

Half Day Seminar on Ensuring Power Continuity: Design, Operation and Best Practices of Automatic Transfer Switch Systems

Organised by:
Electrical Engineering Technical Division, IEM
In Collaboration with Mittrix Engineering Sdn Bhd



Event Details

LIMITED

70 pax only



Date : 8th May 2026, Friday

Time : 9:00am - 1.00pm

Venue :

**Hotel Saujana KL
Jalan Lapangan Terbang
SAAS, Saujana
40150 Shah Alam**



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Registration Fees (inclusive 8% SST)	Online Fees (RM)	Normal Fees (RM)
Student/Graduate & Corporate Member	50.00	60.00
Non-Member	100.00	120.00

CPD Hours: 3 hours

CPD Ref. No.: Applying

TIME	PROGRAMME
08:45AM - 09.30AM	REGISTRATION & BREAKFAST
09.30AM - 09.45AM	Introduction
9.45AM - 10.45AM	ATS Principles, Design and Application & QUIZ
10.45AM - 11.00AM	TEA BREAK
11.00AM - 12.00PM	IEC Compliance - IEC 60947-6-1
12.00PM - 12.45PM	Automatic Transfer Switch Demo
12.45PM -1.00PM	Loadbank Fundamentals
1.00PM - 2.00PM	LUNCH & PORGRAMME END

Synopsis

Automatic Transfer Switches (ATS) play a critical role in maintaining power continuity for mission-critical facilities such as data centers, healthcare institutions, industrial plants, and commercial infrastructure. A properly designed and applied ATS system ensures seamless transfer between power sources while minimizing operational risk and downtime. This technical session will provide a practical overview of ATS systems, including key design considerations, key features such as closed transition, open transition with overlapping neutral, transfer switch with internal isolation switch, in phase transfer operating principles, and IEC requirements. The talk will also cover best practices in specification, coordination with upstream and downstream equipment, and operational reliability. Attendees will gain a deeper understanding of how Automatic Transfer Switches contribute to resilient electrical infrastructure and how proper selection of ATS with proper short circuit withstand capacity can significantly enhance the system reliability.

Speaker's Biodata

With 19 years of experience in electrical engineering, Chuah Yeong Chin is a seasoned professional specializing in power reliability and Automatic Transfer Switch (ATS) systems. He has spent the past 11 years with ASCO Power Technologies, where he has developed extensive expertise in the design, application, and operation of automatic transfer switch solutions for critical power infrastructure. Throughout his career, he has worked closely with customers, engineers, and industry stakeholders to ensure reliable power continuity across a wide range of applications. His experience includes system design considerations, operational best practices, and real-world implementation of ATS technologies in mission-critical environments. Chuah has also conducted numerous technical talks and discussions with industry professionals, sharing practical knowledge and field experience related to ATS applications and power reliability. As a speaker, he brings insights drawn from this industry to help audiences better understand the role of automatic transfer switching in improving system reliability, safety, operational resilience and also IEC requirements in mission critical segments.