

**Energy Efficiency Committee Meeting
9 September 2016, 3.00pm**

**SEAS Training Centre
9 Penang Road, #08-02 Parkmall, Singapore 238459**

Minutes

No	Name	Company	Signature
1	Vincent Low	G-Energy Global Pte Ltd	Present
2	Ronnie Tan	APP Systems Services Pte Ltd	AWA
3	Eddie Tan	Bosch Software Innovations	AWA
4	Catherine Tunguia	Cushman & Wakefield	Present
5	Ng Koon Siang	Cushman & Wakefield	AWA
6	Laurence Kwan	Diamond Energy Corporation Pte Ltd	AWA
7	Etienne Drouet	ENGIE Lab Singapore Pte Ltd	Present
8	Lee Bo Han	KPMG Services Pte. Ltd.	Present
9	Colin koh	LKH Precicon Pte Ltd	Present
10	Gopal Parikh	NEC Asia Pacific Pte. Ltd.	Present
11	Ken Nakasugi	Opto Precision (APP Systems is Parent Company)	Present
12	Quek Yang Thee	Republic Polytechnic	Present
13	Gordon Falconer	Schneider Electric	Present
14	Chris Crawley	SkyCool	Present
15	Ignatius Hwang	Squire Patton Boggs Singapore LLP	AWA
16	Diana Sherin Gomez	Strebl Energy Pte Ltd	AWA
17	Bentinck Ng	Sustainable Development Capital (Singapore) Pte Ltd	Present

No	Name	Company	Signature
18	Adrian Bukmanis	Teale Asia	AWA
19	Kuet Ee Yoon	TMPPA Pte Ltd	Present
20	Win Naing Aung	WNA Control Pte Ltd	Present
21	Gerard Gavin	World BioHazTec	AWA

Description	Action By
<p>1. Minutes of the Last Meeting</p> <p>Chairman, Vincent Low (VL) welcomed everyone and all attendees were invited to introduce themselves. Minutes of the last meeting were approved and accepted.</p>	
<p>2. Presentation on SMART Cities and IoT by Mr Gordon Falconer, Director, Smart Cities, Schneider Electric Singapore</p> <p>Presentation slides as attached. Mr Falconer suggested reading an article “The Cloud Begins with Coal”.</p>	
<p>3. Update by Chairman</p> <p>The Chairman updated the meeting on the Revised Green Mark Criteria for New Non-Residential Buildings (GM NRB:2015) that came into effect on 1 December 2016.</p> <p>Summary of the requirements are as follows:</p> <ul style="list-style-type: none"> All new non-residential building projects with Green Mark applications submitted on and after the effective date will be assessed and certified based on GM NRB 2015 Projects submitted before the effective date are given a grace period of 12 months from the effective date to be assessed based on Green Mark v4.1 for new non-residential buildings. <p>Should the assessment of any project be incomplete by the end of the grace period, the project will then be assessed and certified based on the revised GM NRB:2015 instead</p> <p>He also updated that the requirements and calculators are now up on the BCA website via the links below.</p> <ul style="list-style-type: none"> BCA Green Mark NRB:2015 Technical Guide and Requirements (https://www.bca.gov.sg/GreenMark/green_mark_criteria.html) BCA Carbon Calculator (https://www.bca.gov.sg/CarbonCalculator/Index.aspx?ReturnUrl=%2fCarbonCalculator) BCA Energy Calculator (https://www.bca.gov.sg/GreenMark/green_mark_criteria.html) 	

4. Update by Secretariat

Business Development

i. SCEM Networking

KG updated the meeting that SEAS has been organising SCEM Networking sessions for the SEAS SCEM alumnus to share ideas and experiences. The next SCEM Networking Session is proposed to be on 4th November 2016. Members who are keen to participate are invited to contact SEAS Secretariat.

Certified Energy Manager course looks at energy performance and at industries that consumes more than 15gw. The government is looking at reducing the consumption and into expanding to the different industries.

ii. Business Missions and Trade Fairs

KG updated on the BD activities of SEAS. She highlighted to the meeting on the various trade and business mission that SEAS is planning for 2016 and 2017 and invited members to suggest and recommend shows/countries for SEAS to look into organising business missions and trade fairs.

iii. White Paper

KG updated that SEAS had recently launched a white paper "Creating a level playing field for electric mobility in Singapore" and it is now downloadable for SEAS website via the link SEAS Resources

Training

i. Sustainable Energy Development Programme

KG updated that as per discussions during our last EE meeting, SEAS has scheduled the SEAS-NTUC programme "Sustainable Energy Development Programme" this year. However, take-up for this programme is rather slow and we are now looking at condensing the contact hours to 2.5 days instead of the 5+1 days scheduled (1 day of learning journey). SEAS / NTUC is targeting those wanting to upgrade themselves to know more about this sector.

As the economy is currently slowing down, those enquiring about the course are looking for a job opportunity (after finishing these programme). Expectations need to be managed.

Mr Kuet from TMPPA suggested that SEAS looks into identifying the jobs available and sectors to train before deciding on developing the programme.

ii. New Training Programmes

KG mentioned that SEAS is looking at developing training course such as training that combines Labs / EE and Consultancy Collaborations and Systems of Systems Engineering. SEAS will update the members once the details are confirmed.

<p>iii. Regional Training and Conference</p> <ul style="list-style-type: none"> • Asia Clean Energy Summit – Conference & Exhibition (ACES) <p>AZ updated on the Asia Clean Energy Conference taking place on 25-27 Oct 2016 at the Sands Expo & Convention Centre, MBS. A new track that may be of interest to our EE members is The Digital World and the Future of Energy. Members are encouraged to join and register for ACES on the website www.asiacleanenergysummit.com</p> <p>We are also for the first time having an exhibition at ACES. We will be welcoming 40+ European companies and will be arranging B2B meetings. Members are welcome to book these meetings via the website.</p> <ul style="list-style-type: none"> • Sustainable Energy Centre of Excellence (SECOE) <p>AZ updated that the next SECOE programme will be on Asia Regulatory Forum on 24-28 Oct 2016 followed by Energy Access Workshop on 5-9 Dec 2016. Members with the specific knowledge in these areas can reach out to AZ azlyn@seas.org.sg.</p>	
<p>5. Any other matter</p> <p>Next meeting date will be advised.</p> <p>As there were no other matters, the meeting was closed.</p>	

Recorded by : Nor Azlyn Supingi
Vetted by : Kavita Gandhi
Approved by : Vincent Low