



## Enhanced Building Innovation Panel

The inter-agency\* Building Innovation Panel (BIP) assists firms, which has developed innovative methods, processes and materials that improve construction productivity, in obtaining evaluations by technical agencies expeditiously for their use in projects. Through BIP, innovative and productive technologies such as Prefabricated Prefinished Volumetric Construction (PPVC), Mass Engineered Timber (MET) and Prefabricated Bathroom Units (PBU) have been granted In-Principle Acceptance (IPA) for use in building projects in Singapore.

*\* Agencies include BCA, LTA, MOM, NEA, PUB, SCDF, and URA. In addition, non-regulatory agencies, HDB and JTC, are included to provide user perspective during evaluation.*

2 In 2019, the BIP will be enhanced to include innovative construction solutions that will improve Singapore's built environment – beyond productivity – to meet our Construction ITM objectives.

3 The enhanced BIP will:

- i. identify innovative technologies for use in construction projects by tracking new innovations, and conducting focus group discussions with the industry to identify trends and promote adoption of such innovative technologies;
- ii. support innovative technologies across the value chain, from upstream research to technology deployment. For example, BIP can help match inventors of promising new construction innovation with a progressive builder/developer, so that it can be implemented in an actual project and eventually, across the industry; and
- iii. be a platform for multi-agency regulatory approval of the use of these innovative technologies, i.e., allow multiple agencies' evaluation and approval of innovative technologies expeditiously.

4 Under the enhanced BIP, a Steering Committee will be formed, comprising representatives from the Trade Associations and Chambers (TACs), to give broad strategic directions for innovation in construction and align construction technology

development to the objectives of the Construction Industry Transformation Map (ITM). The Steering Committee will be supported by three work streams:

- i. *Technology Assessment Committee* focuses on innovations that are ready for implementation in projects and their regulatory approval.
- ii. *Research & Innovation Committee* focuses on innovations requiring further R&D, and conducts proactive scanning and identification of innovations. It will also engage the relevant regulatory agencies early, in the R&D of innovative materials, products and technologies by our research entities and companies.
- iii. *Inter-Agency Coordinating Committee* helps to resolve any regulatory conflicts – that may arise from the use of innovative technologies in a project – among government agencies.

For more info, please visit <https://www.bca.gov.sg/cpc/BIP.html>.