BuildTech Asia 2017
International Building Technology Expo
A part of SINGAPORE CONSTRUCTION PRODUCTIVITY WEEK 2017

24 - 26 October 2017 | Singapore EXPO Hall 3 & MAX Atria

REINVENTING SMART BUILDING & CONSTRUCTION THROUGH TECHNOLOGY

SHOW PREVIEW
Visit www.buildtechasia.com to pre-register now!
Singapore Construction Productivity Week

Organised by the Building and Construction Authority of Singapore (BCA), with Sphere Exhibits as the Strategic Partner, Singapore Construction Productivity Week (SCPW) convenes international and local industry experts, policy-makers, developers, architects, engineers, builders, contractors, academics, and members of the public and students as a key annual event to enhance productivity in the built environment.

In its 7th year running, SCPW 2017 will feature a multitude of co-located events and activities during the week, offering participants great opportunities to network with the industry stakeholders.

SCPW 2017 will officially be launched on Tuesday, 24 October 2017.

Follow the trail of productive technologies and processes at

SCPW will focus on 3 main areas of technologies and processes identified to play important roles in transforming construction productivity through the use of prefabrication, information technology and smart construction materials or equipment.

Log on to www.scpw.sg for more information

1. Design for Manufacturing & Assembly (DfMA)
   - Productive Structural Systems
   - Productive Architectural Systems
   - Productive M&E Systems

2. Integrated Digital Delivery (IDD)
   - Virtual Design & Construction (VDC) and Building Information Modelling (BIM)
   - Construction IT

3. Mechanisation & Automation

PUBLIC SECTOR CO-ORDINATED PAVILION

Themed “Embracing Innovation, Building Our Future”, the Public Sector Co-ordinated Pavilion at BuildTech Asia 2017 will feature productive and innovative initiatives and technologies that will help to change the way we build, focusing on Design for Manufacturing and Assembly (DfMA), Virtual Design and Construction (VDC), Integrated Digital Delivery and R&D.

The Building and Construction Authority (BCA) will be collaborating with other government agencies to host the Pavilion – with interactive exhibits to show how bringing more work off-site and utilising 3D immersive visualisation tools allow for faster, safer, cleaner, and leaner building construction, as well as a display of innovative solutions and agencies’ productivity journeys.

PROTECH

The inaugural Productive Technology (ProTech) Pavilion will share with the industry the various productive MEP technologies in the market and how they can be integrated into a modular system, ProTech 2017 will showcase a live demonstration* of constructing building services, with pre-fabricated MEP modules.

* The live demonstration at ProTech 2017 will be a collaboration between BCA and Gammon Pte Ltd.
Engage in These Activities at Singapore Construction Productivity Week

**CONFERENCES & WORKSHOPS**

**BUILD SMART CONFERENCE**
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, productive construction methods and Virtual Design and Construction (VDC) will be covered.

**A REGIONAL PERSPECTIVE TO DfMA CONSTRUCTION**
The new, 'A Regional Perspective to DfMA Construction' will provide updates from Singapore firms and international delegations on the development of construction technology. It serves as a networking opportunity for Singapore firms and overseas delegates to build connection and explore business opportunities.

**EXPERIENTIAL WORKSHOP**
The Experiential Workshop features an experience sharing session including site visits to local projects adopting game changing technologies. Hear directly from the project teams on key challenges and success factors.

**IHL WORKSHOP**
The Productivity Workshop is a useful platform for students to hear first-hand from industry practitioners on construction productivity. This workshop is open to students and lecturers from Institutes of Higher Learning, including Universities, Polytechnics, BCA Academy, and Institutes of Technical Education.

**GOVERNMENT BIM SYMPOSIUM**
The Government BIM Symposium 2017 aims to serve as a platform for sharing and learning from various efforts of governments around the world in BIM implementation.

**BIM COMPETITIONS**

**INTERNATIONAL BIM COMPETITION**
The International BIM Competition is organised in conjunction with the Singapore Construction Productivity Week (SCPW) in 2017.

The competition this year aims to develop a concept design for partial redevelopment of the BCA Academy to support its expanding educational activities. The two redeveloped blocks will be able to host a minimum of 3,000 students with a maximum of 23,500sqm Gross Floor Area (GFA) including usable space, public circulation, and service area.

**NATIONAL BIM SHOOT-OUT 2017**
The National BIM Shoot-Out 2017 is organised in conjunction with the Singapore Construction Productivity Week (SCPW) in 2017. The competition this year aims to test skills and knowledge on identifying inter-disciplinary clashes, and on modelling proficiency in Architecture, Structural and MEP categories. This competition is open to all full-time students of all Institutes of Higher Learning (IHLs).

**IHL PRODUCTIVITY RACE**
The SCPW Productivity Race is an engaging and interactive one-day competition that aims to foster teamwork among students through game play. At the same time, it provides a platform for them to learn about the latest productive construction technologies adopted in the industry as well as on built environment careers. The competition has proven to be popular with students over the past few years, and is on its 5th run this year. The objective of the race is to allow students to learn more about productivity in the construction industry and the roles and job scopes of the built environment professions.
Dedicated to making a difference to the future of the industry, the 7th edition of BuildTech Asia 2017 returns to focus on SMART technologies and solutions that complement existing construction techniques within the built environment sector. Join us as we address the challenges of building and construction across different vertical industries.

