



# IEM

The Institution of Engineers, Malaysia

ORGANISED BY INFORMATION AND COMMUNICATIONS  
TECHNOLOGY SPECIAL INTEREST GROUP (ICTSIG)

# WEBINAR TALK ON "AN INTRODUCTION OF MOVA STORM WATER ON-SITE DETENTION SYSTEM"

by Ir. Chee Shai Choon & Mr. Chai Siew Liang

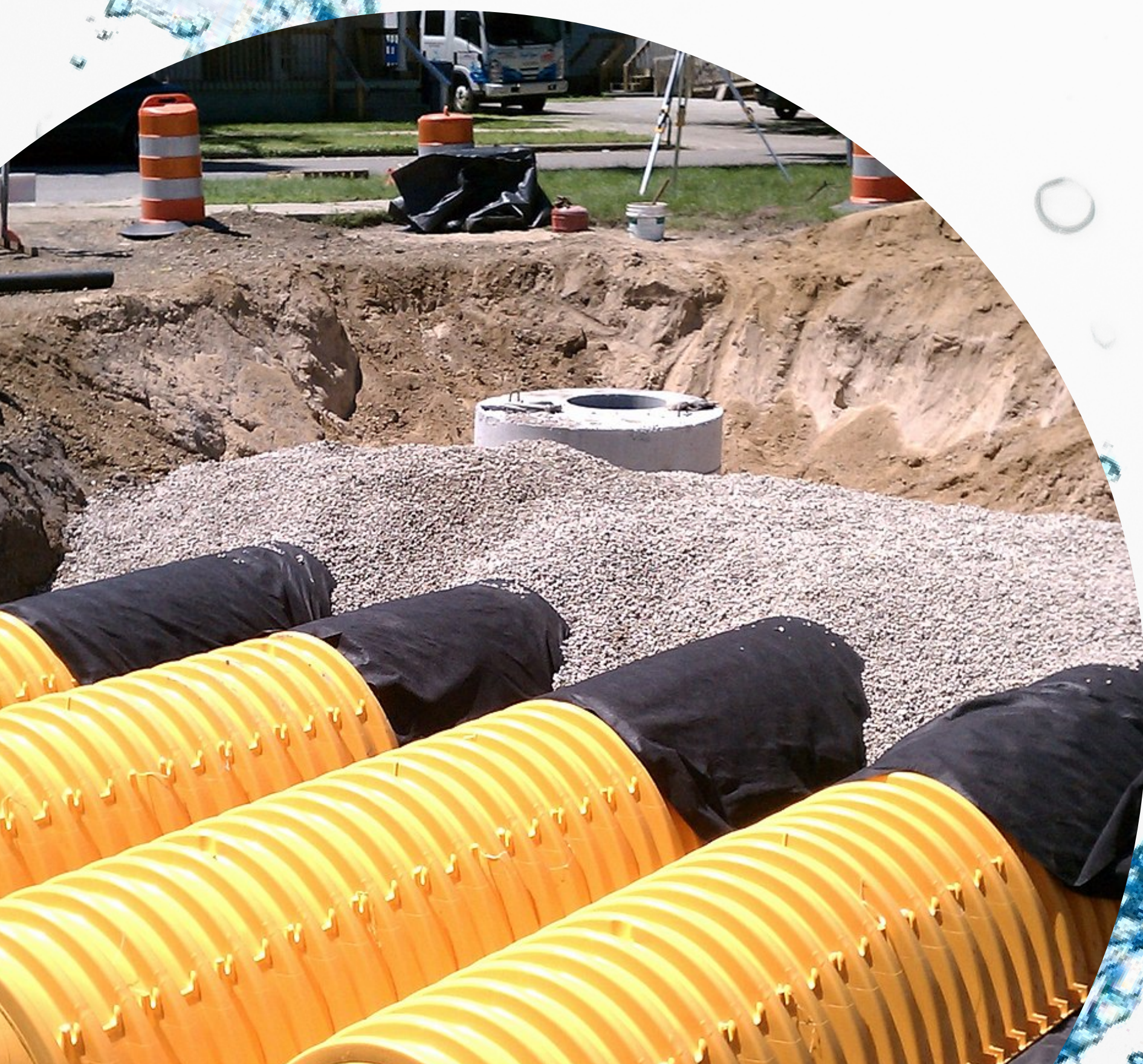
- 20TH SEPTEMBER 2023 (WEDNESDAY)
- 10.00 A.M. - 12.00 NOON
- DIGITAL PLATFORM (ZOOM)
- CPD HOURS : 2 HOURS
- CPD REF NUMBER : IEM23/HQ/405/T (W)

