

PROFESSIONAL CERTIFICATE

Understanding the Test, Erection & Safety Engineering Practice on Lifting Appliance & Gear

Introduction

Safety engineering has been one of the most widely discussed topics in Hong Kong not only in construction industry but also in operations and maintenance of building and facility management field. In order to promote safety and health information & knowledge sharing, enhance safety and health education & training, improve safety and health in engineering design practices and offer advisory services on safety and health matters. A series of safety engineering workshop and courses are launched to the HKIE members as well as other professional practitioners in the industry.

This course provides basic requirements designed to give the candidate a thorough grounding of the Law and standards relating to lifting equipment, understanding the statutory requirements for the inspection, rejection and the reporting of lifting equipment in service, conduct visual inspection of common use of lifting appliance and gear in construction industry. Upon completion of the workshop, learners shall be able to:

- a. manage testing and examination of lifting appliance and gear, make professional judgment on the safe or unsafe decision on testing items and to identify viable solutions to problems, and
- b. apply, evaluate and improve continuously their professional knowledge and practical skills in the working environments.

課程重點介紹起重設備和裝置的測試和搭建的操作，使學員能夠了解起重工作的法規和標準，包括建築業起重設備的測試、報告、目視檢查和工程運作。

- a. 管理起重設備和裝備的檢測和檢查，對測試項目的安全或不安全決策進行專業判斷，並確定問題的可行解決方案；
- b. 應用、評估和持續改工程人員在工作環境中的專業知識和實踐技能。

Content

- ◇ Laws and Regulation related to the Lifting appliance and lifting gear
- ◇ Standards and COP on cranes ,lifting appliance & gear
- ◇ Usual Rigging and testing methods
- ◇ Use of testing equipment and their limitation
- ◇ How to plan a lifting operation and write lifting method statement
- ◇ Case Studies on the failure of Lifting Appliance
- ◇ 起重機械和起重設備的法規
- ◇ 起重機，起重機械和設備的標準和作業手則
- ◇ 常用的索具和測試方法
- ◇ 使用檢測設備及其限制
- ◇ 如何規劃起重作業和書寫作業方案
- ◇ 起重失誤案例研究

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Organiser The Hong Kong Institution of Engineers - Safety Specialist Committee
and
Social Resources Development Institute

*Remark: HKIE-SSC is one of the leading professional and learning organisation in promoting safety engineering;
SRDI is a well-known professional training institute operates engineering and management courses in Hong Kong and Macau.*

Target Engineers of all disciplines, Construction Managers, Construction Engineering Professionals and OSH Practitioners.

Venue Unit 278, Houston Centre, 63 Mody Road, TST East

Schedule 22 Oct (Mon), 25 Oct (Thu), 26 Oct (Fri) & 29 Oct 2018 (Mon)
at 7-10pm [total 12 hours]

Language The course will be conducted in Cantonese mainly, with handouts in English

Award Certificate will be awarded jointly by HKIE-SSC and SRDI to the participants who have attended the class of not less than 70% and passed the quiz.

Fee HK\$ 2,400

Enrolment Please contact:
Social Resources Development Institute (SRDI)
Unit 278, Houston Centre, 63 Mody Road, TST East
Tel: 23983885 Web: www.srdi.hk Email: office@srdi.hk

Trainer:

Ir Ernest C.F. Hung (洪俊鋒 工程師)

Ir Ernest Hung, Manager-Project Safety of MTR Corp. Ltd, Registered Professional Engineer, Chartered Safety & Health Practitioner and Chartered Fellow of IOSH, he has more than 30 years of experience in the field of safety, welding, NDT and particular in the expertise on the testing and examination of LA&LG. Ernest has served for the Expert Witness in court on the cases related to LA&LG during his career; he was the Past Chairman of the IOSH (Hong Kong Branch), past committee's member of HKIE divisions and is an active Technical Assessor for The Hong Kong Accreditation Service (HKAS).

During his leisure time, Ernest teaches engineering and safety course on testing and examination of lifting appliance & gear, suspended working platform, builder's lift.... in universities, CIC training centre and training institutions.