BuildTech Asia - your gateway in Asia to meet a wide range of practitioners, technology experts, major industry players, traders and distributors from across varied segments in buildings, engineering, procurement and construction, research development and more!

Top 3 Reasons Why You Should Visit

1. To purchase/recommend purchase of products
2. To meet suppliers/buyers, establish new distribution channels/agents network
3. To gather and update technology and market information

Infrastructure – The Growth Engine of Tomorrow

Almost all Asian countries are expected to increase their budgets for infrastructure from 2015 – 2020 with an increase in construction spending of about 7%.

Integrating technology to achieve Building Function Productivity

The increase in building function productivity, due to integration of technology, will result in savings equivalent to the cost of the facility’s design, construction, operations and sustainment, through increased efficiency.

Snapshot of Asia’s Building Technology Market

The Asian building technology market could be valued as high as $1,036 billion by 2020, creating opportunities for development and adoption in the region.

JOIN US and meet others who are

Agents | Architects | BIM Managers | Builders | Building Contractors | Building Managers | Building/Property Owners | Civil & Structural Engineers | Civil Works Sub-contractors | Construction Engineers | Consultants | Consulting Engineers | Contractors | Engineers | Distributors | Facility Managers | Factory Owners | Fittings Consultants | Foundation Contractors | Government Officials | Head of Procurements | Interior Designers | Land Surveyors | Landscape Consultants | Main Contractors | Maintenance Contractors | Maintenance Professionals in Commercial and Residential Buildings | Manufacturers | Mechanical & Electrical Engineers | Procurement Executives and Traders | Project Managers | Property Developers | Quantity Surveyors | Real Estate Managers | Sub-Contractors | Suppliers & Traders | Surveyors | Urban Planners

*The above list is not exhaustive. It is intended as a guide only.
Exhibit Profiles & Showcase on the floor!

BuildTech Asia is proud to showcase an expansion of the core profiles of the event focused in Construction Machinery & Equipment, Productive Technologies, Building & Architectural Solutions and Interior Finishing!

**A.W. FABER-CASTELL (S) PTE LTD**

**Quality Finishes**

- **BINDERHOLZ**
  - Productive Technologies

**UHU DIY RANGE**

Professional Adhesives for the home. The DIY Range includes wood glues, construction glues and sealants, power and contact adhesives, super glues and hot melt glues.

**ACME EQUIPMENT PTE LTD**

Construction Machinery and Equipment

- **VSE 500 SAND/SCREED MACHINE**
  - Most suitable machine for mixing and pumping materials to difficult to reach locations for screeding works such as underground MRT stations and high rise floor areas. Huge mixing tank for bulk material mixing and conveying. Effectively reduces workers load and time needed for material mixing and transportation. The VSE 500 can help to improve job site efficiency by more than 100%.

**API PRECAST MARKETING SDN BHD**

Building Materials & Architectural Solutions

- **REINFORCED CONCRETE PILE**
  - API Reinforced Concrete Square Pile is manufactured under factory controlled conditions that are certified to MS ISO 9001 : 2008 by SIRIM QAS International Sdn Bhd. They are available in API Standard RC Piles and JK R Standard Class 1 Reinforced Concrete Piles and are designed in accordance with BS 8004 : 1986. The JK R Standard Class 1 RC Piles are manufactured in compliance with JK R standard drawing and specification, and are certified by IKRAM QA Services Sdn Bhd.

**AUTOESK ASIA PTD LTD**

Productive Technologies

- **BIM SOFTWARE**
  - Building professionals recognize that BIM can alleviate many of the business challenges they face by facilitating more effective collaboration and providing greater project insight earlier in the design and construction process. The BIM software package you select can make all the difference in the benefits you realize. The Architecture, Engineering, and Construction Collection from Autodesk a powerful portfolio of BIM tools that extends the power of BIM through interoperable software and services. Simply stated, Autodesk BIM gives you the power to do more.

**BINDTHERPES & SHOWCASE on the floor!**

- **CLT BBS**
  - CLT BBS has a multilayer construction made of solid wood. By bonding the longitudinal and transverse layers together, swelling or shrinkage is reduced to a negligible level. This means it can comfortably meet the requirements of a modern building material. BBS is monolithic with just 0.6% being environmentally friendly glue. It is able to carry high loads, fireproof, enables rapid construction without water and has sound and heat insulating properties, regulating the humidity of the air inside the building.

**ACME EQUIPMENT PTE LTD**

Construction Machinery and Equipment

- **CONCREMOT E**
  - Concrete is a digital, remote maturity sensor solution that operates in real-time and uses a portfolio of (reusable) sensor devices specially designed for construction industry. Through the measurement of concrete strength and temperature development, Concremote enables you to safeguard and optimise your construction process. It provides all-round optimized construction process with less environmental stress-less noise, logistic, cement and CO2 emission. Also, it has a well-established weighted maturity method with mobile communication technology. Heat development is recorded via sensors in the concrete and transmitted on-line to the data processing centre, where concrete strength is calculated through temperature development.

