

**Energy Efficiency Committee Meeting  
28th June 2022**

3.00pm – 5.00pm

**SEAS Office @ Sky Park  
180 Kitchener Road, #06-10 City Square Mall, Singapore 208539**

Minutes

No	Name	Company	Signature
1	Vincent Low	G-Energy Global Pte Ltd	Present
2	Naveen Selvan	ABS Group	Present
3	Shiva Subramanian	AGC Asia Pacific Pte Ltd	Present
4	Wilson Lourdu Xavier Singarayar	Barghest Building Performance Pte Ltd	Present
5	Venu Kumar Challa	Barghest Building Performance Pte Ltd	AWA
6	Elodie HECQ	BeeBryte	Present
7	Joseph Hong	Building and Construction Authority	Present
8	Eng Yew Yeoh	Business Dev and Innovation	AWA
9	Venice Pua	BVAQ Singapore Pte Ltd	AWA
10	Mohamed Haja Guthupudeen	C & W Services (S) Pte Ltd	AWA
11	Lian-Gee (LG) Chua	DNV Singapore Pte Ltd	Present
12	Yeen Yee Chee	Energetix Pte Ltd	AWA
13	Joseph Tan	Energreen Technologies Pte Ltd	Present
14	Colin Koh	LKH Precicon Pte Ltd	Present

No	Name	Company	Signature
15	Lekha Patmanathan	Nexergy Pte Ltd	Present
16	Weixin Jin	Ngee Ann Polytechnic	AWA
17	Karthikeyan Balasubramanian	Northmore Gordon Pte Ltd	Present
18	Kendy Siew	Ollmaster Pte Ltd	Present
19	Chin Chien Chua	Robert Bosch (SEA) Pte Ltd	Present
20	Kelvin Ong	Schneider Electric Singapore Pte Ltd	AWA
21	Shaobo Wang	Simagchem Asia Pte Ltd	Present
22	Aung Myat	Singapore Institute of Technology (SIT)	Present
23	Jason Teoh	Sobono Pte Ltd	Present
24	Peter Lau	Sustainable Development Capital (Asia) Limited	AWA
25	Srinivasan Sivaraman	TIPL	Present
26	Hafizuddin Haslir	TUV SUD PSB Pte Ltd	Present
27	Adrian Bukmanis	Veridien Refrigerant Management (VRM)	AWA
29	Kian Beng Low	Zero-Energy Habitat Pte. Ltd.	Present

Description	Action By
<p><b>1. Opening by Chairman (VL)</b></p> <p>Chairman Vincent Low (VL) welcomed all to the meeting and proceeded to approve the last meeting minutes after asking members if there are any amendments to the last meeting minutes. Minutes were approved.</p>	
<p><b>2. New Members Presentation</b></p> <p>Mr Naveen Selvam, Business Development Manager of ABS Consulting (S) Pte Ltd shared an overview about his company and their focus areas, as well as the solutions provided by the company.</p>	
<p><b>3. Presentation by Building and Construction Authority (BCA)</b></p> <p>Mr. Joseph Hong, Senior Manager of Building and Construction Authority (BCA) shared the revised codes on environmental sustainability for new and existing buildings. Mr Hong also shared on the background on regulatory requirements in relation to Minimum Environmental Sustainability (ES) Standard, the revised compliance framework and the key changes to the codes for Environmental Sustainability of Buildings.</p> <p><u>Goal for 2030</u></p> <p>He shared that the current compliance framework is modelled largely based on green mark scheme to drive sustainable development and carbon emission reduction. As there are technologies and systems readily available, the goal is to be 80% green by 2030 would be implemented and he shared that we are halfway there.</p> <p><u>EE Standard for New and Existing buildings</u></p> <p>Mr Hong shared that the EE standard is raised to 50% for new buildings and 40% for existing buildings from 2005 code level to accelerate carbon emission reduction. He added on that as regulators like JTC are already regulating the existing buildings, they need not follow BCA to prevent double regulation. He also shared that while the code is compulsory, it sets only the minimum requirement, while the green mark scheme which is an option, sets higher requirement as a guide for Singapore companies.</p> <p><u>Heating systems</u></p> <p>When asked on whether heating systems are included in the Total System Standard, Mr Hong shared that heating systems would be covered under the Green Mark scheme as they are not as crucial as the others, e.g Air-Conditioning Systems since not all buildings use heating systems.</p> <p><u>Grant Support</u></p> <p>Mr Hong shared on the Green Mark Incentive for Existing Buildings (GMIS-EB) 2.0 which the government has SGD 63 Million incentive for private building owners to retrofit their buildings to</p>	

