

# Supervision of Construction in Singapore 4th Run



By Er. Yow Cheong Hoe

**Date: 29 & 30 Sept 2022, Thursday & Friday**

**Time: 29 Sept 2022: Virtual via Zoom from 3.00pm to 6.00pm**

**30 Sept 2022: Physical course from 9.00 am to 6.00pm at Orchard Hotel Singapore**

**Address of Orchard Hotel Singapore (30 Sept 2022): 442 Orchard Road, Singapore 238879**

**CPD Programme: 2 STU(Safety), 6 STU(Structural) – Confirmed  
10 PDU(PEB & CEng) – Confirmed**

**Fees: \$374.50 (IES Members) \$428.00 (Non-Member)**

- *Actual venue (hotel) will be stated in the confirmation email which will be sent to paid participant 2 weeks prior to event date*
- *Please note that attendance for both the courses are compulsory, Certificate of Attendance will be issued to participants with 100% attendance for both courses*
- **This is a blended course comprising 3 hours of zoom session and 7 hours of physical course at hotel.**
- **This course is UTAP Supported**
- **This course DOES NOT award SDU points**
- **This course is SFC Funded [TGS-2022013831](#)**
- **All Attendees must be fully vaccinated in order to attend the physical course at hotel. There will be NO refunds of any course fees should the Attendee be denied entry to the hotel due to incomplete vaccination status.**

- 2 Coffee Breaks (set) at hotel
- 1 Buffet Lunch at Café (subject to Government's regulation at time of event)
- Special Parking Rates at Hotel
- Food at Orchard Hotel Singapore is NO Pork NO Lard

## Part 1: What is Supervision and why is Supervision important

This session discusses the need for Supervision in the construction activity. The discussion will focus on the areas where supervision is critical, required, important or good practice. Statutory and Regulatory requirements will also be discussed, together with relevant references and codes of practice.

### Outline

- What is supervision of construction work
- Levels of supervision – critical, required, important or good practice
- Frequency of supervision
- Statutory and Regulatory supervision requirements
- Differences of QP(Sup), RE, RTO, site managers, site engineers, site supervisors, foremen
- Other duties of site supervision in addition to construction (environmental, safety, quality, administrative)

## **Part 2: Paperwork for Supervisors**

Paperwork for supervisors covers the necessary inspection/witnessing/non-conformance forms, reporting of supervision activities and of construction in general, and also site memos. This will cover topics of the standard forms and necessary details, the reports (daily reports or diaries, weekly reports, monthly summary and milestone reports) and also site memos to the contractors.

### **Outline**

- Items to be covered in reports
- Inspection, witnessing or non-conformance forms
- Level of details and importance to keep proper records
- How and when to issue site memos, and how to act on site memos

## **Part 3: Supervision of Typical Construction Works**

This session presents required and general supervisory requirements for various typical construction activities, including earthworks/excavations, foundation works, concrete construction, pre-stressing, steel construction and pre-fabrication.

### **Outline**

- Supervision of earthworks/excavations
- Supervision of foundation works
- Supervision of concrete construction
- Supervision of pre-stressing
- Supervision of steel construction
- Supervision of pre-fabrication
- Indirect supervision

## **Part 4: Safety Aspects of Construction Supervision**

Current industrial practice places a substantial portion of safety responsibility on site supervisors. Site supervisors should be able to identify safety from the following perspectives – self, workers, public, construction activities, structural works, project level. There is a duty for RE/RTO to report unsafe acts, being a representative of the QP(Sup) and for site supervisors to likewise do the same, being representative of the Builder.

### **Outline**

- Safety awareness – keeping eyes and ears open
- Duty to report and to take actions
- Frequency of safety meetings and safety inspections
- Coverage of safety
- Cross projects inspections (familiarity breeds contempt)
- Follow up actions
- DfS workshops attendance

## Speaker Profile



**Er. Yow Cheong Hoe** has more than 20 years of experience (more than 15 as a Professional Engineer) in the design, supervision, construction and contract management of construction projects, local and overseas. He has direct experience in civil & structural planning, analysis and design, construction support and project management including serving as the Superintending Officer or the SO Representative in his projects. He is also a Risk Assessment Manager (BizSAFE Level 2), an ISO Auditor, a Design for Safety Professional and a Qualified Erosion Control Professional.