**ELID TECHNOLOGY INTERNATIONAL PTE LTD**

Productive Technologies

- **OUTOBOT - AUTOMATED CLEANING AND PAINTING SYSTEM**
  - OutoBot’s deployment includes automating the process of cleaning and painting of building façade. It is a specially designed automated gondola system to facilitate the façade cleaning and painting. The gondola is operated automatically with a wireless remote control to move freely from top to bottom and left to right and vice-versa. It has high pressure water jet and high volume paint application. The innovation aims to increase productivity, reduce reliance, enhance workplace safety, reduce material wastage and more.

**ESMO ASIA**

Building Materials & Architectural Solutions

- **XPM**
  - XPM is German product, who’s cutting accuracy is more superior than conventional methods. The cutter requires less human effort, thus reducing fatigue on the operator.

**GREAT EARTH PTE LTD**

Building Materials & Architectural Solutions

- **FLOORING SOLUTIONS, TOTAL POWER SOLUTIONS**
  - One of the services which Great Earth will be showcasing its capabilities in flooring solutions, in particular the supply of marble, granite, limestone, travertine, compressed stone, homogeneous tiles, porcelain tiles and ceramic tiles. In addition, Great Earth is able to undertake installation work for stones and tiles.

Greatesth’s booth will also feature its power solutions business, which involves providing total power solutions to industries that require emergency, immediate and uninterrupted power supply. Great Earth also supplies and provides rental of diesel power generators, loadbanks, transformers, power distribution panel and cable accessories.

**HARDWARE ONLINE**

Productive Technologies

- **GENERAL HARDWARE PRODUCTS**
  - We are offering a wide variety of categories comprising of more than 20,000 products to cater for different industrial needs.

**HEBEI JINBIAO CONSTRUCTION MATERIALS PTE LTD**

Construction Machinery and Equipment

**WIRE MESH FENCE**

Wire Mesh Fences are fast becoming the preferred method as countries shift their interest away from the traditional wall installation for premises security.

Wire Mesh Fences do not compromise the...
aesthetic side of a project as customisation of its wire thickness, mesh opening, wire finishing and others, contribute to the identity of any project. With the increased usage of fences at high-security facilities, Jinhia pledges to supply and install acceptable grades of wire fences to its clients in the Singapore market.

IMAX MODULAR PTE LTD
Productive Technologies

POPUP AND "SOLITAIRE" MODULAR HOME
The PopUp and "Solitaire" Modular Homes were conceived from ideals of modern construction quality living, and cost competitiveness. The modular concepts were meticulously designed and made possible by innovative connection systems to allow volumetric expansion from one unit to two.

The PopUp home can provide additional modules from one to two by lifting the upper module with the crane to form a double-storey apartment. "Solitaire" modular home transforms a single unit to double unit apartment by revolving the inner unit out creating additional living spaces. These unique modular concepts can also be stacked up vertically to form low rise apartments.

IMPER ITALIA SRL
Building Materials & Architectural Solutions

WATERPROOFING MEMBRANES
Imper Italia has been producing waterproofing systems since 1936. Our company specialises in the production of bituminous and synthetic membranes (TPV/FFA and PVC-P). We offer full service from design to waterproofing systems. Imper Italia membranes are suitable for all uses: waterproofing of roofs, hydraulic works, tunnels and underground works.

KHENG SUN HIRING EQUIPMENTS PTE LTD
Construction Machinery and Equipment

SHOT BLASTERS
Shotblasting is a type of surface preparation that is incredibly beneficial and necessary for many floor preparation situations. Contrary to popular belief, shotblasting is extremely easy to use. One of the most impressive things about a shotblaster is that just in one pass, you can see that the surface is prepped and ready to go for your next step. Visit us at our booth and we'll show you how easy it really is.

KOBLE CONSTRUCTION PTE LTD
Building Materials & Architectural Solutions

K-PAN
K-Pan is a lightweight concrete precast panel which is made up of expanded polystyrene and concrete. K-pan can achieve the following properties:

- Lightweight, density in 600kg/m³ – 1800kg/m³
- Good fire resistance up to 4 hours
- Good thermal insulation
- Good sound insulation
- High concrete strength (5MPa)
- Reduced damage due to earthquake

KONECRANES PTE LTD
Construction Machinery and Equipment

CXT EXPLORER
The CXT Explorer is a standard, new mobile industrial crane that can be taken almost anywhere - both outdoors and indoors. It can be assembled and ready to lift, in just a few hours.

With a lifting height of 5 meters and a span of 5 meters and can lift up to 6.3ton, there is plenty of room for most field lifting needs. Yet its compact size allows easy travel. The crane can be dismantled quickly, and the shipping containers that form its base double as storage for the crane components, service equipment, and spare parts.

LKH PROJECTS DISTRIBUTION PTE LTD
Productive Technologies

BUSBAR SYSTEM
Schneider Electric Busbar Systems allows maximum flexibility, ease of installation, whilst offering electrical efficiency in the distribution of low voltage power for both commercial and industrial applications. Busway installation is quick and easy, with its compact, lightweight and totally-enclosed design, for ease of handling.

We have a wide variety of busway components and plug-in units to ensure fast delivery.

