MEDIA RELEASE

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Youth Contributions Recognised for First Time at Singapore Energy Award

The four winners receiving the Singapore Energy Award from the Minister for Trade and Industry Chan Chun Sing this year are:

i.   Youth category: Mr Chen Chiu-Hao Ted
ii. Innovation category: Professor Subodh Mhaisalkar
iii. Capabilities Development: Singapore Institute of Technology (SIT)
iv. Contributions to the Energy Sector: Union of Power and Gas Employees (UPAGE)

2. The inaugural winner of the Youth category of the SEA is Mr Chen Chiu-Hao Ted, Co-Founder and Chief Product Architect of EverComm Singapore, which was set up in 2013 with help from a grant awarded by the Energy Market Authority (EMA) to the Nanyang Technological University (NTU). Since co-founding Evercomm at the young age of 23, Mr Chen has transformed the company from a start-up into one of Singapore's leading energy management companies in the energy Internet of Things (IoT) sphere. To date, EverComm's energy analytics products have delivered more than US$3.4 million in energy savings for its clients, and attracted R&D collaboration and partnership from top international enterprises General Electric and TATA Consulting Services.

3. Upon receiving his award, Mr Chen said: "I am humbled and beyond grateful to Singapore's energy sector and to EMA. It gave me - an inexperienced youth - a rare opportunity to work on one of the grand challenges of the 21st century. That is how to help companies save energy and be more environmentally friendly. Through this, I am confident we can make the transition to smarter and more efficient use of energy. I would also like to call on my fellow youths to join me and others, on the journey to developing a sustainable future for Singapore."

4. The winner of the SEA for Innovation, Professor Subodh Mhaisalkar is an Executive Director at the Energy Research Institute @ Nanyang Technological University (ERI@N). He has built ERI@N into a leader in academic research and developing a community of energy researchers in Singapore. Professor Subodh has also pushed innovation boundaries by spearheading EcoCampus, a research, design and development programme. Through this programme ERI@N facilitated testbedding of innovative technologies to reduce energy, water and waste intensity at the NTU campus and neighbouring CleanTech Park.

5. SIT was presented with the SEA for Capabilities Development for its pioneering role in leading manpower development in power engineering. In 2013, it was the first local institution of higher learning to offer a dedicated Electrical Power Engineering undergraduate degree, which has helped groom talent for the sector.

6.   Beyond its curriculum, SIT has been at the forefront of seeking innovative solutions to enhance its relevance to the energy sector. This can be seen in its ongoing collaboration with SP Group to develop Singapore's first experimental urban multi-energy micro-grid for education and research at its future centralised campus in Punggol.

7.   UPAGE was given the SEA for Contributions to the Energy Sector for its instrumental role in the energy sector's workforce transformation. In the face of emerging technologies and digitalisation, UPAGE has collaborated with training institutions such as the Singapore Institute of Power and Gas, Employment and Employability Institute and NTUC LearningHub to develop courses with new and specialised digital skills. UPAGE's efforts in championing skills upgrading has helped keep the power sector's workforce productive and relevant. (More information on this year's SEA recipients can be found in the Annex).

8.   Mr Ngiam Shih Chun, Chief Executive of the Energy Market Authority, said: "This year's Singapore Energy Award winners reflect the vibrancy in our energy ecosystem, even as we undergo a transformation towards smarter and cleaner use of energy. These award winners have shown that both individuals and organisations can make a difference in keeping our energy sector innovative and forward-looking."

9.   The biennial SEA recognises outstanding contributions to Singapore's energy sector in the areas of capabilities development and innovation. The next SEA will be held in 2021. Nomination will open in the second half of 2020.

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About the Energy Market Authority

The Energy Market Authority is a statutory board under the Ministry of Trade and Industry. Our main goals are to ensure a reliable and secure energy supply, promote effective competition in the energy market and develop a dynamic energy sector in Singapore. Through our work, the EMA seeks to forge a progressive energy landscape for sustained growth.

