

Technical Seminar

The New Era of Data Industry's Top Critical Equipment: Standby Power System

Date: 13th Oct 2023 (Friday)

Time: 6:30PM – 8:00PM

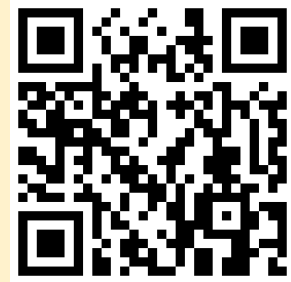
**Venue: Chan Yat Mei Sophie Room, 9/F, HKIE HQ
and online**

**Language: Cantonese supplemented with English
Terminology & PPT presentation**

Organized by: HKIE EL Division

Supported by: MMNC and AMC division

Registration



Data Center, Cloud System, AI Computing Power, search engine, e-commerce, banking, software and social networking companies require continuous uptime for more than a decade as expected by their customers. Today, 24x7 access to data becomes a mandatory requirement for almost every business aiming at global market. Reliable and high-capacity standby power system is one of the mission critical equipment in this new era of data industry. Generator Set (Genset) with its auxiliary equipment are the key component of those standby power systems.

In this presentation, the speaker will start with Generator Set in general to explain some basic concepts, such as the key components, types of generator sets and their applications. Since most of the current Data Center require high standby power, the speaker will focus on how to build a reliable high-capacity standby power system. The speaker will introduce the key functions and features of high-capacity generator set systems and the design of multiple Gensets operating in parallel. The speaker will explore the ways of the parallel operations with various application scenarios, and how to increase the reliability with different redundancy approaches. Moreover, the speaker will briefly introduce how to design a reliable control system. The speaker will also explain how and where to locate multiple Gensets while meeting the environmental requirements. The speaker will provide information from the traditional

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housing in a well-built area, to external housing fabricated in one or more containers. The modular design meeting the installation and transportation requirements will also be explored. Exhaust, fuel system designs and testing and commissioning approaches will also be introduced in this presentation.

Speaker: Mr. King Cheng

Mr. King Cheng, Executive Director of 3Tech Group, over 30 years of experience in the Information Technology, Telecommunication and Power Industries.

He leads the company to develop from diesel generator sets to energy solutions for telecommunication base stations. He actively participated in the booming 5G communication infrastructure construction, and extended it from energy products to edge computing infrastructure products. Under his leadership, 3Tech stations in Hong Kong while the manufacturing facility is in Dongguan of China and Nigeria. It has its own product brands LionRock and intelligent management platform Owleye.

The New Era of Data Industry's Top Critical Equipment: Standby Power System

Registration

- ✓ This seminar will be held **Chan Yat Mei Sophie Room, 9/F, HKIE HQ and online**
- ✓ Please register online at this link:



<https://forms.gle/chQvgBBZhg6Kzxo27>

- ✓ Due to limited seats, in-class application will be accepted on a first-come first-served basis. Priority will be given to members of EL, MMNC and AMC Division. Successful applicants will be notified 2 days before the seminar.
- ✓ The deadline for registration is 9 Oct 2023. Successful participants for in-class seminar will receive email notification by 11 Oct 2023.
- ✓ Any applicants not getting the confirmation email by 12 Oct 2023 are assumed unsuccessful.