



MEDIA RELEASE

Spearheading SMART Building & Construction through Digital Transformation & Productive Technologies

Singapore, 13 September 2016 – The sixth edition of BuildTech Asia returns from 18 to 20 October 2016 to further address the needs of an evolving built environment sector in the region. Organised by Sphere Exhibits and hosted by the Building and Construction Authority (BCA), BuildTech Asia is held in conjunction with the Singapore Construction Productivity Week (SCPW) 2016.

The SCPW brings together developers, architects, consultants, builders and suppliers to exchange ideas on construction productivity, new productive technologies, best practices and success stories. Themed ‘Transforming the Way We Build through Innovation’, this year’s SCPW will facilitate discussions on Design for Manufacturing and Assembly (DfMA), raising the quality of the workforce and improving integration in the construction value chain, to drive a quantum leap in construction productivity.

“The next phase of advancement in the built environment sector will require changing the way we build. We need to move the built environment sector towards wider adoption of the Design for Manufacturing and Assembly (DfMA) approach, which means moving as much on-site construction works to off-site factory prefabrication as possible. By doing so, we can reduce our reliance on labour through higher degree of automation, minimise the impact on the surrounding neighbourhood, reduce wastage of resources during construction, as well as create more conducive and safer workplaces. The quality of our buildings and infrastructures will also improve as we move towards more prefabrication,” said Dr John Keung, CEO of BCA.

Some 150 exhibiting brands will be showcasing a range of productive technologies, building materials and architectural solutions as well as quality finishes, alongside staple exhibits from construction machinery and equipment at the BuildTech Asia to over 6,000 visitors from Asia and around the world. In addition, eight country pavilions from China, Indonesia, India, Malaysia and South Korea will showcase technologies that address the challenges of building and construction across different vertical industries.



In Singapore, the average construction demand is expected to be sustained between \$26 billion and \$35 billion in 2017 and 2018, and \$26 billion to \$37 billion in 2019 and 2020. The integration of technology into buildings has contributed an increase of 3.8% in building function productivity. In view of this, BuildTech Asia 2016 aims to equip builders and architects with new insights on smart building and construction methodology in addition to cost savings from facility design, construction and operations, which are creating sustainability in buildings through increased efficiencies.

Mr Chua Wee Phong, Chairman of Sphere Exhibits Pte Ltd, says “Technology has significantly impacted the built environment sector in Singapore and around the region. Over the years we have strengthened our partnership with BCA to assist companies in this industry to keep abreast of the latest technological developments in productive technologies through the deployment of smart building materials and turnkey solutions. We are very pleased to reintroduce architectural solutions and a showcase of quality finishes this year. To further equip the industry, we are proud to be the first to introduce a segment of Building-IoT as well as a dedicated conference to further to assist industry practitioners to cope in an increasingly complex and interconnected environment whilst developing their expertise.”

Paving the way for Building-IoT for the Region

Asia has the world’s largest building technology market – its projected value is US\$1036 billion by 2020 – and opportunities are growing for technology applications in the built environment sector. To facilitate construction demand of smart cities, BuildTech Asia 2016 will showcase a dedicated pavilion showcasing the latest cutting edge technology for building construction, including a holistic exhibition of Internet of Things technology for buildings.

As the focus of governments and industry stakeholders shifts to that of integrating infrastructure in a manner that facilitates Internet of Things (IoT) adoption, the inaugural [Building-IoT Asia Conference 2016](#) will help participants comprehend the role of the construction industry in creating Smart Cities.

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; Wired and Wireless communications and network solutions; including 5G and Giga Internet options; Smart home building controls for lighting, facilities, sunshade, telecommunications, energy management, building security and parking; Sensors and components; Smart home appliances; and Smart City options for transport, clean energy, urban planning, disaster management, water and waste management, security and safety.

The B-IoT Asia Conference features international experts, along with speakers from across Asia, who will tackle topical issues such as safety and security, the application of big data and analytics in buildings and discuss the impact of the smart ecosystem on design and building standards. Deliberations as to the changing expectations of sustainability, the rebalancing of objectives to attain operational efficiencies and how to increase the satisfaction and experience of the occupant of a building will also take place. The conference will wrap with an exploratory session of the future of building IoT, touching on real estate information systems and cybersecurity.

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 enjoy abundant opportunities 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; IFMA Singapore Chapter, 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:

The Singapore Contractor's Association and SCAL Academy, with the support of Sphere Exhibits and Singapore Workforce Development Agency (WDA), will run a one-day conference, the [Environment Sustainability Conference 2016](#), themed "Building Sustainably". The conference will highlight topics from sustainable designs and practices to improve energy efficiency and the use of green building materials, to facilitate discussions about industry trends and green best practices that can lead to cost efficiency and environmental benefits.

SCAL Innovation & Productivity Awards

The inaugural SCAL Productivity and Innovation Awards (PIA) 2016 is an industry initiative to raise productivity in the construction sector through a ground-up approach for innovative ideas. The competition will provide a platform for companies to step up productivity efforts through the involvement of all levels of staff to propose projects, products or process changes that will result in significant improvements in their workplaces.