MAKITA SINGAPORE PTE LTD
Building Materials & Architectural Solutions

CORDLESS ROTARY HAMMER
Makita DHR171 "one-Hand" cordless rotary hammer powered by 18V LXT Li-ion battery. Product features:

- Brushless motor, one touch sliding chuck for easy bit installation and removal.
- Two-mode operation namely Rotary only and Rotary hammer, an Electric brake as well as variable speed control by trigger. This product offers constant speed control with forward/reverse rotation. LED job light in a compact and lightweight design and vibration absorbing housing.

PATTON ENTERPRISE PTE LTD
Building Materials & Architectural Solutions

With various high quality finishes such as HDG, Stainless Steel 304/316, we provide a complete range of accessories to complement the support of the channels such as its brackets, pipe clamps, plate fittings, anchors, U bolts, cantilever brackets, pear bands, etc.

PEIKKO SINGAPORE PTE LTD
Productive Technologies

DELTA BEAM SLIM FLOOR STRUCTURE
Deltabeam is a structural slim-floor steel-concrete composite beam which is integrated into the floor. The beam is completely filled with concrete on-site. The infill concrete and Deltabeam form a composite structure after the concrete has hardened. It can be used with all common floor types.

PFE TECHNOLOGIES PTE LTD
Building Materials & Architectural Solutions

PERSEAL FR INTUMESCENT SEALANT
PERSEAL FR is a fire-rated intumescent acrylic sealant for passive fire protection in fire-rated applications. It cures to form a firm yet flexible seal to join a variety of materials and applications.

When exposed to heat, PERSEAL FR chars and expands, preventing the spread of heat, smoke, and fire through a joint.

RATEC ASIA PTE LTD
Productive Technologies

RATEGFORMWORK SOLUTIONS
RATEC formwork solutions for the concrete precast industry have long been recognised to have exceeded the world standard in quality and flexibility. With continuous research development efforts, RATEC’s magnetic formwork special mould system, has reached an unprecedented level in providing customised solutions to our customers worldwide. Features like the patented Upcrete technology has literally revolutionised concrete placement in precast industry, providing a unique solution for producing complex elements of the highest quality.

ROVISYS AS COMPANY PTE LTD
Productive Technologies

SYSTEMS INTEGRATOR
RoviSy is a leading independent provider of process automation solutions and services across a variety of industries and has provided automation and information solutions for many satisfied clients over 25 years. Led by an expert team of professionals with plant floor experience, operations, experiences, and process industry knowledge, RoviSy is confident in solving and supporting any process automation, manufacturing information and integration challenges.
Rubner Holzbau is part of the Rubner Group based in Central Europe. With 1,500 employees and production sites and subsidiaries in Italy, Austria, Germany, and France, Rubner has an annual turnover of about EUR 360 million.

Established in 1951, specialises in piping system material fabrication, manufacturing and importing exporting of products ranging from pipes and valves to special pipeline system, and control instrumentation.

Our products ranging from Precast Tunnel Segments, Segmental Box Girder, building products, Reinforced Concrete Jacking Pipes, RC standard products such as, box culverts, U-drains, or custom-made precast products, we designed products to suit customer's needs and special requirements.

Spiralite is a pre-insulated and pre-fabricated ductwork in Flat Oval and Circular using the highest polyurethane insulation foam available (Phenolic). It also has the highest fire ratings and characteristics and has been tested for non-hydrogen cyanide in a event of a fire. Phenolic foam has the lowest thermal conductivity among all insulation materials. Through our shape changing, we are able to achieve the lowest pressure drops. We have also a track record of being used in modular ME PPVC construction.

Splice Sleeve is a butt-splicing reinforcing bars system used throughout the world for connection of rebars in the Precast Building method as well as for cast-in-place method.

Full-size precast column-beam members with Splice Sleeves were tested to show the connections are equal or superior in both structural strength and ductility to monolithically poured concrete columns.

Synergy E1 ERP System
Synergy E1 Project Management is tailored to Singapore construction industry and conforms to Singapore Project Accounting standard. Synergy E1 Enterprise Resource Planning Solutions covers — from project tendering stage to customer and subcontractor claim and certification, consolidated project cost tracking, purchasing with inventory management and also encompasses flexible project billing process.

Our Project Management Software further allows the information to flow seamlessly between the head and project site to better achieve a higher success rate in project proposals, complete control with project costs that operate within budget, better allocation of employees, higher revenues and a smoother execution of projects.

The "TAC System Formwork" is a fast track, cost effective, formwork building system that has been widely used in the construction industry since the late 1980s.

The company supplies & installs P.E.B Panel (Noise Barrier) for construction sites, portable noise barrier, service and rental of scaffolding, materials, accessories and platforms as well as the installation of sound-proof walls, panels and supply of lifting equipment.
South Korea Pavilion

AJIN KSB CO LTD
Building Materials & Architectural Solutions

HYDRAULIC BREAKER & PARTS FOR HYDRAULIC BREAKER
Hydraulic Breaker uses hydraulic pressure continuously hitting such as rock and concrete. It is a crushing machine and mainly works on the excavators.

