Environment Sustainability Conference
“Building towards a Sustainable Environment”

28 October 2013, Monday
8.30am - 5.00pm
PARKROYAL on Pickering, Level 2, William Pickering Ballroom
3 Upper Pickering Street, Singapore 058289

Guest-of-Honour
Mr Lee Yi Shyan
Senior Minister of State for National Development and Trade and Industry

Introduction:
Building and construction is still one of the main contributors of noise, wastage and environmental pollution. It also consumes a lot of the world’s limited natural resources. The building and construction activities will continue to play a pivotal role to meet the demand of a growing global population which place increased pressure on the natural resources. The industry should therefore change the way of working and to pool together their resources and expertise and assume a larger role to minimize the negative environmental impact associated with the industry in order to build towards a sustainable environment.

The Singapore Contractors Association and SCAL Academy is pleased to organize a One day Conference with the theme “Building towards a Sustainable Environment”. It will highlight on the Future of Singapore Green Building Journey, Sustainable Construction Initiatives, Incentives and Practices including a case study by fellow contractor on constructing a Green Mark Building. The conference will end with a visit to the green features of PARKROYAL on Pickering, the Recipient of 2012 Green Mark Platinum Award. The iconic PARKROYAL on Pickering adopts a hotel-in-a-garden concept and incorporates energy-saving features throughout the property.

Objective:
To Promote Awareness and Encourage Contractors and Industry Players to go for Sustainable Construction to Minimise Environment Impacts and Increasing Economic Sustainability of the Project.

Pending Accreditations
BOA-SIA - 7 Units
PDUs - 7 Units
CET - 7 Hours

Target Audience: All Construction Practitioners
## SCAL Environment Sustainability Conference

### 28 October 2013

### Conference Outline

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<th>Time</th>
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<tr>
<td>8.30am</td>
<td>Registration</td>
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<tr>
<td>9.05am</td>
<td>Welcome Speech by Dr Ho Nyok Yong, President, SCAL</td>
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<tr>
<td>9.15am</td>
<td>Keynote Speech by Guest of Honour, Mr Lee Yi Shyan, Senior Minister of State for National Development and Trade and Industry</td>
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<tr>
<td>9.30am</td>
<td>The Future of Singapore’s Green Building Journey through BCA’s 3rd Green Building Masterplan</td>
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<tr>
<td></td>
<td>by Ms Leong-Kok Su Ming, Director, Green Mark Department (New Development), Building &amp; Construction Authority</td>
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<tr>
<td>10.00am</td>
<td>Sustainable Construction Materials (Green Material) – What is the International Trend which will affect locally</td>
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<td>by Dr. Kua Harn Wei, Assistant Professor, Department of Building, School of Design and Environment, National University of Singapore</td>
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<tr>
<td>10.30am</td>
<td>Tea Break</td>
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<tr>
<td>11.00am</td>
<td>Bolts and Nuts of Sustainable Construction</td>
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<tr>
<td></td>
<td>by Mr Low Giau Leong, Executive Manager, Centre for Sustainable Buildings &amp; Construction, Building &amp; Construction Authority</td>
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<tr>
<td>11.30am</td>
<td>Green/ Sustainable Construction Practices- Green and Gracious Builders Award (GGBA) recipients to share good site practices</td>
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<tr>
<td></td>
<td>by Mr Tan Soon Hong, Project Manager, Kajima Overseas Asia Pte Ltd</td>
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<tr>
<td>12.00pm</td>
<td>Question &amp; Answer</td>
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<td>12.30pm</td>
<td>Lunch</td>
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<tr>
<td>1.30pm</td>
<td>Green Demolition Practices - Good Demolition Practices to Recover and Reuse Building Materials</td>
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<td>by Mr Tommy Lim, Managing Director, Ginlee Construction Pte Ltd</td>
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<td>2.00pm</td>
<td>Case Study by Contractors on Constructing a Green Mark Building</td>
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<tr>
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<td>by Mr Ong Eng Hwa, Senior Project Manager, Tiong Seng Contractors Pte Ltd</td>
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<tr>
<td>2.30pm</td>
<td>Question &amp; Answer</td>
</tr>
<tr>
<td>3.00pm</td>
<td>Tea Break</td>
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<tr>
<td>3.30pm</td>
<td>Guided Tour of PARKROYAL on Pickering Green Features (To be confirmed)</td>
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<td>5.00pm</td>
<td>End</td>
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Topics

The Future of Singapore’s Green Building Journey through BCA’s 3rd Green Building Masterplan

Featuring the 3rd Green Building Masterplan, an important roadmap that will chart new directions to shape a sustainable built environment in Singapore in the next five to ten years. The industry can look forward to a closer partnership between the private, public and institutions to achieve the national target - to green at least 80% of the buildings in Singapore by 2030.

Sustainable Construction Materials (Green Material) – What is the International Trend which will affect locally

“What are some of the emerging green building materials? How do we know whether they are truly sustainable? This talk will focus on some of the green materials that will help reduce the energy consumption of a building as well as state-of-art method of ascertaining the sustainability of these materials from the lifecycle perspective.”

Bolts and Nuts of Sustainable Construction

The presentation will cover some updates of BCA’s sustainable construction (SC) initiatives and the concepts with emphasis on the design process. To better illustrate these concepts, the presentation will also share some good industry practices, highlight potential areas for applied research and development as well as the funding sources to convert industrial wastes into useful building and construction materials.

