

**Energy Efficiency Committee Meeting
24th February 2022**

Meeting via Zoom

Minutes

No	Name	Company	Signature
1	Vincent Low (VL)	G-Energy Global Pte Ltd	Present
2	Denise Ho	3DOM Singapore	Present
3	Kenneth Lim	3DOM Singapore	Present
4	Garry Tay	3DOM Singapore	Present
5	Vijay Sirse	Ampyr Energy Solutions Pte Ltd	Present
6	Sandra Seah	Bird & Bird ATMD LLP	Present
7	Xander Pierik	Borouge Pte Ltd	Present
8	Joseph Tan	Energreen Technologies Pte Ltd	Present
9	Patrick O'Shea	England & Company	Present
10	Abhishek Kaul	IBM Pte Ltd	Present
11	Krishan Kumar Ralhan	Kaltimex Group	Present
12	Pedro Esteban	Merus Power APAC	Present
13	Weixin Jin	Ngee Ann Polytechnic	Present
14	Jan Yeo	Nippon Koei	Present
15	ihab seidy	Power Potentials	Present
16	Nilesh Jadhav (NJ)	Qi Square Pte Ltd	Present
17	Aung Myat	Singapore Institute of Technology	Present
18	Veronika Shabunko	Solar Energy Research Institute of Singapore	Present
19	Clement Teo	TUV SUD PSB Pte Ltd	Present

Description	Action By
<p>1. Opening by Chairperson (VL)</p> <p>Mr. Vincent Low (VL) welcomed all to the meeting and invited members to introduce themselves.</p> <p>This meeting was hosted online via Zoom.</p>	
<p>2. New Members Presentation</p> <p>Mr. Xander Pierik, Application Marketing Manager of Borouge Asia shared about his company with the members.</p> <p>Bourouge is a provider of innovative, value creating polyolefins plastics solutions that focuses on pipe & energy infrastructure, advanced packaging and automotive markets for the Middle East & Africa, Asia-Pacific and Indian sub-continent markets. In the area of energy, they focus on cables, energy storage solutions and the development of materials for photovoltaic solar systems.</p>	
<p>3. Digital Built Environment Ecosystem, BtrLyf</p> <p>Mr. Nilesh Jadhav (NJ), CEO and Founder of BtrLyf presented on the products and services of BtrLyf. Btr Lyf is a digital solution with a suite of energy management and assessment tools – Enhanced Digital Green Assessor (EDGAR) and IES Virtual Environment (IESVE).</p> <p>The tools allow users to perform a digital print of energy/ carbon usage of buildings, analysis, technology feasibility and financial analysis for sites.</p> <p>This can be used to gather data rapidly, for baseline analysis and performance simulation. This provides users for inputs on costing, payback on projects. Users may further expand on the reports to run simulations on improving energy efficiency.</p> <p>This and is one of three energy efficiency projects currently funded at 80% by the IMDA as part of the Resilience Budget 2020. Under this grant, Btr Lyf offers two product packages, which offers a one-year access to the tools. Package one consists of EDGAR which focuses on a big picture view for building project costing. The second package consist of EDGAR and IESVE and would be useful to show energy consumption for Green Mark Submission to BCA.</p> <p>NJ shared on the eligibility criteria and that QI Square would help interested parties with their applications.</p>	

<p>4. Inputs for updates to SS 530:2014</p> <p>VL invited SEAS Members to collaborate on the update of Energy Efficiency Standards SS 530: 2014. The current standard propagates the standards that consultants must adhere or be more efficient than the COP standards in their solutioning.</p> <p>The standards which are in-scope for review include ACMV, Chillers, VRF standards, Water Boilers, Heaters, Motors (such as IE4/IE5), Facade Lighting, and transformers.</p> <p>Members who are specialists in this area may contact him through SEAS to give their feedback. VL added that the standards may be updated by end 2022.</p>	
<p>5. Update by Secretariat</p> <p>AZ shared on the activities organised by the SEAS Secretariat for 2021.</p> <p>In line with the direction on COP 26, SEAS has formed more working committees –Carbon, Electric Mobility and Hydrogen. SEAS Members are free to join and contribute to any of the working committees.</p> <p>SEAS will focus on organising more expert series and roundtables such as the joint roundtable with ALIA to connect members with the lubricant industry on 22 Feb 2022.</p> <p>With the focus on digital marketing traction, SEAS would be sharing member interviews via social media and encourage members to reach out to secretariat if they would like to participate in this.</p> <p>She shared on the training focus and module development as well as iPitch, a SESUN initiative to connect start-ups with investors. SEAS is in the midst of organising ACES, our flagship event which saw 3 ministers’ participation in 2021. Members who are interested to participate, sponsor, exhibit are invited to reach out for more info on ACES 2022.</p>	
<p>6. Any other matter</p> <p>6.1 VL proposed the formation of small consortiums/ working teams focused on member collaboration and increase in business leads. Those interested to be part of this mini working teams can indicate their interest to SEAS.</p> <p>6.2 Mr lhad proposed that SEAS approach governmental bodies (eg MOE) and propose solutions on energy efficiency initiatives. VL suggested roundtable format and it can be discussed further in next meeting.</p> <p>6.3 Next EE committee meeting will be on 28 Jun 2022 and AGM to be held on 26 May 2022.</p>	

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