ALUMIZONE CO LTD
Building Materials & Architectural Solutions

CRASH BARRIER | FENCE | RAILING | GUARD RAIL
Alumizone is specialized in designing and manufacturing all kinds of handrails, fences and barriers. With the wide range of product line, we have been satisfying the various needs of customers. The crash barrier, AZB-01-01, has acquired CE mark for level N2 of EN1317-1&2 which is mainly installed on bridges and highways to prevent further accidents by absorbing the impact from a vehicle hitting the barrier. And the railings and fences are used for various purposes as from high security to aesthetic aspects. Our products are made of high strength aluminum which is strongly resistant to corrosion and endures almost permanently in any conditions.

BUILDCHEM CO LTD
Building Materials & Architectural Solutions

INNOVATIVE FLOORING SOLUTION HYBRID N-COAT
HYBRID n-COAT is an innovative, eco-friendly hybrid floor coating material which makes up for the weaknesses of former epoxy and polyurethane coatings. HYBRID n-COAT is a hybrid coating synthesized of inorganic components as main component and organic components as sub-component with molecular unit reaction. With far superior strength, abrasion resistance, and anti-stain properties compared to former epoxy and polyurethane coatings, HYBRID n-COAT is the ultimate solution for your flooring needs.

DAEKEUM GEOWELL CO LTD
Construction Machinery and Equipment

PORTABLE AUTOMATIC WHEEL WASHING SYSTEM | PIN & BUSHING | WASTEWATER CLARIFYING SYSTEM
Daekeum Geowell has developed wastewater clarifying system ‘CYCLEAN’ using the cyclone method and it responds that well to change clean water. Based on the cyclone method, the reaction time can be shortened effectively and the performance is also better than other ways.

Duckshin Housing Co Ltd
Productive Technologies

DECK PLATE / MANUFACTURE CONSTRUCTION
Deck plates are steel structural components used in building floors. When building a floor in the traditional manner, concrete is poured into formwork, which is a temporary wooden mold that is removed once the concrete is set. Now that deck plates have become available, all builders need to do is install deck plates. Applying deck plates can bring about a 40% reduction to the period, and also about a 25% and also reduction in the production cost. Major Products: ECO DECK Eco-friendly demoldable deck plates) | SPEED DECK (Best seller of integrated deck plates)

Ecoway Co Ltd
Quality Finishes

WATERLESS URINAL
ECOWAY has been specialized in environment-friendly business that focuses on energy saving restroom. Since South Korea is nominated the water shortage country, Ecoway has been working hard on developing and supplying eco-friendly waterless products under its vision of “The world will be changing with one urinal”. This eco-friendly urinal does not require any water to flush after urinating and it helps to keep the restroom under clean and neat conditions as well as block the back-flowing odor from a drain pipe.

FANZIC CO LTD
Building Materials & Architectural Solutions

VENTILATION FAN
Ventilation, blowing and air conditioning for every building, house, office, hotel, bathroom and living room.

INECO Co Ltd
Quality Finishes

IECO SOLID BLOCK
A product made with source technology using the functionality of natural porosity material. It improves the environment within the space through functions like purification of harmful substances in the given space, removal of stenchies, and moisture adjustment. Mosquito-proof functions, improved immunity, enhanced fire-proof functions and other additional functions are chosen and strengthened to maximize the characteristics of the space used.

POWER SILICON Co LTD
Building Materials & Architectural Solutions

IOT SMART EMOTION LIGHTING
IOT Smart Emotion Lighting adjusts the color and brightness of 16 million colors through Bluetooth communication. Control four bulbs per group at once. It is divided into Blub and Portable products and operates in the same APP.

SAMJIN STEEL INDUSTRY CO LTD
Building Materials & Architectural Solutions

SAMJ-R3 REMOVABLE GROUND ANCHOR
SAMJ-R3 is a removable temporary anchor used to stabilize earth-retaining structures for basement construction. SAMJ-R3 has the entire PC strand covered with HDPE coating so that the PC strand can be removed afterward, leaving no obstructions in the ground that will conflict with nearby underground developments in the future. With SAMJ-R3, the PC strand of installed anchors can be removed simply by rotating the PC strand without using equipment.

Sungwon Heavy Machinery Co Ltd
Construction Machinery and Equipment

MANUFACTURER OF AUGER MACHINES & DTH HAMMERS
Sungwon Heavy Machinery is a leading manufacturer of drilling equipment of Auger Machines & DTH hammers. Auger machines are to make down hole into soil strata with various construction method including DCM and DRA (Double Rod Auger), and DTH Hammers & Bits are to make down hole into soft to hard rock strata.

Zeomade Co., Ltd.
Building Materials & Architectural Solutions

SAFETY DOOR HINGE & DOOR HANDLE (IEDGE & IHANDLE)
General door is exposed to a risk of hand pinch due to gap between door frame and door. But ‘IDEGE’ can block the gap to prevent accidents. And the installation method is the same as general doors, there is no problem with installation. ‘IHANDLE’ is a product that satisfies both the door lock function and the fingers jam prevention function. It is free from noise and accidents caused by abrupt door closing.

INTECO SOLID BLOCK
A product made with source technology using the functionality of natural porosity material. It improves the environment within the space through functions like purification of harmful substances in the given space, removal of stenchies, and moisture adjustment. Mosquito-proof functions, improved immunity, enhanced fire-proof functions and other additional functions are chosen and strengthened to maximize the characteristics of the space used.
The Group Delegation Programme aims to enhance the experience for overseas and local groups and to help attendee groups achieve their business aims. Please contact zkbok@sph.com.sg if you belong to a federation, association or trade industry and would like to form a visiting group to attend BuildTech Asia and its associated activities at Singapore Productivity & Construction week.