Green Demolition Practices – Good Demolition Practices to Recover and Reuse Building Materials

Demolition is a messy undertaking, the process requiring heavy machinery, produce substantial amount of dust/debris and generate noise; all variables where if not controlled would prove very frustrating to both the demolition team and the people populating adjacent areas where demolition works are being done. Ginlee Construction prides itself in having attained a degree of specialization in this field where all these variables have been and continue to be addressed in order to provide the most optimal way in which the demolition operation could and should be executed. This presentation shall be highlighting of the services and track records, provide illustrative examples of actual projects where process, safety and environmental issues have been encountered and adjustments made in methods and sequence of operations works. And what the future holds for this specialised line of activity.

Speakers

Ms Leong-Kok Su Ming

Su-Ming is the Director, Green Mark (New Development), Building & Construction Authority, Singapore. She oversees the formulation and administration of the Environmental Sustainability Legislation as well as green building standards through measures under the Green Mark Scheme; to shape a sustainable built environment. Su-Ming leads a team to carry out Green Mark certification for new building projects as well as the certification of qualified Green Mark Professionals and Managers.

Dr Kua Harn Wei

Dr. Kua Harn Wei is the Deputy Head of Department (Research) of the Department of Built Environment, School of Design & Environment, NUS. His research interest is in integrated sustainability policies for promoting sustainable structural building materials and energy efficiency (especially in embodied energy and plug load). He has his doctoral degree from the Massachusetts Institute of Technology and is frequently invited to deliver talks on sustainable development and green buildings around the world.

Mr Low Giau Leong

Mr Low Giau Leong graduated from NTU with a Degree in Civil Engineering. He has worked in various research projects, including purpose-made cements and concrete, concrete recycling, waste water reclamation and wood waste recycling for the past 15 years. He was involved in the Samwon Eco-green building research/test-bedding project which studied the use of varying percentages of Recycled Concrete Aggregate (RCA) in structural elements of the building. The building is probably the first in the region to be constructed using up to 100% RCA.

Mr Tan Soon Hong

Soon Hong graduated with a Bachelor of Civil Engineering from University Technology of Malaysia. After graduation, he joined Taisei Corporation, Malaysia in 1993 and in 1995, he joined Kajima Overseas Asia Pte Ltd. Since then, he has 18 years of construction experience in many residential and commercial building projects.

Mr Tommy Lim

Tommy Lim has been active in the Construction industry since 1981. He is the Managing Director of Ginlee Construction Pte Ltd; Specialists in Controlled Demolition works. He founded the company in 1993; and teamed up with partners Lee Soon Huat, Tan Lye Huat and Low Goh Hong in 2004. Over the span of nearly 20 years under Mr Lim’s guidance, and calling on his substantial technical experience and strategic vision, the company has acquired some high profile projects including extensions of Raffles City, Novena Square, NTU Bukit Timah Campus, Meritus Mandarin, MRT Projects, Singapore Changi Airport Terminals, Victoria Theatre and Concert Hall, Suntec City; projects in Bangkok and Sri Lanka; among others. He is ably supported by a highly capable and skilled operations team. Consequently, these paved the way to the company’s success in the special field of controlled demolition. Mr Lim, a firm advocate of both hard work and team work also constantly seeks ways to evolve and innovate to ensure that company demolition processes continue to be both efficient and sustainable.

Case Study by Contractors on Constructing a Green Mark Building by Mr Ong Eng Hwa, Senior Project Manager, Tiong Seng Contractors Pte Ltd

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The Singapore Contractors Association Ltd
SCAL Academy Pte Ltd

SCAL Environment Sustainability Conference 28 October 2013

Conference Registration Form

Please complete the Registration Form and send the Completed form by E-mail or Fax to SCAL Academy before 21 October 2013. For further enquiries, please do not hesitate to contact:

Miss Tan Wei Xuan | Tel: 6793 9020 | Fax: 6795 2584 / 6793 4401 | Email: weixuan@scal.com.sg

Participants Information (Please Type or Write Clearly in Capital Letters)

Name (Prof/Dr/Mr/Mrs/Miss/Mdm) : _______________________________ NRIC/WP/FIN _____________________

Name (Prof/Dr/Mr/Mrs/Miss/Mdm) : _______________________________ NRIC/WP/FIN _____________________

Name (Prof/Dr/Mr/Mrs/Miss/Mdm) : _______________________________ NRIC/WP/FIN _____________________

Organisation / Institution: _______________________________ _______________________________

Address: ____________________________________________________________

Contact Person: _______________________________ Tel: (Office) __________ (Mobile) __________

Fax: _______________________________ Email: _______________________________

Conference Registration Fees (Please tick the appropriate box)

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<tr>
<th>SCAL/SLOTS Member</th>
<th>$107.00</th>
<th>Non-Member</th>
<th>$214.00</th>
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<tbody>
<tr>
<td>CUC Member</td>
<td>$181.90</td>
<td>Student</td>
<td>$53.50</td>
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Note: All rates quoted in Singapore Dollars (SGD). The registration fees include of 7% GST, Conference Materials, Tea Break and Lunch.

Payment

By crossed cheque made payable to “SCAL Academy Pte Ltd” and send to SCAL Academy @ No 5 Jurong West Avenue 5, Singapore 649485. Please indicate for “Environment Sustainability Conference” behind the cheque.

Terms and Conditions

1) Written Notice of Replacement or Withdrawal must be given at least 7 Days before the Conference date with a penalty charge of 50% of the Conference Registration Fees for withdrawal. For Any Replacement, $50 will be charged per Participant Replacement.
2) There will not be any Refund or Credit on Fee Paid.
3) Speakers, Topics and Venue are correct at the time of Printing. SCAL reserve the right to substitute any of the Speakers, Cancel or Change the Content, Venue and Timing of the Conference.

Name / Authorized Signature / Designation _______________________________ Company Stamp (if applicable) _______________________________ Date _______________________________

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