<p>achieve higher energy efficiency and building performance to minimally meet the specific Green Mark KPI and will be further announced in September 2022.</p> <p>Moving forward, all Government Land Sales Sites (GLS) must adopt Green Mark certification in new and existing sites to be granted TOP/CSC.</p> <p>Mr Hong concluded the end of his presentation and opened the floor to the members, and also shared that the information on the new regulations could be found at BCA website. Members can refer to the slides shared by the Secretariat for the website links.</p>	
<p><b>4. Updates by Chairman</b></p> <p>Chairman Vincent Low shared the response from the previous survey conducted on forming a small business consortium. As SEAS members are mainly service and solutions providers, they do not have any inputs for the SS Standards (SS 530:2014). Through the survey, members have also voiced out interest to be part of the consortium. Chairman suggested to have a more detailed discussion on the consortium in the next meeting.</p> <p>(Members can refer to Annex 1 on the survey results.)</p>	<p>SEAS Secretariat to reach out to those who have indicated interest.</p>
<p><b>5. Update by Secretariat</b></p> <p>Kavita Gandhi (KG) shared on the updates on activities that has happened within SEAS from January to May 2022.</p>	
<p><b>6. Any other matter</b></p> <p>The next EE committee meeting will be on 4 October 2022 and the meeting was closed by the Chairman.</p>	

Recorded by : Nor Asyiqin

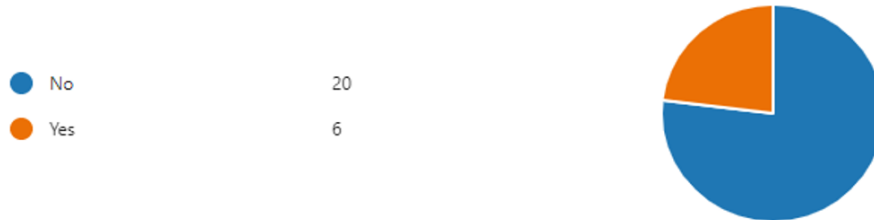
Vetted by : Kavita Gandhi

Approved by : Vincent Low

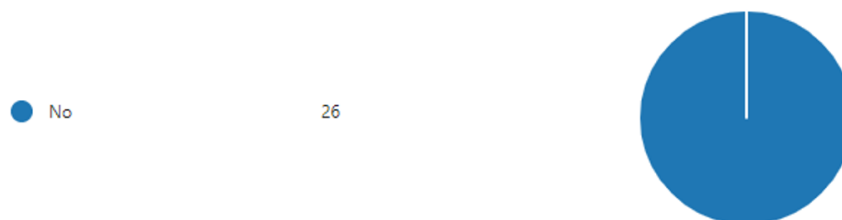
## Annex 1

### Survey on Small Business Consortium

Are you a supplier of ACMV, Chillers, VRF standards, Water Boilers, Heaters, Motors (such as IE4/IE5), Facade Lighting, and transformers equipment?



If you answered yes to the above, do you have any inputs for SS 530:2014?



Would you be keen to participate in a Small Business Consortium?  
(There are regular requests from SME's for expertise on Energy Efficiency solutions technologies as well as for clean energy options. The Chair would like to propose a consortium for speedy response to such companies that reach out to SEAS)

● No	4
● Yes	13
● Maybe	9

