EMBRACING NEW CHANGES OF THE CONSTRUCTION INDUSTRY

(SPM CPD: 4 POINTS / PEB: and BOA PDU to be Advised)
Accredited by PE Board and Board of Architects CPD Programmes

Synopsis

The construction industry is undergoing a critical phase of reinventing itself in its drive to improve productivity and greater efficiency to deliver projects with lesser manpower, shorter timelines, tighter budgets and high expectations on quality and innovation. These challenges have led to increasing demands on Project Managers to acquire deeper understanding and stronger knowledge on newer building codes and techniques to remain relevant at the forefront of their projects and industry.

In the inaugural segment of the SPM-UniSIM Professional Talk Series, SPM and UniSIM have invited Associate Professor Tan Teng Hooi to give colleagues of the industry an insight on the upcoming changes and impact of Eurocodes on the construction industry, and Mr Ng Chin Sin to share on the finer points on managing precast for projects.

Understanding the Change and Impact of Eurocodes on the Construction Industry in Singapore

BCA has introduced the Eurocodes, one of the world’s most advanced and established building codes, and as from April 2013, has allowed building professionals to submit the structural plans of a building using the code. On 1 April 2015, BCA will withdraw the current codes - which are based on the British Standards - from use. The Eurocodes will replace them as Singapore’s prescribed building codes for structural design.

This talk aims to prepare project managers for the change in the building code. The essential differences between the current British Standards and the Eurocodes will be explained and the impact of the change to the construction industry will be discussed.

Precast Management in Projects

In the drive towards higher productivity in construction industry, the International Panels of Experts (IPE) for BCA Construction Productivity and Prefabrication Technology has identified the adoption of precast concrete technology as one of the key area of focus for improvements.

Tiong Seng Contractors has started on the precast journey more than 10 years ago. Over the years, precast technology has become a key competency that is implemented across all projects. Embracing precast technology has allow the company to adopt “scaffold-less” construction with manpower reduction, better quality finishes as well as faster floor to floor cycle time. With the further development of the precast technology, Tiong Seng has managed to overcome complex projects with challenging facades. With the commissioning of the semi-automated prefab hub, Tiong Seng has achieved even higher productivity with lesser reliance on foreign workers.

In this presentation, Mr Ng Chin Sin will share on the approach of precast management as well as the critical success factors behind precast based projects. He will also touch on ways and tips to improve project management skills by tapping on the resources and new technologies in the current productivity driven construction industry.
About the Speakers

Associate Professor Tan Teng Hooi is the Head of the Building and Project Management Programme in UniSIM. He is a Chartered Engineer and Professional Engineer. In his more than thirty years of engineering career, he has worked in the academia where he lectures, conducts research, provides consultancy especially in the field of concrete and structural engineering, and in the industry as a practitioner. He has served in many technical committees on standards in SPRING Singapore relating to the construction industry including as a member of SPRING, Singapore’s Technical Committee on Building Structure and Sub-structure wherein he also serves as a Convener, on the adoption of Eurocode 0 and Eurocode 1 in Singapore and member of the workgroup for Eurocode 2. He was a council member in the Institution of Engineers Singapore and a Board member in the Professional Engineers Board Singapore. He is also a member of the Engineering Accreditation Board, the Disciplinary Panel in the Council for Estate Agencies and the Inquiry Panel under the Legal Profession Act.

Mr. Ng Chin Sin has 10 years of experience in the field of project management and was involved in the development of high end private condominium, where he gained extensive know-how on the usage of precast technology and advanced formwork systems to produce quality works. Through his years in the construction industry, Chin Sin has accumulated vast experience in precast management from its initial planning, implementation till the execution in construction sites.

Particulars of Professional Talk

Venue : 461 Clementi Road Singapore 599491
        UniSIM Campus, Block A, Lecture Hall LT A.4.05
Date : 22 January 2015
Time : 1900 to 2100hrs
       Registration and Light Dinner will commence from 1800hrs
Cost per pax : SPM Member & UniSIM Staff $30
               CIJC Member (CIJC M) $40
               Non-SPM Member $50
               SPM Student Member $10

Please return the reply form with remittance not later than 5pm on 12 January 2015