



Visit to Aemulus Base, Penang

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In the heart of Penang, Malaysia, lies a hub of technological innovation that is propelling the semiconductor industry forward. Aemulus Corporation Sdn. Bhd., a key player in the realm of semiconductor testing, recently hosted a field visit by a team consists of IEM eETD/ MaTD and IEEE Malaysia Section to their advanced facility, offering a rare glimpse into the intricate world of automated test equipment (ATE). The visit was hosted by Ms. Hazel (ESG Manager), which it was attended by a group of 25 individuals, comprising industry professionals and academicians from the field of electronics and semiconductor technology.

This visit provided an opportunity for industry professionals, academics, and students to witness firsthand the sophisticated processes and cutting-edge technologies that underpin the testing and validation of semiconductor devices. Objective of the visit focused on the primary objective of the visit was to observe and understand the processes and technologies employed by Aemulus in semiconductor testing. The visit also aimed to foster industry-academia collaboration and provide a platform for knowledge exchange.

The visit started with a sharing on the technical presentation by Aemulus Senior R&D Manager Mr. Khang Hsiang, provided an overview of the company's history, mission, and core values. The overview also outlined Aemulus' core expertise in the design, engineering, and development of automated test equipment (ATE), and test and measurement instruments. Semiconductor manufacturers and outsourced semiconductor assembly and test companies utilise ATE to test semiconductor wafer and packaged devices before shipped out for final assembly into various electronic devices and gadgets. It is in our interest to constantly innovate design with a wide

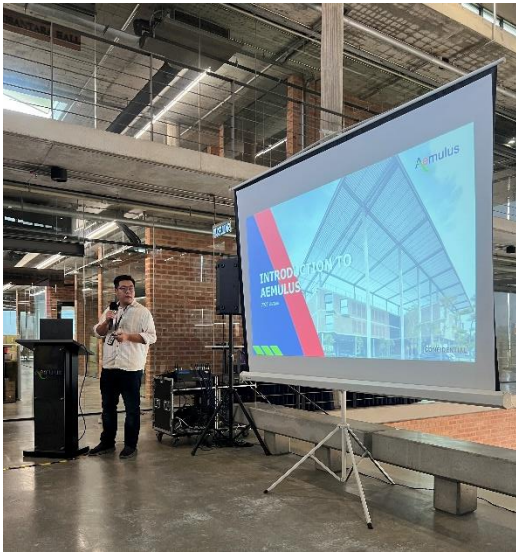
range of functions and paired with remarkable speed and cost of test (CoT). With our groundbreaking design, we contribute to advancing wireless communication infrastructures, making gadgets affordable for the mass users, and leading the next generation to a world without borders." A good dialogue session also conducted, where attendees engaged with Aemulus's technical staff to delve deeper into technical aspects, talent pipeline developments and industry trends.

The visit continued with a detailed production floor process and flow overview by the Production Manager, Mr. Chin Wah, along the plant tour walk. The facility visit boasted with tester assembly environment, and advanced labs that adhere to stringent quality standards. The team collectively observed that Aemulus's commitment to innovation was evident through its investment in R&D and the continuous improvement of its ATE solutions. The company also placed a strong emphasis on quality control and adheres to international standards to meet global market demands. Besides, a quick tour to the staff office also revealed the company's dedication to sustainability, evident in their energy-efficient design and green initiatives, which serve as a model for eco-friendly operations in the tech sector. The visit also highlighted the importance of collaborative spaces that foster innovation and teamwork.

The technical field visit to Aemulus Penang was an enlightening experience that provided valuable insights into the semiconductor testing industry. The company's dedication to technological advancement and quality assurance positions it as a key player in the global semiconductor market. The visit underscored the importance of such facilities in driving innovation and maintaining the competitiveness of the regional and international semiconductor industry.



Figure 1. Outlook of Aemulus Corporation Sdn. Bhd.



(a)



(b)

Figure 2. (a) Mr. Khang Hsiang provided an overview of the company's history, mission, and core values. (b) A good dialogue session also conducted by Marcus Lee (Applications Director) and which participated by Ir. Dr. Mui on talent pipeline developments and industry trends.



Figure 3. The visit continued with a detailed production floor process and flow overview by the Production Manager along the plant tour walk.



Figure 4. The group picture taken together by the attendees from IEM eETD/ MaTD and IEEE Malaysia Section as well as the host from Aemulus.