He is well versed with design and supervision of reinforced concrete, pre-stressed concrete, structural steel, strutted and top-down excavations, fibre-reinforcement, bridges and tunnels (for roads, railways and utilities),

infrastructure (roads, drains, sewers, utilities), earthworks (land preparation) and master-planning. He spent more than two years in full-time supervision as Resident Engineer for the construction of the award-winning Keppel Bay Bridge, a cable-stayed bridge constructed over the sea. His supervision experience includes earthworks, reclamation works, bored piling on land and sea, short-line match-cast and long-line bridge segment pre-casting and installation, heavy lifting by cantilever gantry, traveling gantry and marine cranes, post-tensioned pre-stressing, stay-cables installation, pre-cast elements on buildings, steel structures, fibre-reinforcements, excavations and slopes.

Er. Yow was previously a design consultant with T.Y.Lin International and KTP Consultants (part of Surbana Jurong Group) and is currently the Commercial Engineering Director of Chye Joo Construction. He is actively involved in various engineering and social committees and activities.

## **Pre-requisites for Zoom session on 28 July 2022 from 3.00pm to 6.00pm**

Prior to attending this course, you should:

- Have a PC / laptop / tablet / smart phone with built-in or external webcam.
- Installed the Zoom client.
- Have Wi-Fi / high speed internet connection available.
- Receive an email with a link for you to submit a registration for webinar 1 week prior to the commencement.
- Receive an email with a link and password for you to join the webinar session after your registration is successful.
- ***It is recommended that participants join the course on a 12-inch or larger screen in order to view clearly the text and photos in the presentation materials.***
- ***ALL PARTICIPANTS ARE REQUIRED TO KEEP WEBCAM OR CAMERA TURNED ON DURING 3-hours of zoom, FAILING OF WHICH THE E-CERTIFICATE OF ATTENDANCE WILL NOT BE ISSUED and names will not be submitted to PE Board (if Attendees are Professional Engineers)***

## **Target Audience**

Consultant engineers & supervisors; Developers; Resident Engineer & Resident Technical Officer; Contractor PM, CM, site engineers & supervisors.

# Supervision of Construction in Singapore 4th Run

Date: 29 & 30 Sept 2022, Thursday & Friday  
Time: **29 Sept 2022 via Zoom**(Virtual) from 3.00pm to 6.00pm  
**30 Sept 2022 at Orchard Hotel Singapore(Physical) 9.00am to 6.00pm**

Address: Orchard Hotel Singapore, 442 Orchard Road, Singapore 238879

CPD Programme: 6 STU(Structural) & 2 STU(Safety) - Confirmed  
10 PDU(PEB & CEng) - Confirmed  
**This course DO NOT HAVE SDU Points**

Fees\*: \$374.50 (IES Members) \$428.00 (Non-Members)  
**(Please note Res/RTOs are registrars of IES but NOT members of IES)**

Please register online/email in the completed form by 13 Sept 2022 to:  
Karen Phua, [karen@iesnet.org.sg](mailto:karen@iesnet.org.sg)  
IES Academy@Jurong East, 80 Jurong East Street 21 #04-10  
Devan Nair Institute For Employment and Employability, Singapore 609607

**Important: All Attendees must be fully vaccinated in order to attend the physical course at hotel. There will be NO refunds of any course fees should the Attendee be denied entry to the hotel due to incomplete vaccination.**

## Participant Details

Name: \_\_\_\_\_ NRIC: \_\_\_\_\_

Company: \_\_\_\_\_ Designation: \_\_\_\_\_

Address 1: \_\_\_\_\_  
(For mailing of invoice and receipt)

