

Half-Day Seminar

Stormwater Management

In The Face of Today's Climate Challenges

Synopsis

As the impacts of climate change become increasingly evident, cities across the globe face challenges such as intense rainfall and frequent flooding. These issues have made stormwater management a critical component of sustainable urban planning. In Malaysia, the urgency is heightened by the government's commitment to achieving net-zero carbon emissions by 2050, as well as its mandate for all government procurement to incorporate at least 25% green materials. This seminar is designed to address these challenges, with a particular focus on how On-Site Detention (OSD) tanks can be leveraged to mitigate flooding while meeting sustainability and regulatory requirements.

The seminar will guide consulting engineers, contractors, and policymakers on how to design and implement OSD system that align with evolving green certification and environmental goals. By integrating innovative design approaches and green materials, participants will learn how to achieve compliance with standards such as the Green Building Index (GBI). CIDB's Infrastar rating, and Bursa Malaysia's ESG requirements. These frameworks are pivotal for organizations striving to enhance their sustainability credentials, meet investor expectations, and support national to combat climate change.

Key Topics:

1. Aligning Stormwater Management with ESG and Green Certifications:

Participants will explore how OSD tanks can be designed to not only manage stormwater effectively but also support green status certifications like GBI and Infrastar. Sessions will include guidance on selecting materials and technologies that contribute to scoring high on these benchmarks, helping consulting engineers and project developers meet Malaysia's sustainability targets.

2. Incorporating Green Materials to Meet Procurement Mandates:

With the Malaysian government's emphasis on incorporating at least 25% green materials in public projects, the seminar will address innovative material options for OSD systems. Experts will discuss how these materials reduce environmental impact while maintaining the structural integrity and efficiency of the systems. Attendees will gain practical knowledge on achieving compliance with government procurement policies and advancing ESG priorities.



The Institution of Engineers, Malaysia
(Penang Branch)

This Event is brought to you by:



2 July 2026 (Thurs)



8.30am – 1.00pm



IEM Penang Office
1-04-02 E-gate, Lebuh Tunku Kudin 2
11700 Gelugor, Penang

BEM CPD Hours: 3

Ref: IEM26/PG/189/S

IEM Member : FOC
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Time	Details
08.30am - 09.00am	Registration
09.00am - 10.30am	Session 1
10.30am - 10.50am	Tea Break
10.50am - 12.30pm	Session 2
12.30pm - 1.00pm	Q&A - End

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Key Topics:

3. Supporting Net-Zero by 2050:

Malaysia's ambition to achieve net-zero carbon emissions requires concerted action across all infrastructure sectors. This seminar will highlight how stormwater management solutions, particularly OSD tanks, can contribute to this goal by reducing urban flooding, conserving resources, and integrating renewable energy options where applicable.

4. Overcoming Construction Challenges:

Fast-paced urbanization often places pressure on construction timelines. The seminar will explore how modular designs, advanced construction methods, and strategic planning can reduce lead times for OSD implementation without compromising safety or quality. This session will also emphasize how these practices can align with Malaysia's drive for efficient, sustainable infrastructure.

5. Global Best Practises and Local Adaptation:

Renowned speaker with international experience will share case studies from around the world, demonstrating how innovative stormwater management systems have been successfully implemented in varying contexts. These insights will provide participants with practical strategies for navigating local challenges, such regulatory hurdles, budget constraints, and community engagement, while achieving high performance and ESG compliance.



Why Attend?

This seminar is an invaluable opportunity for professionals in engineering, urban planning, construction, and policy development to stay ahead in the rapidly evolving field of stormwater management.

Attendees will leave equipped with:

- Stay head in stormwater management by mastering cutting-edge strategies and technologies.
- Enhance your sustainability credentials to meet investor and regulatory expectation.
- Connect with industry leaders to collaborate on Malaysia's green infrastructure goals.

Join Us:

As Malaysia strives to balance rapid urbanization with the urgent need for climate resilience, this seminar offers a platform for industry leaders to collaborate and innovate. Together, we can drive the transition toward sustainable, green infrastructure that supports both community well-being and national goals for a greener future.

Be part of the solution. Lets' shape the future of stormwater management and help Malaysia achieve its net-zero ambitions.

About the speaker

Mr. Philippe Alliaume is a seasoned professional with a Master degree in Finance & Marketing from Kedge Business School (France) and Nottingham University (England), graduating in 1990. He has significant international experience, spending 15 years in the United States before relocating to Malaysia in 2007.

In Malaysia, he initially invested in a company manufacturing water tanks for portable water applications. Later, he was appointed Regional Director for the Middle East and APAC region for Belgian company specializing in wastewater solutions.

In 2018, Mr. Alliaume joined Otto Graf GmbH as South-East Asia Managing Director, where he established the regional office in Malaysia. Since 2007, he has been involved in hundreds of projects across South-East Asia, especially in the Philippines, focusing on wastewater treatment, rainwater harvesting, and stormwater management solutions.

