



Held during the National Productivity Month and organised by BCA, this year's Singapore Construction Productivity Week (SCPW) will focus on more productive, innovative and advanced building solutions. The fourth SCPW is the hallmark event to celebrate the construction sector's productivity journey. The event presents an ideal platform for suppliers, developers, architects, consultants and builders to come together and exchange ideas in transforming the construction sector towards a higher productivity level.

The Week features several key events, including:

1. Build Smart Conference (14-15 October)

- The Build Smart Conference is a two-day conference which provides an excellent platform for industrial practitioners and academics from around the world to share and learn about the trends in construction productivity.
- The aim of the conference is to keep the industry updated on innovative construction technologies, raise industry awareness on productivity and showcase projects that have successfully adopted productive methods of construction.
- This year's conference focuses on two distinctive themes: **“Productivity with Modern Technologies and Processes”** and **“Innovate-Integrate-Transform with BIM”**.

2. BuildTech Asia 2014 (14-16 October)

- BuildTech Asia 2014 is the region's leading tradeshow for the building and construction industry, dealing with all aspects of construction including power generation, transmission and distribution, water and sanitation, pharmaceutical, petrochemical, and manufacturing.
- Organised by Sphere Exhibits and hosted by BCA, the three-day trade show is a key event of the SCPW.
- This year's exhibition focuses on seven technologies and processes which have been identified to play important roles in transforming construction productivity:
 - Building Information Modelling (BIM)
 - Construction IT including smart technologies such as Radio Frequency Identification (RFID), Biometric Readers and Project Management Systems
 - Prefabricated structural systems such as precast construction, steel construction and modular housing system
 - Prefabricated architectural systems such as drywall, prefabricated bathroom unit, and engineered wood for timber floor

EVENT FACTSHEET

- Prefabricated M&E systems such as fabric duct, flexible pipe and integrated plant/piping module
- Smart materials such as high-strength concrete and self-compacting concrete
- Smart construction such as strut free excavation, system formwork, climbing scaffold and other productive equipment
- The exhibition is spread over 12,500 square metres of space at the Singapore Expo and aims to attract over 6,000 visitors.

Competitions

3. BIM Shoot-Out Competition (15 September 2014 – 15 October 2014) [New!]

- The BIM Shoot-Out Competition is a new competition meant to test the proficiency of students in using the three-dimensional modelling technology.
- The competition is open to all full-time students of Institutes of Higher Learning (IHLs).
- There are two stages to the competition where participating students are required to create accurate digital building models and documentation in the shortest possible time, within two hours.
- The inaugural competition saw more than 55 students participating from five IHLs, namely BCA Academy, Ngee Ann Polytechnic, Singapore Polytechnic, Temasek Polytechnic and ITE College.
- The prize presentation ceremony will be held on 15 October 2014.

4. BIM Competition (18 August 2014 – 15 October 2014)

- Organised for the fourth consecutive year, the competition aims to provide participants a unique learning experience to build up their BIM skills and knowledge in an integrated, collaborative environment similar to the real construction world under the guidance of industry practitioners.
- The competition is open to all full-time and part-time students of Institutes of Higher Learning (IHLs)
- Teams from IHLs are required to produce 3D models and documentation over four days (1 – 4 September 2014).
- Since the introduction of the BIM competition in 2011, it has received much attention and support from the built environment industry. This year, the competition saw a record-breaking number of 20 participating teams, formed by 147 students.
- The teams came from six IHLs namely, Nanyang Technological University, National University of Singapore, BCA Academy, Ngee Ann Polytechnic, Singapore Polytechnic and Temasek Polytechnic.

EVENT FACTSHEET

5. Skilled Builders Competition (14-15 October)

- The Skilled Builders Competition is jointly organised by BCA, the Singapore Contractors Association Limited (SCAL) and Sphere Exhibits Pte Ltd
- Since the launch of the Skilled Builders Competition in 2011, this event has attracted many builders to participate in different productive trades to demonstrate good industry practices and efficient construction methods.
- It aims to foster better productivity through technology adoption, promote proper work procedures and highlight the importance of using the right skills to achieve productivity improvements.
- This year, the competition will focus on the Prefabricated Bathroom Unit (PBU) where competitors will demonstrate their ability in fitting out a PBU. The one-and-a-half day event will test the multiple trade skills and coordination of the team, to showcase the productivity benefits of PBUs.
- The various skills required in fitting out a PBU will be tested. These may include:
 - Panel fitting out
 - Plumbing and sanitary
 - Architectural finishing
- 12 teams from 11 builders and 72 of their employees participated in the Skilled Builders Competition this year (4 members per team will compete at any one time).
- The prize presentation will be held on 15 October 2014.

Productivity Challenge (11 August – 19 September) [New!]

- The inaugural Productivity Challenge is organised by BCA and aims to stimulate interest in students in the built environment sector.
- Held over a 1.5 months period, the project-based assignment is open to tertiary students. The module lecturer would oversee the assignment. Students would be scheduled to attend training in the Code of Practice on Buildability and other relevant productivity-related topics.
- Based on a selected site and building plans, the participants are tasked to compete in demonstrating their planning and choice of buildable systems and labour efficient construction methods while meeting the minimum building and constructability scores.
- The Challenge was participated by 15 teams, formed by 64 participants.
- The prize presentation ceremony will be held on 16 October at the Singapore Expo.

6. Productivity Race (16 October)

- The Productivity Race is a race which provides an engaging and interactive platform to instill productivity awareness among tertiary students.
- The Race helps create awareness of BCA's productivity initiatives including incentive schemes under the Construction Productivity and Capability Fund (CPCF), imparts

EVENT FACTSHEET

learning of productivity concepts in an “informal” setting; and identifies productive technologies and systems commonly adopted in built environment sector.

- During the Race, students are required to complete challenges at designated stations.
- Teams of 5 students will travel within the Singapore Expo and to designated locations around Singapore on 16 October 2014. The fastest and most cost efficient teams to identify all the locations will win attractive cash prizes.
- 140 students in 29 teams from the Singapore Polytechnic and BCA Academy have signed up to participate.
- The flag-off at the Singapore Expo will be graced by Guest-of-Honour Minister of State, Ministry of National Development & Ministry of Defence and Mayor, South East District, Dr Mohamad Maliki Osman.
- The prize presentation ceremony will be held on 16 October at the Singapore Expo.