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R&I Planning and Management Department  
Built Environment Research & Innovation Institute  
Tel: 6248 9988  
Fax: 6258 0588  
Email: TAN\_Tian\_Chong@bca.gov.sg

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

Dear Sir / Madam,

### **GRANT CALL FOR 2-STAGE INNOVATION GRANT (iGRANT)**

#### **Background**

1. The 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 recently enhanced in 2018 with an additional grant of \$5 million to support 5 key focus areas in advanced construction, integrated digital delivery, maintainability, quality and safety. The expiry of iGrant has been extended to 31 October 2020.

#### **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 to bring information from the Analysis and Design (A&D) program into BIM Model to reduce human intervention and possible human error. A Grant Call for Solutions for Structural Submission Mapping Plugin Toolkit is launched on 17 June 2019.

### **Scope of Grant Call**

5. The following are potential areas for the development of Solutions for Structural Submission Mapping Plugin Toolkit.

- Advanced Automatic extraction of BIM marking and A&D structure element ID from BIM and A&D model respectively, to match them in repository platform or to be deposited back into the BIM model.
- Generate standardise report format with flexibility for user to key in structural element not covered in the A&D model.
- Other features
  - a. Provide error reporting for users
  - b. Provide filtering and counting of the structure element by type and level
  - c. Allow traceability of the source of where the marking was extracted from

6. For more information pertaining to this grant call, please refer to the website. [https://www.bca.gov.sg/ResearchInnovation/others/Tech\\_Specs\\_Solutions\\_for\\_Structural\\_Submission\\_Mapping\\_Plugin\\_Toolkit.pdf](https://www.bca.gov.sg/ResearchInnovation/others/Tech_Specs_Solutions_for_Structural_Submission_Mapping_Plugin_Toolkit.pdf)

### **Application**

7. All applicants must send in 2 hard copies and 1 electronic copy of duly signed proposals by 15 July 2019 to the following:

iGrant Secretariat  
c/o Building and Construction Authority  
Built Environment Research & Innovation Institute (BERII)  
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:

Mr Darren Lim at [Darren\\_TY\\_LIM@bca.gov.sg](mailto:Darren_TY_LIM@bca.gov.sg) (iGrant related enquiries) or  
Mr Brian Phua at [Brian\\_Phua@bca.gov.sg](mailto:Brian_Phua@bca.gov.sg) (Scope of grant call).

Thank you.



TAN TIAN CHONG  
DEPUTY MANAGING DIRECTOR  
BUILT ENVIRONMENT RESEARCH & INNOVATION INSTITUTE  
BUILDING AND CONSTRUCTION AUTHORITY

**DISTRIBUTION (via e-mail only):**

President  
Association of Consulting Engineers, Singapore (ACES)  
18 Sin Ming Lane  
#06-01, Midview City  
Singapore 573960  
Email: secretariat@aces.org.sg

President  
Board of Architects (BOA)  
5 Maxwell Road  
1st Storey Tower Block, MND Complex,  
Singapore 069110  
Email: boarch@singnet.com.sg

President  
Institution of Engineers, Singapore (IES)  
70, Bukit Tinggi Road  
Singapore 289758  
Email: ies@iesnet.org.sg

President  
Real Estate Developers' Association of Singapore (REDAS)  
190 Clemenceau Avenue #07-01  
Singapore Shopping Centre  
Singapore 239924  
Email: enquiry@redas.com

President  
Singapore Contractors Association Limited (SCAL)  
Construction House  
1 Bukit Merah Lane 2  
Singapore 159760  
Email: enquiry@scal.com.sg

President  
Singapore Institute of Architects (SIA)  
79 Neil Road  
Singapore 088904  
Email: info@sia.org.sg

President  
Society of Project Managers (SPM)  
Macpherson Road PO.Box 1083  
Singapore 913412  
Email: societyofprojectmanagers@gmail.com

President  
Singapore Institute of Building Limited (SIBL)  
20 Maxwell Road, #08-06 Maxwell House,  
Singapore 069113  
Email: [info@sibl.com.sg](mailto:info@sibl.com.sg)

President  
Singapore Institute of Surveyors & Valuers (SISV)  
110 Middle Road #09-00  
Chiat Hong Building  
Singapore 188968  
Email: [sisv.info@sisv.org.sg](mailto:sisv.info@sisv.org.sg)

President  
Singapore Structural Steel Society (SSSS)  
1 Liang Seah Street #02-11/12  
Liang Seag Place  
Singapore 189022  
Email: [secretariat@ssss.org.sg](mailto:secretariat@ssss.org.sg)

President  
Prestressed & Precast Concrete Society (PPCS)  
89 Short Street  
Golden Wall Centre #08-07  
Singapore 188216  
Email: [admin@ppcs.org.sg](mailto:admin@ppcs.org.sg)

President  
Professional Engineers Board, Singapore (PEB)  
52 Jurong Gateway Road #07-03  
Singapore 608550  
Email: [registrar@peb.gov.sg](mailto:registrar@peb.gov.sg)

President  
Singapore Green Building Council (SGBC) 390 Havelock Rd, #06-05 King's Centre  
Singapore 169662  
Email: [enquiry@sgbc.sg](mailto:enquiry@sgbc.sg)

President  
International Facility Management Association (IFMA)  
Killiney Road Post Office  
PO Box 2104  
Singapore 912352  
E-mail: [contact@iffmasingapore.org](mailto:contact@iffmasingapore.org)

President  
Association of Property and Facility Managers (APFM)  
110 Middle Road #09-00  
Chiat Hong Building  
Singapore 188968  
Email: [secretariat@afpm.mygbiz.com](mailto:secretariat@afpm.mygbiz.com)

President  
Institution of Facilities Management (IFM)  
Kent Ridge Post Office  
Yusof Ishak House (NUS)  
Kent Ridge PO Box 1058  
Singapore 119260  
Email: [bekkh@singnet.com.sg](mailto:bekkh@singnet.com.sg)

Chairman  
Sustainable Energy Association of Singapore (SEAS)  
180 Kitchener Road, #06-10 City Square Mall  
Singapore 208539  
Email: [info@seas.org.sg](mailto:info@seas.org.sg)

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