Website: www.ema.gov.sg | Follow us: facebook.com/EnergyMarketAuthority or twitter.com/EMA_sg

AWARD CATEGORIES, ASSESSMENT CRITERIA AND ASSESSMENT PROCESS

Award Categories	• **[NEW] Singapore Energy Award for Youth** - Recognises outstanding **youths** (35 years and below) for their overall contributions to Singapore's energy sector. • **Singapore Energy Award for Innovation** - Recognises outstanding **individuals** for their specific and sustained contributions to drive technological and business innovations in Singapore's energy sector. • **Singapore Energy Award for Capabilities Development -** Recognises outstanding **organisations** that have demonstrated strong and sustained efforts in nurturing a competitive, Singaporean-core workforce with the relevant skill sets for Singapore's energy sector. • **Singapore Energy Award for Contributions to the Energy Sector** - Recognises outstanding **individuals or organisations** for their overall contributions to Singapore's energy sector. The SEA welcomes nominations from public and private sector organisations/companies; educational/research/training institutions; and individuals (e.g. entrepreneurs and professionals from the energy sector).
Assessment Criteria	• **Establishing benchmarks and/or models** in growing relevant talent pool and/or enabling research translation; • **Exhibiting outstanding leadership and governance** in driving manpower efforts and enabling research translation that benefits Singapore's energy landscape; • **Sharing knowledge** that benefits industry stakeholders and/or wider society; and • **Demonstrating successful implementation,** taking into account scalability and sustainability of manpower initiative(s)/research outcome(s).
Assessment Process	All nominations are subject to a rigorous selection process culminating in the selection of award recipients(s) by a Judging Panel, which comprises a carefully considered selection of representatives across various disciplines.

SEA 2019 AWARD WINNERS

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<td><u>**Singapore Energy Award for Youth**</u>
Award Winner: Mr Chen Chiu-Hao Ted, Co-Founder and Chief Product Architect of energy start-up EverComm Singapore

Mr Chen, 29 years old, graduated with a degree in Electrical & Electronic Engineering, specialising in Power System and Renewable Energy, from Nanyang Technological University. He was recognised for his visionary and entrepreneurial leadership of EverComm Singapore since co-founding the company in 2013. The company has grown from a three-person start-up, into one of the fastest-growing energy companies in the region today, with a current valuation of S$30 million.</td>
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Key Achievements

- **Instrumental in growing EverComm from a young start-up to an established and recognised company,** particularly in the energy Internet of Things (IoT) sphere, for implementing AI-driven energy management solutions in Singapore and the region.
- **Contributed actively to Singapore's Smart Nation drive,** with its IoT expertise in smart grids, smart multi-energy systems and electronics.
- Attracted top enterprises such as General Electric and TATA Consulting Services **to develop new energy analytics products** to quantify and deliver energy savings.

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<td><u>**Singapore Energy Award for Innovation**</u>
Award Winner: Professor Subodh Mhaisalkar, Executive Director, Energy Research Institute @ NTU (ERI@N)

Professor Subodh Mhaisalkar was recognised for building the Energy Research Institute @ NTU (ERI@N) into a leader in academic research, and also for developing a community of energy researchers in Singapore.</td>
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Key Achievements

- **Pioneering efforts in establishing an innovative end-to-end model for energy research in Singapore,** creating a technology pipeline in basic and applied research, and also in technology transfer to industry, via ERI@N.
- **Pushed innovation boundaries and facilitated translation of research into real applications** in emerging research areas, such as Smart Multi-Energy Systems (SMES).
- **Built a community of energy researchers in Singapore** comprising 150 alumnus and 250 current researchers, and established over 80 local and international research partnerships.

	Singapore Energy Award for Capabilities Development **Award Winner: Singapore Institute of Technology (SIT)** SIT was lauded for leading the development of power engineering capabilities, as well as its foresight in developing its campus into a living laboratory for education and research.

Key Achievements

- **First local Institute of Higher Learning (IHL)** to offer a dedicated Electrical Power Engineering undergraduate degree, which started in 2013.
- **Forward-looking efforts** in developing its future centralised campus in Punggol into Singapore's first experimental urban multi-energy micro-grid in collaboration with SP Group, to develop local research capabilities.
- **Actively involved in developing technologically innovative solutions through partnerships with multiple stakeholders.** This includes working with EMA on the Exploiting Distributed Generation (EDGE) programme to build capabilities in distributed energy technologies,in preparation for an increasingly decentralised energy landscape.

	Singapore Energy Award for Contributions to the Energy Sector **Award Winner: Union of Power and Gas Employees (UPAGE)** UPAGE was honoured for playing an instrumental role in the energy sector's transformation, and also for ensuring the continued productivity and relevance of the sector's workforce capabilities.

Key Achievements

- **Crucial role in helping to build and facilitate strong tripartite relations** between the workforce, the industry and the government, particularly during sectoral restructuring.
- **Instrumental in promoting skills upgrading** in the energy industry, by working closely with government and industry on capabilities building and fostering harmonious industrial relations.
- **Worked with various stakeholders to ensure that the workforce remains productive and relevant,** especially in the face of emerging technologies and digitalisation.