, Global Real Estate Sustainability Benchmark, ISO 26000 and ISO 14000, to name a few.

On its environmental approach, Mr Ang Wee Gee, CEO of Keppel Land, said: “As a responsible developer, Keppel Land is guided by our vision to be the preferred provider of urban living solutions. We want to create sustainable and optimal live-work-play environments in all our properties of a distinguishable Keppel quality. Winning the SEAA is testament of our proactive approach towards environmental management and protection. In shaping the future, Keppel Land has also set the goal of reducing carbon emissions intensity by 16% below 2010’s emission levels.”

The winner of the Lee Foundation Singapore Environmental Achievement Award (Public Sector) is the Institute of Technical Education (ITE). ITE was chosen due to their numerous industry tie-ups and robust student involvement in their environmental programmes.

One such tie-up is with Renewable Energy Corp (REC), wherein REC donated 150 photo voltaic panels to support the ITE-REC PV System, a 15kW Grid-Tied Solar System set up at ITE College West. The system was used for real-time learning opportunities for the staff and students.

“Innovation is essential when it comes to developing creative ways to inspire our students. Our programmes have been successful in engaging the student population in environmental sustainability.

The award serves as a testament of our staff’s and students’ efforts in greening the school. They have carried out projects ranging from maintaining a solar energy farm, harvesting rainwater, to developing a solar heating system. Such positive reinforcement will encourage them to continue to be engaged in sustainability issues and influence others too,” said Mr Bruce Poh, Director & CEO of ITE.

KUB-Berjaya Enviro Sdn Bhd – the second regional company to be awarded the DFS Singapore Environmental Achievement Award (Regional) which was introduced in 2012 – shared how the company spared no effort in keeping environmental sustainability at the heart of its business operations.

“Our core business is designing, developing, operating and managing the Bukit Tagar Sanitary Landfill. One of the company’s principal objectives is to develop and operate the sanitary landfill with optimal regard to the environment. With our zero-discharge policy for the treated effluent and comprehensive landfill gas management system, we have gone above and beyond what is required of any sanitary landfill in Malaysia” said Mr Chock Eng Tah, Managing Director of KUB-Berjaya Enviro Sdn Bhd.

Apart from applying green innovation to the operations aspects of the landfill, Bukit Tagar Sanitary Landfill has one of the largest grid-connected renewable energy facilities in Malaysia, generating electricity from its 4.4MW gas engines using methane harnessed from municipal solid wastes. In addition to this, an innovative pilot solar project using photovoltaic panels has been carried out on closed landfill cells to optimise land use. KUB-Berjaya Enviro's business model and waste management best practices have been replicated in China where the same team and personnel responsible for the success of Bukit Tagar Sanitary Landfill is involved in a long-term concession to develop and operate a sanitary landfill for the Chinese authorities.

The Housing & Development Board (HDB) bagged the SEC-Senoko Energy Green Innovation Award for its Prefabricated Extensive Green (PEG) Roof System. The system is a simple and cost-effective greening solution which mitigates the impact of urbanisation by offering green visual relief in high-rise living environments, and reduces reflected heat and glare. Its lightweight, modular design ensures that it is highly portable and provides "instant greening" effects. Wastage is minimised as the resource-efficient system can be reused. Through careful selection of plant species, as well as an innovative design comprising built-in compartments that can contain rainwater to weather plants through dry spells of up to 21 days, minimal maintenance is required. Besides serving the plants, the PEG Roof System's water retention capabilities also help to alleviate peak flow discharge during heavy rain.

HDB's Group Director (HDB Building Research Institute), Er. Dr. Johnny Wong said: "As a responsible master planner and the largest developer in Singapore, HDB has been pursuing green initiatives and solutions to help Singapore develop in an environmentally sustainable manner. The SEC-Senoko Energy Green Innovation Award is a positive affirmation of HDB's contributions in creating a green living environment through the innovative use of technology. We will continue with our efforts in sustainable development to bring clean and green living to our residents."

The winners of the SEAA 2013 will receive their awards at the SEAA 2013 awards ceremony on 22 August 2013.

For more information about the winners, please refer to Annex A.

**** END OF MEDIA RELEASE****

Annex A – Summary of SEAA 2013 winners

Keppel Land Limited

One of Asia's premier property companies, Keppel Land is recognised for its sterling portfolio of award-winning residential developments and investment-grade commercial properties as well as highest standards of corporate governance and transparency. The Company is committed to create sustainable and optimal live-work-play environments in all its properties, celebrated for their quality, innovation and integrity.

In going green, Keppel Land adopts a proactive and holistic approach in the way it designs and develops its properties. The Company strives to improve the quality of life of communities across Asia while at the same time, positively impact the living environment. Keppel Land is a component of both the Dow Jones Sustainability Asia Pacific and World Indices 2012/13. It has also retained its position in The Sustainability Yearbook 2013 for the third consecutive years as one of the top 15% of companies worldwide in sustainability leadership.