Interested to Form a Trade Mission Group or a Visiting Group?

Overseas Delegation – 25 September 2017
Local Delegation – 13 October 2017

Email completed Group Delegation Form to Bok Zhi Kai with the subject title ‘BuildTech Asia 2017 – Group Delegation’ at zkbok@sph.com.sg

Plan early and enjoy these privileges!

- Exclusive invitation to attend BuildTech Asia Networking Events
- Official group photography session upon check-in at the exhibition
- Opportunity to sign up for site visits organised alongside BuildTech Asia
- Express visitor registration
- Free copy of the BuildTech Asia Show Directory
- Special rates apply for sign-up for conferences
- Customised business matching opportunities

Closing dates for Group Registration

Overseas Delegation – 25 September 2017
Local Delegation – 13 October 2017

BY INVITATION ONLY

Keen to expand your investment outlook in the region?

Central Jakarta Chamber of Commerce & Industry (KADIN), Myanmar Construction Entrepreneurs Association & Singapore Institute of Building Limited

Dedicated to business professionals who are keen to network with buyers and investors from around the region, this power-packed evening will not disappoint those who are keen to make a difference to their business endeavors.

Date: Wednesday, 25 October
Time: 7pm to 9.30pm

Limited Tickets are available for $80 (first-come-first-served basis).
For more information, please contact buildtechasia@sph.com.sg

Industry Association Networking Evening

Download Group Delegation Form at www.buildtechasia.com

Central Jakarta Chamber of Commerce & Industry
Johor Bahru Chamber of Commerce and Industry
University of Mercu Buana

Express visitor registration
Free copy of the BuildTech Asia Show Directory
Special rates apply for sign-up for conferences
Customised business matching opportunities

Plan early and enjoy these privileges!
The Build Smart Conference provides a platform for practitioners from different disciplines to gain insights of overseas and local advancement towards construction productivity, its technologies, processes and concepts, business case, as well as exemplary projects. Launched in 2011, the 2-day Build Smart Conference has been a key event of the annual Singapore Construction Productivity Week (SCPW), which is an industry-wide campaign to raise awareness in enhancing construction productivity.

**CONFERENCE HIGHLIGHTS**

The first day of the conference focuses on the various aspects of Design for Manufacturing and Assembly (DfMA), namely Mass Engineered Timber construction & Prefabricated Prefinished Volumetric Construction (PPVC). Innovative Technologies, and productive Mechanical, Electrical & Plumbing (MEP) system and methodologies will also be covered.

On Day 2, the conference centres on topics such as Virtual Design and Construction (VDC), Building Information Modelling (BIM) and Internet of Things (IoT).

**TARGET AUDIENCE**

Developers, Builders, Contractors, Consultants, Project Managers, Construction Managers

**CPD POINTS**

BOA-SIA: Pending (Must attend both days to qualify)
PEB: Pending (Day 1) / Pending (Day 2)
IES-ACES: Pending (Day 1) / Pending (Day 2)

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**DAY 1 CONFERENCE**

**Productivity, Innovative Technologies, Mechanical, Electrical & Plumbing**

24 October 2017 • 11am to 5pm
Max Atria @ Singapore Expo, Level 2
The Opening Ceremony will start at 9am.
All are welcomed.

**DAY 2 CONFERENCE**

**Digital Transformation, Internet of Mechanical, Electrical & Plumbing**

25 October 2017 • 9am to 5pm
Max Atria @ Singapore Expo, Level 2

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**Visit www.bca.gov.sg/events/scpw/buildsmart-conference.html for more information.**
The Built Environment Summit will bring together leaders and stakeholders across the built environment value chain to share perspectives on their respective roles as Singapore prepares for the future economy. With the theme “Construction in the Future Economy”, the Summit will cover key topics such as:

- Reshaping the mindset and technology for construction of the future
- International trends on construction robotics, smart cities and sustainability
- Transforming the construction industry for Singapore’s future economy

For more details, contact:
Ms Elene Yeo | Email: elene@scal.com.sg
Ms Tan Wei Xuan | Email: weixuan@scal.com.sg
Tel: 6793 9020      www.scal-academy.com.sg

Approved Accreditations: PDU – 3 Units
& CET – 4 Hours
Pending Accreditation: BOA-SIA

Programme

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<td>11.00 am</td>
<td>Current and Future Trends of Sustainable and Smart Cities</td>
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<tr>
<td>11.30 am</td>
<td>The Construction Industry Transformation Map</td>
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<td>12.00 pm</td>
<td>Built Environment Leaders’ Dialogue</td>
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<td>12.00 pm</td>
<td>Networking Lunch</td>
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<td>1.00 pm</td>
<td>End of Summit</td>
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<tr>
<td>2.30 pm</td>
<td>Guided Tour of BuildTech Asia 2017</td>
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</table>

Speakers

Keynote Address: Shaping the Future of Construction
Dr Michael Max Buehler, Head of Infrastructure & Urban Development, World Economic Forum

Robotics Transforms Construction and Built Environment
Prof Thomas Bock, Chair for Building Realisation and Robotics, Technical University of Munich

Current and Future Trends of Sustainable and Smart Cities

For more details, contact:
Ms Elene Yeo | Email: elene@scal.com.sg
Ms Tan Wei Xuan | Email: weixuan@scal.com.sg
Tel: 6793 9020      www.scal-academy.com.sg
The conference features discussions by leading women professionals from Australia, Philippines, Singapore and Thailand as well as female representatives from various government agencies. It will examine roles, responsibilities, challenges and personal journeys of women professionals in the industry, as well as various national initiatives to empower them to excel in the built environment sector. The event is supported by Building and Construction Authority (BCA), The National Association of Women in Construction (NAWIC) and the Australian Trade and Investment Commission (Austrade).

