



ONE DAY
WORKSHOP ON
“PRINCIPLES OF DESIGN AND
APPLICATION OF FLUORINE
FREE FOAM IN FIXED
EXTINGUISHING SYSTEMS”

SPEAKERS :

Ir. CHA HOONG KUM & Mr. SIMON BARRATT

11TH MARCH 2024 (Monday)

9.00 A.M. – 5.00 P.M

ALOFT KUALA LUMPUR SENTRAL

5, JALAN STESEN SENTRAL, KUALA LUMPUR SENTRAL

BEM Approved CPD/PDP Hours: 6
IEM24/HQ/085/W

LIMITED TO 50 REGISTERED PARTICIPANTS ONLY
(First-Come-First-Serve Basis)

Closing Date: 07TH MARCH 2024 (Or at Earlier Date; Once the Numbers Reached)
NQ online registration will be allowed after the Closing Date

Organized & Hosted by:
Building Services Technical Division (BSTD), IEM
In Collaboration with The Viking Corporation (Far East) Pte Ltd

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

OBJECTIVES

The workshop will focus on the design and technical applications of Synthetic Fluorine Free Foam (SFFF) suppression systems in various applications.

SYNOPSIS

Environmental Concerns: What is PFAS and the impact to the environment and human health. Trends and legislation that is driven by the Stockholm Convention and its impact on the future of C6/AFFF Foam Systems.

Fluorine Free Foam Systems: A detailed look at the development and testing of the components and system. A comparison of AFFF versus SFFF systems and the changes to the design standards.

Applications: Principal considerations for system design, applicable standards, and system calculations for the following applications:

- Storage Tank Protection
- Chemical Warehouse
- Aircraft Hangars & helipads

In these applications, the speaker will cover sections of several standards such as NFPA 11, NFPA 16, NFPA 409 and FM 7-32.

Existing Systems: What are some of the principal considerations needed to convert existing systems to SFFF. A detailed look at the system components and some recent case studies.

WHO SHOULD ATTEND

Practicing and licensed engineers or M&E Consultants involved in the design of foam suppression systems for new installations or for the conversion of existing AFFF systems to SFFF are encouraged to attend.

WORKSHOP SPEAKERS

SPEAKER 1

Ir. CHA HOONG KUM



Experienced in system design, planning, supervision, and commissioning of fire protection systems during his tenure at Fitters Sdn Bhd and Mac-Tech Engineering Sdn Bhd.

Ir. Cha Hoong Kum possesses expertise in complying with NFPA requirements such as NFPA 20, 11, 16, 409, 13, 14, and 15, thus enhancing both engineering and management skills. As the founder of Versus Solutions Sdn Bhd, he specializes in facilities management, fire protection system design and consulting, foam system, fire water pump performance testing, and fire protection equipment supply.

Additionally, he is a member of the Institution of Engineers Malaysia and a Professional Engineer of the Board of Engineers Malaysia, currently serving as Chairman of the Building Services Technical Division (BSTD) and a committee member of the IEM Fire Advisory Board.

SPEAKER 2

Mr. SIMON BARRATT



Simon Barratt, Foam Product Manager, Viking EMEA

Simon manages the Foam Product line and is responsible for the development of the product roadmap, working closely with the regional product managers to ensure effective management of product lifecycles and competitive intelligence.

Educated in Business and Finance with over 24 years of Fire Protection experience. Simon began his career at Central Spraysafe where he worked on internal sales and distribution for the EMEA and APAC regions.

He joined Viking's UK organisation in 1999 with 2 years as external Sales Representative followed by 12 years as Regional Sales Manager which included commercial responsibilities, marketing and technical support for the UK and Ireland territory also. Simon moved to his current role of Foam Product Manager in 2013.

PROGRAMME

TIME	TOPIC	SPEAKER
8.30 am - 9.00 am	Registration of Participants & Welcome Address by Building Services Technical Division (BSTD)	
9.00 am - 9.15 am	Foam Introduction	Ir. Cha Hoong Kum
9.15 am - 9.30am	PFAS Issue & SFFF Overview	“
9.30 am - 10.00 am	PFAS related Global Trends & Legislation	“
10.00 am - 10.30 am	Fire Testing and Approvals	“
10.30 am - 10.45 am	Coffee Break	
10.45 am - 11.15 am	AFFF vs. SFFF	Mr Simon Barratt & Ir. Cha Hoong Kum
11.15 am - 11.45 am	SFFF Product Overview	“
11.45 am - 12.30 pm	Tank Protection / Chemical Storage (Design)	“
12.30 pm - 13.30 pm	Lunch	
13.30 pm - 14.00 pm	Tank Protection / Chemical Storage (Design)	Mr Simon Barratt & Ir. Cha Hoong Kum
14.00 pm - 14.45 pm	Aircraft Hangar	“
14.45 pm - 15.15 pm	Existing System Transition to SFFF	“
15.15 pm - 15.30 pm	Tea Break	
15.30 pm - 16.00 pm	Existing System Transition to SFFF	Mr Simon Barratt & Ir. Cha Hoong Kum
16.00 pm - 16.30 pm	SFFF Transition Case Studies	“
16.30 pm - 17.00 pm	Question & Answer	“
17.00 pm	End	

“IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion”

For further details, kindly contact:

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 Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),
 46720 Petaling Jaya, Selangor
Tel: 603-7968 4001/2 **Fax :** 603-7957 7678
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REGISTRATION FORM

ONE DAY WORKSHOP ON PRINCIPLES OF DESIGN AND APPLICATION OF FLUORINE FREE FOAM IN FIXED EXTINGUISHING SYSTEMS”

11TH MARCH 2024

via **PHYSICAL EVENT@ALOF KUALA LUMPUR SENTRAL**)

Tel: 603-7968 4001/2 Fax: 03-7957 7678 Email: shahrul@iem.org.my / suriani@iem.org.my

PARTICIPANT COMMITMENT FEES (Fees are lower due to the event being sponsored)

IEM Member	RM50.00
Non IEM Member	RM 80.00

No	Name(s)	IEM Membership No.	Grade	Fee (RM)*
SUB TOTAL				
<i>Please ADD + 8% SST</i>				
TOTAL PAYABLE				

PAYMENT DETAILS :

Cash RM _____

Cheque No. _____ for the amount of RM _____ (non-refundable) and made payable to

“THE INSTITUTION OF ENGINEERS, MALAYSIA” and crossed ‘A/C Payee Only’.

(SHOULD PAYMENT IS MADE, KINDLY EMAIL THE ‘BANK-IN-SLIP’ TO IEM FOR VERIFICATION BEFORE THE EVENT FOR EASY REGISTRATION)

FULL PAYMENT must be settled before commencement of the seminar/workshop/course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non- refundable.

For **ONLINE REGISTRATIONS**, please note that **PAYMENT MUST be made BEFORE the CLOSING DATE**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____

Designation: _____

Name of Organization : _____

Address : _____

Telephone No. : _____

(O)

Fax No : _____

(O)

Handphone: _____

(HP)

Email: _____

Signature & Stamp _____

Date _____

TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.