At Keppel Land, the Company is committed to balance social responsibility with economic viability. The journey towards sustainability is a continuous one and Keppel is committed to advance their efforts towards a sustainable future for generations to come.



Caption: Keppel Land's Ocean Financial Centre at Collyer Quay, which features solar energy panels on the roof and two recycling bin chutes that serve every floor

Institute of Technical Education

Established as a post-secondary education institution, the Institute of Technical Education (ITE) provides career and technical education, and is a key developer of national occupational skills certification and standards.

ITE believes it is our responsibility as an education institution to instil in our students the importance of environmental sustainability. As such, our curriculum, student development programmes and building and development projects are guided by our Environmental Sustainability Initiatives Framework. We are pleased that this promotion of a 'green' culture is bearing fruit. Our staff and

students play active roles in using their skills to contribute to the organisation's and community's 'green' efforts. Our students are groomed to be environmental champions and have established strong industry partnerships to ensure that we continually acquire new knowledge in sustainability. As testament to our efforts, we have achieved the BCA Green Mark Platinum Award in 2012 and ISO 14000 certification.



Caption: Vertical green wall at ITE College Central Campus

KUB-Berjaya Enviro Sdn Bhd

KUB-Berjaya Enviro Sdn Bhd developed the Bukit Tagar Sanitary Landfill on a long-term concession awarded by the Government of Malaysia. It is currently the largest and most advanced engineered sanitary landfill in Malaysia.

Since commencing in April 2005, the Bukit Tagar Sanitary Landfill is receiving 2,800 tonnes of municipal solid waste daily. With 120 million metric tonnes capacity, it can provide waste management solution for Kuala Lumpur and Selangor for over 60 years.

Several pioneering and innovative technologies are adopted in Bukit Tagar as part of its holistic approach to solid waste management. These include ground-breaking innovations such as:

- Zero-discharge policy for treated effluent
- State-of-the-Art Leachate Treatment Plant
- Reed bed polishing system
- Comprehensive landfill gas management system

The landfill gas management system is a self-initiated effort, and the standards implemented far exceed the requirements imposed by the Department of Environment.

Bukit Tagar Sanitary Landfill has the distinction of operating the largest grid-connected biogas renewable energy facility under the Feed-in Tariff programme in Malaysia, in addition to having the most Certified Emission Reduction (CER) or carbon credits issued for a landfill project in South East Asia under the Clean Development Mechanism (CDM) scheme to date.



Caption for both photos above: KUB-Berjaya Enviro's Renewable Energy Centre and water retention pond

Housing & Development Board (HDB)

The Housing & Development Board (HDB) is the public housing authority in Singapore. Set up on 1 February 1960, HDB was tasked with solving the nation's housing crisis, at a time when many were living in unhygienic slums and crowded squatter settlements. Today, HDB has successfully housed about 82 percent of Singapore's 3.8 million resident population in well-designed apartments located in comprehensively planned housing estates. We strive to be a leader in research, innovation and solutions to develop sustainable towns, and to create quality homes and a pleasant living environment for all our residents. Beyond the hardware of public housing, the building of cohesive communities within its towns is also a key priority for HDB. Living environments are provided with community spaces for residents to mingle and interact, and public housing policies are formulated to foster integration among communities and maintain strong family ties. HDB has earned much international acclaim, including winning the 2010 United Nations Habitat Scroll of Honour Award, which is to-date the most prestigious human settlements award in the world. For more information, visit www.hdb.gov.sg.



Caption: Application of Prefabricated Extensive Green roof system at a multi-storey carpark

NOTES TO THE EDITOR



ABOUT THE SINGAPORE ENVIRONMENTAL ACHIEVEMENT AWARDS

SEAA was launched in 1997 by Mr Yeo Cheow Tong, Singapore's former Minister for the Environment. Presented by the Singapore Environment Council, the SEAA aims to inspire Singapore-based and regional organisations to become more committed to environmental and social responsibilities. It is the only local award that addresses overall environmental initiatives and awareness within an organisation. The criteria for the Singapore Environmental Achievement Awards focuses on assessing the leadership displayed by the company, the real environmental improvement made as well as the ability of an organisation to establish procedures, train staff and innovate in order to achieve breakthroughs in environmental performance. For more information, please click on the following link <http://www.sec.org.sg/seaa>.



ABOUT THE SINGAPORE ENVIRONMENT COUNCIL

Established in 1995, the Singapore Environment Council (SEC) is an independently managed, non-government organisation that nurtures, facilitates and co-ordinates environmental causes in Singapore. SEC's work is founded on three pillars of action – Firstly, partnership with the people, private and public sectors of Singaporean society, to nurture a culture aligned with sustainable development concepts. Secondly, SEC rewards environmental excellence through awards schemes and product endorsement programmes, such as the Singapore Green Labelling Scheme. Thirdly, the SEC collaborates with partners to develop and implement training and learning programmes to build competencies in environmental sustainability within companies, thus keeping our business leaders ahead of the curve. Visit our website at www.sec.org.sg.

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