Date: Thursday, 26 October 2017 | Time: 9.00am - 4.00pm | Venue: Singapore EXPO, GHJK Room (Level 1)

Fees: $160.50 (Early-bird Rate till 6 October) | $214.00 (Conference Rate from 7 October)

Fees are inclusive of 7% GST. All fees stated include luncheons and refreshments. It does not include the cost of accommodation and travel.

**AGENDA**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9.00 am</td>
<td>Welcome Speech by Er. Emily Tan, Conference Organising Chairman</td>
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<tr>
<td>9.05 am</td>
<td>Opening Speech by Guest Of Honour (TBC)</td>
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</table>
| 9.15 am | Topic: Focus on How to Attract Women to Work in the Built Environment (TBC)  
Er. Grace Mui, Group Director, Manpower Strategy and Planning Group, Building & Construction Authority |
| 9.40 am | Coffee / Tea Break |
| 10.10 am | Topic: Women’s Competency in the Construction Sector  
Ms. Liza Ngaamtrakulpanit, Vice President Thai Contractors Association under H.M. The King’s Patronage |
| 10.35 am | Panel Discussion  
Topic: Women’s Involvement, Role and their Journey in the Construction Sector in the Various Countries: Challenges of a SMART Women and her Journey  
Moderator: Er. Emily Tan, Managing Director TSM Consultancy  
Panelist:  
- Ms. Liza Ngaamtrakulpanit, Vice President Thai Contractors Association under H.M. The King’s Patronage  
- Ms. Chan Hui Min, Director, DP Architect - Singapore  
- Ms. Juana T. Torrano-Tapel, Board of Agricultural & Biosystems Engineering Professional Regulation Commission, Republic of Philippines  
- Ms. Sheridan Ingram, Finance Manager, John Holland  
- Ms. Kylee Schoonens, Director, Fratelle Group |
| 11.15 am | Lunch & Tour of BuildTech Asia 2017 Exhibition @ Singapore EXPO, Hall 3 |
| 1.25 pm | Topic: Creating Change: How Design And Innovation Brings Opportunity  
Ms. Kylee Schoonens, Director, Fratelle Group |
| 1.50 pm | Topic: JTC’s Drive towards Innovation, Productivity & Sustainability and the Challenges Encountered  
Ms. Finn Tay, Director for New Estates Division 1, JTC Corporation |
| 2.10 pm | Topic: Planning Districts from Marina Bay to Jurong Lake  
Ms. Estella Kueh, Director (Development Coordination 2), Urban Redevelopment Authority |
| 2.30 pm | Topic: The Soft and Hard; and the Long and Productive  
Er. Ho Pui Ming, Director Commuter & Road Infrastructure, Land Transport Authority |
| 2.50 pm | Panel Discussion  
Topic: Empowering Women in Built Environment (TBC)  
Moderator: Professor Florence Ling, National University of Singapore, Department of Building  
Panelist:  
- Ms. Finn Tay, Director for New Estates Division 1, JTC Corporation  
- Ms. Estella Kueh, Director (Development Coordination 2), Urban Redevelopment Authority  
- Er. Ho Pui Ming, Director Commuter & Road Infrastructure, Land Transport Authority |
| 3.40 pm | Closing Speech by Ms. Helen Badger  
Director/Chairperson, National Association of Women in Construction (NAWIC) |
| 4.00 pm | End of Conference |
SMART Women in Built Environment
Thursday, 26 October 2017 | 9.00am - 4.00pm | Singapore EXPO, GHJK Room (Level 1)

<table>
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<tr>
<th>Category</th>
<th>Early-Bird Rate (till 6 Oct 2017)</th>
<th>Conference Rate (from 7 Oct 2017)</th>
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<tr>
<td>Public</td>
<td>SS160.50</td>
<td>SS214.00</td>
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Fees are inclusive of 7% GST. All fees stated include luncheons and refreshments. A certificate of attendance will be issued to all delegates who complete the conference.

DELEGATE’S DETAILS

NAME:

JOB TITLE:

COMPANY NAME:

ADDRESS:

TEL:  FAX:

EMAIL:

SIGNATURE*:

CONTACT PERSON & TEL (FOR GROUP REGISTRATIONS):

CONTACT PERSON EMAIL:

*By signing on this form you acknowledge that you have read and accepted our Terms and Policies on this registration form.

