

Sembcorp-Energy Market Authority (EMA) Energy Challenge

Since 2014, EMA has been partnering industry partners to build a future-ready energy workforce and strengthen our energy grid resilience.

- a. Sembcorp-EMA Energy Challenge (SEEC). The SEEC is a national competition aimed at inspiring and engaging the energy professionals of tomorrow. Since its inception in 2015, more than 300 students from the Institutes of Higher Learning have participated in the annual SEEC. Over the years, we have seen a 50 percent increase in registration numbers. The Power Quest game challenges students to solve practical, real-world scenarios faced by Power sector professionals in their work.

Participants get to visit Sembcorp Cogen @ Bayan, a state-of-the-art cogeneration plant. This brings engineering concepts to life for the students, and enables them to see what it is like to work in a power plant. Winners of the SEEC are offered, among other things, internship opportunities at Sembcorp to apply their technical knowledge. Mr Lim Zhi Wei from the Nanyang Technological University, a winner of the 2016 SEEC, is currently undergoing his internship at Sembcorp and has developed a strong interest in power engineering.

- b. Sembcorp-EMA Energy Technology Partnership (SEETP). The SEETP is a \$10 million initiative to promote the innovative energy ideas and R&D solutions. Researchers and local small-medium enterprises (SMEs) will be given the opportunity to test-bed their technologies at Sembcorp's facilities to get a better chance at commercialising their ideas. To date, two grant calls have been launched in areas such as waste heat recovery and the adoption of robotics/automation to enhance operations productivity.