Address 2: \_\_\_\_\_  
(For mailing of Certificate)

Tel: \_\_\_\_\_

Email: \_\_\_\_\_

Please indicate:  IES members IES M'ship No.: \_\_\_\_\_ P.E. No.: \_\_\_\_\_ (if applicable)  
 Non-members  Sponsored by company

## Contact Person Details (if different from participant)

Name: \_\_\_\_\_ Designation: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

## Payment Details

Bank / Cheque No.: \_\_\_\_\_ Amount(\$): \_\_\_\_\_

\* All Fees are inclusive of 7% GST\* Cheque should be made payable to: **IES Academy Pte Ltd**

## Acceptance of Terms and Conditions for Registrations of IES Academy's Events

I agree to abide by the Terms and Conditions for Registration of IES Academy's Events.

Name : \_\_\_\_\_ Signature: \_\_\_\_\_

## **TERMS & CONDITIONS COURSE REGISTRATION**

### **Registration**

Any registration, whether on-line or fax will be on a ***first-come-first-served basis*** and will only be confirmed upon receipt of full payment by Engineers Singapore Pte Ltd unless otherwise invoice to company.

All registrations must be submitted with duly completed registration form.

### **Closing Date & Payment**

The closing date of the event will be 2 week prior to event commencement date or earlier. Cheques should be crossed 'A/C payee only' and made payable to **'IES Academy Pte Ltd'**, with the ***Title of The Event indicated clearly written on the back of the cheques***, and submitted with the duly completed registration forms to:

**IES Academy@Jurong East**  
Devan Nair Institute for Employment and Employability,  
80 Jurong East Street 21, #04-10 Singapore 609607

### **Confirmation of Registration**

Confirmation of registration will be given at least 2 weeks before the commencement date via email. ***If you do not receive the said confirmation email, you are required to contact IESA at 6463 9211 during office hours.***

IESA reserves the right to allow only confirmed registrants to attend the Event.

### **Withdrawals/Refunds of Fees**

***Written notice at least 2 weeks in advance before the commencement of the event***

Full course fee shall be refunded subjected to 4.5% transaction charge.

➤ **NO** refund otherwise.

No show of participant would not be accepted as a valid reason for withdrawal/refund.

One time replacement is allowed only if written notice is received by us at least 1 week before the commencement of the event. However, when an IES member is replaced by a non-member, the participant has to pay the difference in the relevant fees.

### **Cancellation/Postponement**

Changes in Venue, Dates, Time and Speakers for the Events can occur due to unforeseen circumstances. IES reserves the full rights to cancel or postpone the Event under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if any Event is cancelled by IESA.

**UTAP (Union Training Assistance Programme)** is an individual skill upgrading account especially for NTUC members. As a member, you enjoy UTAP funding at 50% of the unfunded course fee capped at \$250 every year.

**SkillsFuture Credit (SFC)** "All Singaporeans aged 25 and above can use their \$500 SkillsFuture Credit from the government to pay for a wide range of approved skills-related courses. Visit the SkillsFuture Credit website ([www.skillsfuture.sg/credit](http://www.skillsfuture.sg/credit)) to choose from the courses available on the SkillsFuture Credit course directory."

Please visit [HERE](#) for more information on SFC & UTAP claim

### **PERSONAL DATA PROTECTION ACT**

I consent to the processing by Institution of Engineers, Singapore of personal data, including sensitive personal data as defined in the Data Protection Act 2014, about me for the proper purposes of Institution of Engineers, Singapore (IES). I undertake to observe the provisions of the Data Protection Act 2014 in relation to any personal data I may myself hold and process as a Members of Institution of Engineers, Singapore, and I agree to indemnify Institution of Engineers, Singapore from liability for any claims or damages that may arise from the processing of this data. For more information kindly refer to [here](#).

### **Enquiries**

For further enquiries, please contact IESA general office at Tel: 6463 9211.