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## **Circular to Professional Institutes/ Associations**

Dear Sir / Madam,

### **2-STAGE INNOVATION GRANT (iGRANT) CALL FOR PROPOSALS FOR SOLUTIONS ON AUTOMATED CODE COMPLIANCE CHECK IN BIM**

#### **Background**

1. Building and Construction Authority (BCA), with the funding support from Ministry of National Development (MND), rolled out the 2-Stage Innovation Grant (iGrant) on 8 October 2013. The grant aims to help the entire value chain of the building and construction industry to conduct smaller scale R&D projects with near term commercialisation potential.

2. iGrant was further enhanced in 2014 to increase the scope of funding to Construction Productivity. The expiry of iGrant has been extended to 31 October 2020 with a total available grant of \$3 million. The existing focus areas of energy efficiency and construction productivity have been expanded to include safety, quality and maintainability. This is to provide a wider coverage of support for other strategic pillars beyond green buildings and construction productivity. Please refer to our [earlier circular](https://www.corenet.gov.sg/media/2013563/igrant-circular.pdf) for more details. <https://www.corenet.gov.sg/media/2013563/igrant-circular.pdf>

#### **Current Grant Call**

3. Building Information Modelling (BIM) is currently widely used by the local industry. With effect from 1 July 2015, all projects with GFA more than 5,000 sqm are required to be prepared and submitted in BIM for regulatory approval.

4. To fully harness the capability of BIM and improve overall productivity, there is a need to explore the availability of technology that will aid in the model validation process so that issues in the model are detected and addressed upfront. A Grant Call for Solutions on Automated Code Compliance Check in BIM is launched on 01 September 2016. This call is open to companies providing BIM solutions to the local industry.

### **Scope of Grant Call**

5. The following are potential areas for the development of Solutions for Automated Code Compliance Check in BIM.

- a. Conduct integrity check on the BIM model to ensure it meets pre-requisite for the functions of code compliance checking
- b. Develop robust checking engine that supports rule-based check, capable of identifying areas of non-compliances with the stipulated regulatory requirements
- c. Provision of features such as
  - i. Error reporting for users
  - ii. Allow customisation to the parameters of the rules sets created

6. For more information pertaining to this grant call, please refer to the website.

[https://www.bca.gov.sg/ResearchInnovation/others/Automated\\_Code\\_Compliance\\_Check\\_in\\_BIM.pdf](https://www.bca.gov.sg/ResearchInnovation/others/Automated_Code_Compliance_Check_in_BIM.pdf)

### **Application**

7. All applicants must send in 2 hard copies and 1 electronic copy of duly signed proposals by 14 October 2016 to the following:

iGrant Secretariat  
c/o Building and Construction Authority  
Research Planning and Programmes Department  
200 Braddell Road  
ZEB Level 3  
Singapore 579700

8. The full details of the scheme, such as application guidelines, application forms and FAQs pertaining to the iGrant can be found on our website at [http://www.bca.gov.sg/ResearchInnovation/2stage\\_InnovationGrant.html](http://www.bca.gov.sg/ResearchInnovation/2stage_InnovationGrant.html).

9. For further enquiries, please contact:

Ms Ma Khine Wa at [ma\\_khine\\_wa@bca.gov.sg](mailto:ma_khine_wa@bca.gov.sg) (iGrant related enquiries) or  
Ms Sharon Tan at [sharon\\_hc\\_tan@bca.gov.sg](mailto:sharon_hc_tan@bca.gov.sg) (Scope of grant call)

Thank you.



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