

MEDIA RELEASE

16 October 2020

Three School Teams Emerge Winners for Inaugural Singapore Energy Grand Challenge (Youth) 2020

Teams from Raffles Girls' School (Secondary), Bedok Green Secondary School and St Hilda's Secondary School have been crowned the top three winners of the inaugural Singapore Energy Grand Challenge (Youth) – (SEGC (Youth)). The winning teams were unveiled at a virtual award ceremony with Minister of State for Trade and Industry & Ministry of Culture, Community and Youth Low Yen Ling in attendance.

2 The Energy Market Authority (EMA) launched the SEGC (Youth) in March 2020, inviting secondary school students to co-create Singapore's Energy Story with the question "How would your energy efficient school or neighbourhood in Singapore look like in 2050?". 92 teams across 29 secondary schools took part in the challenge, using Microsoft's Minecraft: Education Edition to create their ideal energy efficient world and showcase their aspirations for Singapore.

3 Team Futurae, from Raffles Girls' School (Secondary), clinched the championship with their creative and comprehensive presentation of innovative energy efficient ideas for Singapore in 2050. Their ideas included having environmentally friendly public buses that are powered by both solar and hydrogen.

4 Special mention goes to the first runner-up, Physicsociety from Bedok Green Secondary School, for their creative video delivery and impressive Minecraft world. The second runner-up, Lightning Prodigies from St Hilda's Secondary School, also demonstrated a thorough consideration of balancing the trade-offs between energy security, competitive prices and environmental sustainability.

5 Minister of State Low Yen Ling said, "As our energy sector evolves towards a cleaner and more sustainable future, we are looking to our young generation to co-create ideas and solutions with the Government and other stakeholders. I am heartened by the encouraging response from our youths in this inaugural edition of the SEGC (Youth). The winning entries demonstrate the students' depth of understanding about our energy landscape and capture their hopes for a sustainable

Singapore. Their participation bodes well as we see youths taking a more active part to own, shape and act on our shared future. We look forward to more fresh and innovative ideas in the following editions to come.”

6 Sunseap CEO and Executive Director Mr Frank Phuan, one of the judges, said, “We are heartened to see so much interest from our youths in the energy landscape. They are our nation’s future and their enthusiasm in contributing ideas to shape the future of energy augurs well for the national effort to create a cleaner, greener Singapore. Congratulations to the winners and to all participants. I hope this is only the start of their sustainable journey and they will continue to use their imagination and creativity to help tackle the most pressing issue of our time – climate change.”

7 Team Futurae received a \$5,000 cash prize and a Challenge Trophy for their school, while Physicsociety and Lightning Prodigies received \$3,000 and \$2,000 respectively.

8 The judging panel for the Challenge comprised representatives from EMA, Infocomm Media Development Authority (IMDA), Microsoft Singapore, Sunseap Group and Science Centre Singapore.

9 The SEGC (Youth) is a partnership between EMA and Microsoft Singapore. It is supported by Singapore Polytechnic and IMDA. It is held in line with the Singapore Together movement where Singaporeans can partner the government and one another to own, shape and act on a shared future for Singapore. The next edition of the SEGC (Youth) will be held in the first half of 2021.

[Annex A](#): Information on the Winning Teams of SEGC (Youth) 2020

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About the Energy Market Authority

The Energy Market Authority (EMA) 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, EMA seeks to forge a progressive energy landscape for sustained growth.

Website: www.ema.gov.sg | Follow us: Instagram: @EMA_Singapore | Facebook: facebook.com/EnergyMarketAuthority | Twitter: @EMA_sg

About Microsoft

Microsoft (Nasdaq “MSFT” @microsoft) enables digital transformation for the era of an intelligent cloud and an intelligent edge. Its mission is to empower every person and every organisation on the planet to achieve more. For more news and information, visit <https://news.microsoft.com/en-sg>.

About the Infocomm Media Development Authority

The Infocomm Media Development Authority (IMDA) leads Singapore’s digital transformation with infocomm media. To do this, IMDA will develop a dynamic digital economy and cohesive digital society, driven by an exceptional infocomm media (ICM) ecosystem – by developing talent, strengthening business capabilities, and enhancing Singapore’s ICM infrastructure. IMDA also regulates the telecommunications and media sectors to safeguard consumer interests while fostering a pro-business environment, and enhances Singapore’s data protection regime through the Personal Data Protection Commission.

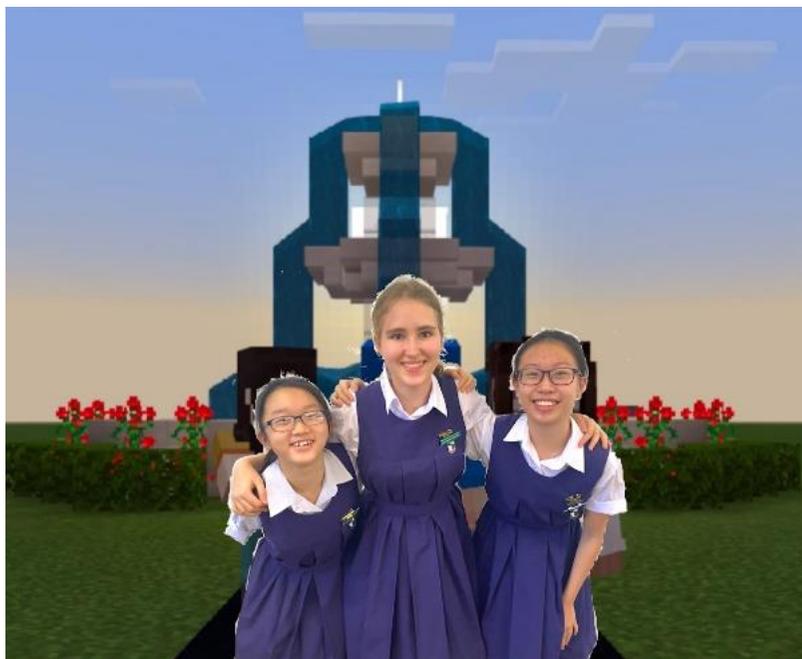
For more news and information, visit www.imda.gov.sg or follow IMDA on Facebook IMDAsg Twitter @IMDAsg.

