Public Utilities Board

Introduction of Online Submission System for Licensed Plumbers

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Institution of Engineers, Singapore

An Overall View of Procurement of Construction Project by Awarding a Design-and-build Contract and its Common Pitfalls

For some years, major players of the construction industry and government agencies in Singapore having interest in construction projects had been promoting and even taking a lead in procuring construction projects by awarding design-and-build contracts in lieu of by first hiring professional consultants to prepare project designs and then awarding a construction-only contracts to contractors. The speaker of this short course believes that the aforesaid organizations did so possibly because; they had suffered enough in the past, especially financially, the costly consequences of their professional consultants unduly delaying the supply of necessary information to contractors to enable the latter to carry out construction works as pre-scheduled and without uncalled-for interruption and delay. Hence, they turned to hiring a single entity to design as well as construct their projects or awarding design-and-build contracts for project delivery. It is unfortunate that many of them did so without fully realizing and appreciating the pros and cons and the primary objectives intended to be achieved for doing so. They simply jump on the bandwagon or just follow the crowd. The worst is that some even believe that awarding design-and-contract is a be-all and end-all vehicle of delivering construction projects. They also prefer to shut their eyes to many problems that could often arise when doing so. It has been proven such intended ignorance had cost the construction industry dearly. It is therefore felt that in order to enable contracting parties to enjoy the true benefits of project delivery by awarding a design-and-build contract as well as to forewarn the common pitfalls thereof, a better understanding thereof should be established, and the pros and cons of doing so should be thoroughly recognized and appreciated. This course is conducted with the view to achieve the aforesaid objective.

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

Date and Time
6 Dec 2016 to 6 Dec 2016
9am - 5pm
6 December 2016

Contact Details
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Institution of Engineers, Singapore

Formwork Design and Safety with Code of Practice SS580:2012

Formwork structures have always been a highly hazardous item in the construction industry. Recent failures of formworks in Singapore have raised considerable alarm in the industry, the government and the public. This one-day course on formwork design and safety to revised standards and EuroCode aims to address this critical concern, not only of the authorities but also of builders, contractors, and developers, by accomplishing the following: Provide background to this critical topic in workplace safety Review a number of failures of formworks in Singapore and abroad to convey understanding of causes Discuss techniques to identify and evaluate the hazards, and manage the risks Provide useful information on revised standards in this area Describe significant parts of the new Code of Practice for Formwork SS580:2012 to facilitate its use by designers and contractors The focus will be on basic concepts and procedures currently in use for formwork in the construction industry. In addition, the critical aspects of formwork design with the recently increased factor of safety will be covered. Objectives will include identification of principal contributory factors to formwork failures and their
underlying root causes, and discussing how the new Code can eliminate or alleviate the problems.

### Institution of Engineers, Singapore

#### Design for Safety Appreciation Course

**Venue**
IES Academy@Jurong East, Devan Nair Institute For Employment and Employability, 80 Jurong East Street 21, #04-10 Singapore 609607 (Near Jurong East MRT)

**Date and Time**
13 Dec 2016 to 13 Dec 2016
0900 to 1300
9am to 1pm
13 December 2016

**Contact Details**
Contact Person: Christine Lau
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The Design Phase is the earliest opportunity to incorporate Safety into a construction project. Just as productivity can be enhanced with early planning, so is the greatest impact for safety. Designing for safety starts at the conceptual and planning phases of a project with collective and conscious decisions by stakeholders about the design, methods of construction and later demolition, and also the materials used which enhance the safety of the building or structure. In 2008, WSH Council launched the Guidelines on Design for Safety in Buildings and Structures, followed by the DIS Coordinator Course in 2010. In addition to building DIS capabilities of stakeholders, WSH Council has developed the DIS Recognition Scheme which was launched in 2011. Consisting of the DIS Mark and DIS Award, the Scheme aims to recognise competent and outstanding projects that have addressed risk through design and hence ensure safe & timely completion of the project.

#### One Day course on Infrastructure Planning for Township/Large-scale Housing Developments

**Venue**
IES Academy@Jurong East, Devan Nair Institute For Employment and Employability, 80 Jurong East Street 21, #04-10 Singapore 609607 (Near Jurong East MRT)

**Date and Time**
13 Jan 2017 to 13 Jan 2017
0900 to 1700
9am to 5pm
13 January 2017

**Contact Details**
Contact Person: Christine Lau
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Fax: 6563 6030

Importance of infrastructural provisions in support of township/ large-scale housing developmentsIn any large-scale public or private housing developments, physical infrastructure such as earthworks, roads, drains, sewers and utilities, are critically needed not only to enable the physical development of but also support modern community living in the new housing estates. In fact, no development can function properly and effectively without the timely provision of adequate infrastructural facilities and public utilities.Comprehensive and well-coordinated Infrastructure planning is a prerequisite in developing a new town or housing estate and is carried out in tandem with the master town planning and well in advance of any physical developments. It serves to establish the full infrastructure requirements and guide their timely implementation thereby ensuring quality, efficiency and cost-effectiveness in the infrastructure provisions for the proposed development.

#### Design for Safety for Professionals (DfSP) (Two day DfSP Certifiable Course)

**Venue**
IES Academy@Jurong East, Devan Nair Institute For Employment and Employability, 80 Jurong East Street 21, #04-10 Singapore 609607 (Near Jurong East MRT)

**Date and Time**
23 Feb 2017 to 24 Feb 2017
0900 to 1700
9am to 5pm
23 & 24 February 2017

**Contact Details**
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Fax: 6563 6030

This Competency Requirement document specifies the performance criteria, underpinning knowledge, range and context for the design, training and assessment of the Design for Safety Professionals (DfSP) Course. Learners of this course will gain the knowledge and skills for fulfilling the roles of the construction in accordance with the Guideline on Design for Safety and Health in Buildings and Structures.