CONSENT

I consent to Sphere Exhibits Pte Ltd and its related entities, affiliates and subsidiaries (collectively “Sphere”) collecting, using, disclosing and/or processing any information or personal data as provided by me in this registration form for the purposes of sending me marketing messages about products and services offered by any of Sphere or other reputable third parties via (please tick):

- [ ] mail and/or email;
- [ ] and my Singapore telephone numbers (i.e., text, voice call, and/or fax)

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**Photographs and videos may be taken during the event for use in promotional brochures, event publicity and other related purposes by Sphere Exhibits Pte Ltd, its related corporations and its service providers.

CANCELLATION AND SUBSTITUTION POLICY

1. Should delegate be unable to attend the event, a substitute (confirmed in writing by the delegate or company prior to the event) is welcome at no extra charge;
2. The organizers does not provide refunds nor credits for cancellations or no-shows.
3. Involved amounts are payable in full upon issuance of invoices;
4. The organizers reserves the right to alter the programme without notice including substitution, alteration or cancellation of speakers and/or topics and/or the alteration of the dates of the event;
5. Should there be a need to cancel the event, the organizer will refund delegates for registration fees paid, and will not be held responsible for any travel and/or accommodation costs incurred.

LIABILITY

The organizers will not accept liability for damages of any nature sustained by delegates or accompanying persons, or loss of, or damage to their personal property as a result of the events.

ACCOMMODATION INFORMATION

Hotel accommodation and travel costs are not included in the registration fee. A reduced corporate room rate has been arranged for attendees at this conference. To take advantage of this special rate, please process the hotel room reservation list upon confirmation of your attendance.

PAYMENT TERMS

Full payment is required to be made within 7 days from date of invoice. All payments must be received prior to the event date. The organizers reserves the right to refuse admission to the event if payment has not been received. Payment with discount offers must be received by promotion or early bird cut-off date in order to enjoy the promotional rates. After which, the discount will not be applicable and we will be charging the regular fee accordingly.

MODES OF PAYMENT

- [ ] Cheque Payment
  Crossed Cheque and made payable to: SINGAPORE PRESS HOLDINGS LIMITED
  Mail to: Singapore Press Holdings Ltd, Robinson Road Post Office, Locked Bag Service No. 10, Singapore 908186

- [ ] Telegraphic Transfer
  Bank: Citibank N.A. Singapore,
  8 Marina View, #16-00 Asia Square Tower 1, Singapore 018960
  A/C no.: 0-707563-036 (USD)
  Swift code: CITISGSG

- [ ] Credit Card Payment
  For credit card payment, kindly register and make online payment at http://registeratsphere.com.sg/BTA2017/
  *Payment by credit card will be converted and charged in SGD at the prevailing rate in order to comply with our bank’s policies.

PRIVACY LEGISLATION

In registering for the event, relevant details may be incorporated into a participants list for the benefit of all delegates. These details may also be available to all related companies of Sphere Exhibits and parties directly related to the event, including the venues and accommodation providers. Sphere Exhibits may use these details to inform current participants of the event, updates or future conferences via email or post. Participants are responsible for advising The organizers if they do not wish to have their email addresses included in the conference participant list or The organizers distribution list for future events.

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The Terms and Conditions shall be governed by and construed in accordance with the laws of Singapore.

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The organizers shall not be liable in damages for any delay or default in performing the event if such delay or default is caused by conditions beyond its control such as acts of God, government and political interruptions. In such event, The organizers shall not only be obliged to proceed with the event and may at its sole and absolute discretion decide on any reimbursement of not more than 70% of the payments received by it.

For enquiries: Sphere Exhibits Pte Ltd

Ms. K Santi at DID: +65 6319 4040 or email: ksanti@sph.com.sg
Mr. Foo Meng at DID: +65 6590 3415 or email: mfoo@sph.com.sg

For more details, please scan this QR code:
Key Activities at a Glance

24 – 26 October 2017 | Singapore EXPO Hall 3 & MAX Atria

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<td>International Building Technology Expo</td>
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<td>A part of SINGAPORE CONSTRUCTION PRODUCTIVITY WEEK 2017</td>
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<td>Activities</td>
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<td>Conferences</td>
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<td>Other Events</td>
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<td>IHL Productivity Race</td>
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<td>SCAL PIA Competition</td>
<td>Industry Networking Reception</td>
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<td>Networking</td>
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Why Queue?
Pre-register Online NOW!

Log on before 16th October 2017 to pre-register your visit to BuildTech Asia 2017!
www.buildtechasia.com/register

General Information

Date: 24 – 26 October 2017
Venue: Singapore EXPO, Hall 3 & MAX Atria
Opening Hours: 10.00am – 6.00pm (24 – 25 October) | 10.00am – 5.00pm (26 October)

Admission
Admission is open to trade professionals only and there is no charge to visit. If you miss out the pre-registration deadline (7 October 2017), you may register at the Singapore EXPO on show days with your business card.

Visitor badges are non-transferable due to security reasons. You may be asked by security personnel to present proof of identification before entry. Minors aged 16 years and below will not be allowed entry. Students are to be accompanied by staff of school. Contact Bok Zhi Kai at zbok@sph.com.sg for more information.

Attire
All visitors must be in proper attire. Those in shorts, flip-flops / slippers will not be allowed entry into the exhibition and conference. The Organiser reserves the right to refuse admission to visitors who are not appropriately dressed or do not fulfill admission requirements.