About Singapore Together

Singapore Together is about the Government working with Singaporeans, and Singaporeans working with one another, to build our future Singapore. The Government will open up more partnership opportunities for Singaporeans to participate. The Government also hopes to support more citizen-led efforts. Whatever our background or interests, we can each step forward to contribute in areas that we care about. By working together, we can turn diversity into strength and transform challenges into opportunities, to build a Singapore that present and future generations of Singaporeans will be proud of.

INFORMATION ON THE WINNING TEAMS OF SEGC (YOUTH) 2020

Team Futurae
Raffles Girls' School (Secondary)



Members:
(L to R) Hilary Chee, Anastasiya Samushkova, Zhang Haiyun

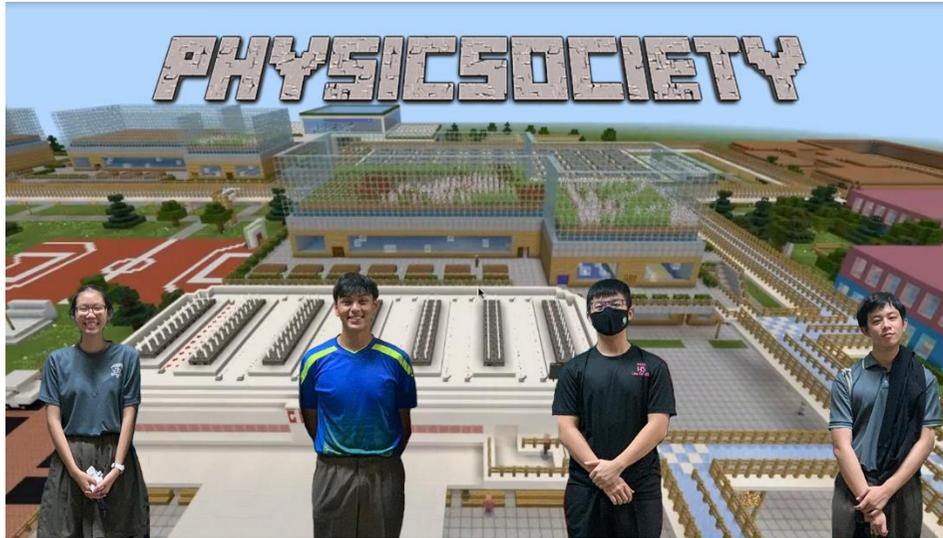
Click [here](#) to view the team's video entry

“Our SEGC journey was challenging yet rewarding. Prior to joining the Challenge, none of us had played Minecraft before and we were also unfamiliar with coding. Despite the hard work in building the items in our energy world from scratch, it was worthwhile and something that we feel proud of after seeing the final product.

After taking part in the Challenge, we learnt that there is no one silver bullet which would solve global and complex issues such as the energy trilemma. That said, having many solutions that do not work in Singapore's context is as good as having no solution. We also learnt that we do not necessarily have to work in the power industry in order to contribute to a more sustainable energy future. Anyone can play a part in their daily lives. Often, we think we need to have in-depth industry experience before we can make a difference. But so long as we are willing to learn, adapt and be open to different ideas, we can still make an impact. Think about today, dream, and act for tomorrow.

As we strive to make Singapore a better place for all, we will always remember: *It's our energy story. Ours to create.*”

Physicsociety
Bedok Green Secondary School



Members:
(L to R) Ong Shi En, Ashraf Masuri, Sun-Yet Tan, Colby Kang

Click [here](#) to view the team's video entry

“We joined this Challenge with the hope of being able to contribute our ideas to help shape Singapore’s energy future.

When building our energy efficient world, we were initially worried that we might not be able to meet the deadlines as we were juggling between this project and our school examinations. But we encouraged one another along to get the tasks done and we were glad that our strong camaraderie allowed us to eventually finish building a world that we are proud of for the Challenge.

Through this experience, we have gained a deeper understanding of Singapore’s Energy Story and have fun exploring different innovative energy efficient ideas. It was indeed a gratifying experience for the team as we learnt and grew as individuals.”

Lightning Prodigies
St. Hilda's Secondary School



Members:
(L to R) Nur Sarah Binte Mohamed Rafiq, Ng Sheng Kang Ernest,
Tan Kang Rui, Roger Halim

Click [here](#) to view the team's video entry

“The thought of being able to use Minecraft Education Edition to put our vision of how a future energy-efficient school would be like excited us. It put our critical thinking skills to the test as we needed to consider the implications and trade-offs to come up with new and innovative ideas.

The experience of having to build the energy-efficient school virtually has been a refreshing one. In the process of building our energy world, we learnt how Singapore is changing the way it produces and uses energy, as well as the current limitations for harnessing energy in Singapore.

One of our key takeaways from taking part in the Challenge is that we are all now more careful about how we use energy and to make it a point to save energy where we can. Learning more about Singapore's Energy Story and the energy trilemma that we need to manage has also inspired us to want to be more active role in contributing to make Singapore more sustainable for everyone.”