

## HILT-ARCADIS JOINT SYMPOSIUM ON FIRE-FIGHTING FOAM TRANSITION AND ITS CHALLENGES

### Seminar Information

The phasing out of fire-fighting foams containing Per- and Polyfluoroalkyl Substance (PFAS) chemicals listed under the Stockholm Convention stipulated by National Environment Agency (NEA) requires all industry stakeholders in Singapore to phase out the import and use of fire-fighting foams containing PFOA and PFOS by **1<sup>st</sup> Jan 2026**. This seminar addresses the key challenges for the different stakeholders during the transition phase from the use of Aqueous Film Forming Foam (AFFF) to Synthetic Fluorine Free Foam (SFFF) for fire-fighting purposes. The seminar will begin with an introduction on the fire-fighting provision and requirement under SCDF Fire Code, SS 532:2024 Code of Practice for the storage of flammable liquid, SS 634:2018 Code of practice for fire safety for open plant processing facilities in oil, chemical and process industries. The seminar will cover themes on the environmental implication and consideration behind the transition to SFFF. Attendees will also gain industry insights via case studies of successful transition to SFFF, further enhancing their confidence and understanding to mitigate the different challenges that could surface during the execution phase.

### Target Audience

Professional Engineers, Fire Safety Managers, Environmental Engineers, Officers from Relevant Government Agencies (i.e. SCDF, NEA), and practitioners and stakeholders in oil & gas industry, aviation industry, including Owners, Fire Contractors, Facility Managers, etc.

### Seminar Program

Time	Topics
12:30 – 1:00pm	Registration
1:00 – 2:00pm	Introduction and Code Requirements
2:00 – 3:00pm	Environmental Implication and Considerations
3:00 – 3:15pm	Break
3:15 – 4:00pm	Overseas Case Study on Foam Transition Program
4:00 – 4:30pm	Local Case Study 1 on Foam Transition Program
4:30 – 5:00pm	Local Case Study 2 on Foam Transition Program
5:00 – 5:15pm	Closing

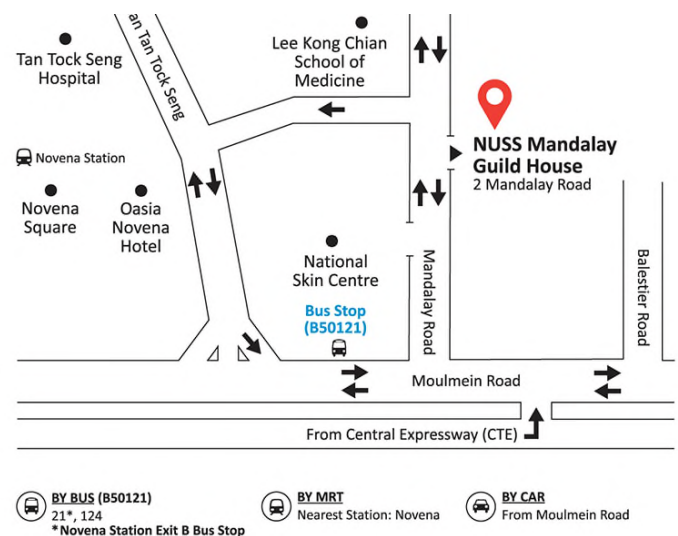
### Date and Time

**18 Oct 2024, Friday, 12.30pm to 5.15pm**

### Venue

Combined Adam-Bukit-Orchard Suite  
 NUSS Mandalay Guild House  
 2 Mandalay Road, Singapore 308206

### Venue Map



### Seminar Fee (including GST)

\$130.80 per pax

### Continuing Professional Development

- Qualified CPD points by SCDF to FSM – 3
- Qualified PDU points by PEB – TBA

### Speaker's Profile



**Mr. Ho Victor** is a director of HILT Pte Ltd, a fire safety engineering consultancy and a council member of The Institution of Fire Engineers Singapore. He is a Professional Engineer registered with Professional Engineer Board Singapore. He is also a Fire Safety Engineer and a Registered Inspector registered with Singapore Civil Defence Force. He has been involved in fire safety and mechanical design for 29 years. He has served on various code committees in Singapore, recently completed his term in the review of SS 532 – Code of Practice for Flammable Storage and is currently on the Singapore Master Fire Code Review Committee. His involvement with Underwriters Laboratories (UL) is as a technical committee member of UL2849 and a stakeholder of UL9540.