Supported by the Building and Construction Authority (BCA) and the Housing and Development Board (HDB), construction companies are invited to submit applications where judges will select the top few innovative ideas to be showcased for public voting at the BuildTech Asia 2016. Winners will receive cash prizes, a plaque and recognition at the Awards at the SCAL Conference.

Helpful Links

Please refer to [Annex A](#) or visit www.scpw.sg for more information on Singapore Construction Productivity Week

For more information on BuildTech Asia 2016, please visit <http://www.buildtechartasia.com/>

To learn more about the B-IoT Conference, please visit <http://www.buildingiotasia.com>

For more information on the SCAL Environmental Sustainability Conference, please visit <http://www.scac-academy.com.sg/seminars/oct-20-environment-sustainability-conference-on-think-green-build-green-830am-445pm>

Issued by Singapore Press Holdings Limited (Co. Registration No. 198402868E)



For media enquiries, please contact:

Sphere Exhibits Pte Ltd

Rabita Jamal
Senior Manager, Trade Marketing
Sphere Exhibits Pte Ltd
DID: +65 6319 1675
Email: rabitaj@sph.com.sg

Vanni Cheong
Assistant Manager, Corporate Communications &
CSR
Singapore Press Holdings
DID: +65 6319 1553. HP: +65 9617 4713
Email: cvanni@sph.com.sg

About BuildTech Asia 2016

Hosted by Building Construction Authority of Singapore (BCA), and held during the Singapore Construction Productivity Week (SCPW), BuildTech Asia 2016 is now into its 6th edition focuses on technologies that address the challenges of building and construction across different vertical industries. BuildTech Asia 2016 is 3-day trade event dedicated to make a difference to the future of the industry.

For more information, please visit www.buildtechasia.com

About the Singapore Construction Productivity Week (SCPW)

Organised by the Building and Construction Authority of Singapore (BCA), the Singapore Construction Productivity Week (SCPW) is an industry hallmark event for developers, architects, consultants, builders and suppliers to exchange ideas on construction productivity, as well as share the latest developments in new productive technologies, best practices and success stories. Held from 18 – 21 October 2016, key events this year include the BuildTech Asia Exhibition, Build Smart Conference, Skilled Builders Project, inaugural SCAL Productivity Innovation Competition and Awards, Experiential Workshop, as well as the Productivity Workshop, Productivity Challenge and Productivity Race to engage tertiary students on construction productivity concepts.

For more information, please visit www.scpw.sg

About Sphere Exhibits Pte Ltd

A wholly owned subsidiary of Singapore Press Holdings (SPH), Sphere Exhibits, which stands for "SPH Events, Roadshows and Exhibitions", aims to be the leading events company catering to a diverse mix of trade and consumer clientele. Backed by a committed and experienced team of professionals and SPH's comprehensive range of media platforms, Sphere Exhibits' shows, events and exhibitions centre on unique concepts that attract local audiences and regional participants. Among the 20 Sphere Exhibits' events are The IT Show, COMEX, Licence2Play, Asian Masters and Kidz Academy. Leveraging on its expertise in event conceptualisation, planning and execution, Sphere Exhibits delivers memorable and quality events that meet the objectives of its clientele and partners.

For more information, please visit www.sphereexhibits.com.sg



About Singapore Press Holdings Ltd

Incorporated in 1984, main board-listed Singapore Press Holdings Ltd (SPH) is Asia's leading media organisation, engaging minds and enriching lives across multiple languages and platforms. SPH has 19 titles licensed under the Newspaper Printing and Presses Act, of which nine are daily newspapers across four languages. On an average day, 3.05 million individuals or 76 per cent of people above 15 years old, read one of SPH's news publications. Beyond print, SPH's suite of digital products includes online editions of newspapers and magazines, as well as mobile applications. Our online products enjoy 360 million page views with 23 million unique browsers every month. Other new media initiatives include AsiaOne, omy.sg, ST701, Stomp and SPH Razor. SPH has also ventured into book publishing, broadcasting, out-of-home advertising and properties.

For more information, please visit **www.sph.com.sg**



ANNEX A: 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 Events

- 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.

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;
- Allnamics 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 will showcase their VSE500 system which enhances productivity and improves efficiency. The VSE500 can mix and convey sand and/or mortar materials for hundreds of metres, allowing for the transfer of materials to locations that may have difficult access. Driven by an environmental friendly electrical motor, which produces no pollutants, the VSE500 features pneumatic conveying of materials which enables zero wastage of materials so that the construction site can be green and achieve productivity.
- Hebei Jinbiao Construction Materials (Singapore) Pte Ltd, a multimillion dollar Chinese manufacturer, provides products such as mesh fencing, noise reduction products and gabion to several government agencies in Singapore including HDB, LTA and URA.

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 buildings