## REGISTRATION FEES

IEM STUDENT MEMBER : FREE

IEM MEMBER : RM 15

NON IEM MEMBER : RM 70



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## SYNOPSIS

Flooding is a major problem in Malaysia as rapid development resulted in greater amounts of impervious surface and alter the natural hydrology cycle, thus Urban Stormwater Management Manual for Malaysia (MSMA) 2nd edition recommended the use of On-site Detention/Storage facilities. MOVA Stormwater On-Site Detention System is a type of underground Storm water module that manufacture in Kuching, Sarawak, it promote infiltration and storage of storm water runoff and it can be work as both on-site storage and subsurface drainage module. Storm water module has been widely used worldwide for stormwater control and management system, it acts as a buffer to store excess rainwater and remove the risk of flooding of an area in a controlled way. As OSD facility is one of the submission requirement for every development in Malaysia, MOVA Stormwater On-Site detention system promote an alternative way for the construction of OSD which help to increase the construction speed. Additionally, the system can withstand high compressive strength with the interlocking system, which allows it to be used under traffic area, in order to increase the land usage area. Moreover, the system can caters for all volume requirement with no surface water storage hazards. We provide one-stop services and maintenance including planning, design, supply and install. This is a quick introduction and sharing on MOVA On-Site Detention System which speakers will give participants a glance on MOVA System. What can MOVA System do? What MOVA system can do for the flooding issue in Malaysia? How MOVA System replaced the conventional OSD System? What is the benefits of MOVA System?

This talk is to provide some guidance on how MOVA System can help engineers on the design of OSD System.

- How MOVA System work as On-Site Detention System.
- The principle of storm water module
- The comparison of MOVA System with conventional OSD System.
- How MOVA System help in project development and flood issue.
- Why MOVA System?

Benefits Who Could Benefit from This Course?

- Government Agencies/Bodies/local authorities
- C&S Consultant engineers
- Property Developers
- Design Engineers
- Site Supervisors
- Contractors and Sub-contractors
- Researchers
- Lecturers
- Undergraduate / Postgraduate Students

## ABOUT THE SPEAKERS.

Ir. Chee Shai Choon is a CPESC certified professional who leads a group of software developers in C & S Software Solutions Sdn Bhd which incorporated in year 2006. His clients mainly in Malaysia, somehow, where else there are some clients in Singapore, Brunei and Vietnam. He is specializing in stormwater where he has developed a "core MSMA suite" which covers all the Chapters in MSMA 2nd edition. He has completed the whole MSMA2 into digital edition. He is the software developer of the Infrastructure software which provided the most comprehensive civil engineering software. The product of Erosion and Sediment Control Plan(myESCP), OSD/Pond(IntelliDrain), 3D Earthworks(Zeon Earth), Detention Pond & OSD Design(ZeonStorm), XSeries modules such as Water reticulation(xWater), drainage network(xDrain), sewerage network(xSewer). Other software such as Sediment Basin and Singapore Pub design software. Further with the CPESC certified professional, he has acquired substantial of knowledge in ESCP which lead to one of his software is called myESCP. It comprises of erosion and sediment control facilities such as Check Dam Diversion Channel, Silt Fence. These facilities which are compliance to MSMA 2nd edition of chapter 12. The CPESC knowledge has led him to further on the ESCP development. This year will be his 13 years anniversary on his computer business. He is keeps on update his knowledge especially in stormwater field where enable him to invent more values in engineering products. With his continuity development of products in stormwater, he has further acquired significant amount of experience in this field. It can be from direct feedback from software client i.e. consultant engineers, his own involvement in stormwater projects, and during his events in stormwater. As a result, the cumulative skill and knowledge which covered from the design process involved up to construction and completion of stormwater works. It would be one of the best sharing with participants. He is also a civil engineer with good technical knowledge in engineering concepts. He has accumulated 21 years of his experience in field of IT and engineering design. His official website: [www.civilstructural.com.my](http://www.civilstructural.com.my). Currently his company has an international collaboration with three international engineering software companies from Europe i.e. Bricsys(Recommended alternative CAD) BricsCAD BIM, Computer Control System(Bridges)-Greece and Ingeciber,S.A(FEM) Spain. Along with his involvement on IT, he had conducted a number of talks/training in various organizations like IEM, JOS in JPS Ampang, Wawasan Professional Training Centre in KL. Talks & Seminar.

Mr.Chai Siew Liang is the general manager of the Wenhong Plastic Industries Sdn Bhd which incorporated in year 1995. Wenhong Plastic Industries Sdn bhd is a professional injection moulding which focus on manufacturing building construction material. After years of development, range of products have been developed which include PVC Gutter, Plastic Inspection Chambers and so on. In year 2016, Sarawak has introduced Sarawak Stormwater Management Guideline. After several visits to China, Mr Chai aware that pre-fabricated plastic water retention system may ease the construction, reduce construction cost and also the maintenance cost. Hence, he starts to develop the MOVA OSD System. Currently, MOVA OSD System is the first Malaysia brand which fully design and manufacturing in Malaysia. MOVA OSD System has achieved several awards both local and international.