**Mr. Chen Mingliang** is the Operation Director of HILT Pte Ltd. He has 10 years of experience in both prescriptive and performance based fire consultancy works. He holds a Master's Degree in Fire Protection Engineering with University of Maryland and is also an active member of the Technical Committee for the review SS634 Code of practice for fire safety for open plant processing facilities in oil, chemical and process industries.



**Mr. Peter Storch** is the Senior Technical Director and the Principal Chemical Engineer at Arcadis Australia Pacific. He obtained certification as a Registered Professional Chemical Engineer in Arizona in 1994. He has over 30 years of experience in environmental, remediation, and process engineering across the United States, Europe and Australia. Since 2012, he was focused on the development of PFAS remediation technologies, decontamination of PFAS-impacted infrastructure including fire system piping. He had successfully lead multiple foam transition program in Australia across different industries such as aviation, chemical manufacturing, and petroleum terminal facilities.



**Mr. Eugene Tan** serves as the Honorary Secretary of the Fire Protection Association Singapore (FPAS) and is the Head of Contract Servicing at SAFI Equipment & Services Pte Ltd. With over 28 years of international consultancy and advisory

experience in infrastructure development across South Asia, Southeast Asia, Africa, and the Middle East, Eugene brings a wealth of expertise to his roles. He currently leads a consortium of market-leading partners, delivering comprehensive solutions to clients for their foam transition projects in Singapore and beyond.



**Mr. Kelvin Tham** is the Project Sales Lead at Yen Lee Fireweld Pte Ltd. Over the past 2 years, he has led his team to perform multiple PFAS-free transitions with local stake-holders, primarily in the refining, petrochemical, and specialty chemicals sectors. The team has conducted over 25

(and still counting) site surveys to assist end users on their Capital Expenditure (CapEx) for the transitions. Kelvin has spoken at the respective safety clusters within Jurong island and government agencies to help the decision makers understand the challenges in PFAS-free transitions.

## REGISTRATION INFORMATION

### Closing Date

Registration closes on **30<sup>th</sup> Sep 2024**  
(Registration will close upon 50 pax is reached.)

## HOW TO REGISTER

### Online Registration

#### Step 1

Register your interest via the registration link below:  
[https://docs.google.com/forms/d/e/1FAIpQLSeDVxQLFa-fG7I5\\_kV9iMiRbqVCCsKy9OWtwZWERPUa1j-oBlw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSeDVxQLFa-fG7I5_kV9iMiRbqVCCsKy9OWtwZWERPUa1j-oBlw/viewform?usp=sf_link)

#### Step 2

Make payment via one of the following methods below:

##### i. Bank Transfer

Bank Name: Standard Chartered Bank (Singapore) Limited  
Account Name: HILT PTE LTD  
Account Number: 01-0-211145-6  
SWIFT CODE: SCBLSG22XXX  
Bank Code: 9496  
Branch Code: 001  
Address: Battery Road Branch, 6 Battery Road Singapore 049909

##### ii. PayNow

UEN: 200723557C  
Entity Name: HILT PTE LTD

#### Step 3

Email to [cslaw@hilt.com.sg](mailto:cslaw@hilt.com.sg) evidence of payment made in Step 2 and your seat will be confirmed via a reply confirmation email.

#### Registration Notes:

1. Please ensure you have completed the **correct details on the registration page.**

#### Disclaimer & Refund Policy

2. HILT-ARCADIS reserves the right to postpone or cancel the symposium due to unforeseen circumstances.
3. No refund of seminar fees for cancellation. Replacements are allowed **before** the closing of the registration date line stated in this Brochure. No replacements **after** the closing of the registration date.
4. HILT-ARCADIS may disclose personal information that is in accordance with the PDPA to any of our agents and service providers.

## CONTACT INFORMATION

Any enquiries are to be sent to our official email below:

Ms Zoey Law  
8289 9636 (HP) (Mon to Fri 9am to 5pm)  
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Email: [admin@hilt.com.sg](mailto:admin@hilt.com.sg)