

ANNEX: OVERVIEW OF SCPW 2016



Singapore Construction Productivity Week

'Transforming the way we build through innovation'

The **Opening Ceremony of the 6th SCPW** will be held on 18 October 2016, during which the **BIM Awards (Project level)** will be presented.

Anchor Events

- **BuildTech Asia (BTA) 2016** is a three-day trade exhibition organised by Sphere Exhibits, a subsidiary of Singapore Press Holdings. It is the region's leading tradeshow that focuses on productive and smart technologies addressing the challenges across the value chain in the built environment sector in Asia. **Guided tours at the BTA** will be organised for industry leaders, public agencies and students from Institutes of Higher Learning.
 - The BCA Pavilion at the BTA will feature productive and innovative showcases that chart the latest developments in the transformation of the construction industry into one that is productive and innovative. This year, BCA will also be partnering other agencies to showcase government's effort in driving productivity.
- The **Skilled Builders Project** is a platform for industry practitioners to display their skills in handling cross laminated timber (CLT) and glued laminated timber (Glulam).
- The **Build Smart Conference** is a two-day conference which provides a platform to share ideas and technologies to advance construction productivity, targeted at industry practitioners. Topics on DfMA, lean construction and VDC/BIM will be covered.
- The **Experiential Workshop** features an experience sharing session including site visits to local projects adopting game changing technologies.

New Event

- The inaugural **SCAL Productivity & Innovation Awards (PIA) Competition 2016**, which is a ground-up initiative by SCAL, is an open competition for industry firms to showcase their innovative ideas. Winners will receive their prizes at the **SCAL Conference**.

Institutes of Higher Learning (IHL) Events

- The **Productivity Challenge & Productivity Race** aim to engage Institutes of Higher Learning (IHL) students on construction productivity concepts.
- The **Productivity Guided Tours and Workshops** are catered to reach out to the IHL students and lecturers to enhance their understanding on the built-environment industry.
- **International Building Information Modelling (BIM) Competition** - A competition targeting the tertiary students to demonstrate their BIM skills under the mentorship of industry practitioners.
- **BIM Shoot-Out** – A competition targeting IHL students to demonstrate their individual BIM modelling and documentation skills within a given time frame.

Other Events

- **International Panel of Experts (IPE) Meeting on Construction Productivity and Prefabrication Technology** comprising local and overseas experts to explore ways to further improve construction productivity in Singapore.

ANNEX B: HIGHLIGHTS AT BUILDTECH ASIA 2016

Productive technologies on show include BIM, Construction IT and DfMA.

Highlighted exhibiting companies include:

- CS Global Group, who will exhibit mobile technology to improve productivity at construction sites; DiHUB, who are introducing a BIM library of real building materials;
- Allanamics International for their StatRapid materials that are designed to replace the heavy concrete blocks which are stacked to test for pile capability, with a faster, lighter version; Peikko Singapore will exhibit a large selection of concrete connections and composite structures;
- Synergix Technologies on their software that is a facial biometric device which links to a payroll module;
- Halfen-Moment will showcase their HS Protect, an air drying coating that protects building materials during construction and transportation.

Some key highlights on building materials and architectural solutions include access and automation systems, hardware and tools, electrical and safety elements, alongside landscape, roofing and façade materials. A dedicated showcase of quality finishes will be presented in a unique way that illustrates how, for example, architectural coverings, ceiling systems, doors and windows, lighting, walls, partitions and flooring systems can be applied.

Highlighted exhibiting companies include:

- Eastern Pretech, who will exhibit their precast pre-stressed hollow-core slab, which can be used for a wide range of applications requiring floor or roof systems in residential, institutional, commercial, industrial or construction projects.
- Splice Sleeve, for their butt-splicing reinforcing bars system which is used throughout the world for connection of rebars in the precast building method as well as for cast-in-place method. When tested with Splice Sleeves, full-size, precast column-beam members show if the connections are equal or superior in both structural strength and ductility to monolithically poured concrete columns.
- USG Boral will showcase their USG Boral Logix™ Integrated Ceiling System.

Key exhibitor highlights from on-site construction machinery and equipment are:

- Terra Lite which will be displaying their 1 tonne overhead travelling crane, which is powered by software based Intelligent control systems and its standard model comes with 18 intelligent features include anti-sway, anti-overload, anti-side pull.
- ACME Equipment Pte Ltd
- Hebei Jinbiao Construction Materials Pte Ltd

BuildTech Asia 2016 has earned increased regional support this year from South East Asia's building and construction sector. As in previous years, local and international associations have embraced the opportunity to collaborate with BuildTech Asia 2016 to network with industry colleagues in pursuit of their business goals. This year, the Association of Industrial Engineering and Management Industry of Indonesia (ISTMI); Association of Property and Facility Managers, Building Owners & Managers Association, Indonesia, Construction Industry Joint Council; The Institution of Engineers, Singapore ; Indonesia Engineers Association ; International Powered Access Federation; National Association of Indonesian Consultants ; Jakarta Chamber of Commerce & Industry, Malaysia Heavy Construction Equipment Owners Association; Master Builders Association of Malaysia, Renovation and Decoration Advisory Centre (RADAC); Real Estate Developers' Association of Singapore; Royal Institution of Chartered Surveyors (RICS); Singapore Contractors Association Ltd (SCAL); Singapore Cranes Association; Singapore Institute of Building Limited; Singapore Institute of Surveyors & Valuers; Singapore Institution of Safety Officers; Singapore Manufacturing Federation; Society of Project Managers Singapore, The Institution of Engineers, Malaysia, Vietnam Ceramic Association, Vietnam Electronic Industries Association, Vietnam Federation of Civil Engineers Association and Workplace Safety and Health Asia are supporting BuildTech Asia 2016.

Co-located Conferences & Activities at BuildTech Asia 2016:

1. Organised by Homdex and Sphere Exhibits in conjunction with BuildTech Asia 2016, the Building IoT Exhibition takes place from 18 – 20 October and will feature a dedicated pavilion consisting of companies showcasing IoT platforms, IoT applications, devices and services;
2. The B-IoT Asia Conference features local and international experts who discuss safety and security, big data and analytics, and how to use IoT to achieve operational efficiency in bulidings