

## **GREEN BUILDINGS INNOVATION CLUSTER (GBIC) - PROTOTYPING**

### **GBIC - PRODUCT PROTOTYPING**

#### Overview

The funding scheme supports technology translation efforts to bring R&I technologies from the lab scale to market ready prototype suitable for adoption. This will support our target to push the boundaries for buildings to achieve 80% energy efficiency from 2005 levels by 2030.

It will fund proposals which are more downstream (Technology Readiness Level of 5-7) and closer to market adoption as compared to applied research projects. Such projects, if successfully implemented, would encourage wider adoption of innovative technologies through larger demonstration projects.

#### Eligibility for Product Prototyping

The proposal must meet the following criteria:

- a) Private sector entities and public research performer from Institute of Higher Learning (IHLs), Research Institutes (RIs) must be registered and based in Singapore.
- b) The technology must have a demand driver such as building owner or the industry partner who is committed to adopt the technology after the prototyping project.
- c) The prototyping must be carried out in Singapore, and the test-bedding shall be carried out in an operational environment setting.
- d) The proposal must not have obtained similar funding from BCA or other public agencies.

#### Funding Support

Support up to 100% of the approved qualifying direct costs of a project for Singapore-based IHLs, RIs. Companies and company-affiliated research entities will qualify for up to 70 percent of the approved qualifying direct costs of a project depending on the type of firms, with total project funding cap at \$500,000.

Qualifying cost (with GST) will include:

- a) Manpower-related costs;
- b) Equipment, materials & consumables and software/apps;
- c) Professional services;
- d) Test-bedding cost

#### How to Apply

Thematic challenge calls will be launched for industry, researcher to co-create innovative solutions to address the challenges and push energy efficiency boundaries. Announcements will be made available at this website

Please direct your enquires to the following email addresses:  
[wong\\_ngian\\_chung@bca.gov.sg](mailto:wong_ngian_chung@bca.gov.sg).

## **GBIC - DESIGN PROTOTYPING**

### Overview

Design Prototype aims to encourage developers/ building owners and the stakeholders to adopt a more holistic approach to strive for greater energy efficiency in at early design stage of the project. Its main aim is to support pre-application of demonstration projects' needs such as design solutions and technologies, scientific modelling and simulation, prototyping & testing, etc. The process would help identify the technologies that can contribute to the SLE target that would be considered for GBIC demonstration support.

### Eligibility for Design Prototyping

The proposal must meet the following criteria:

- a) Development project<sup>1</sup> must be sited in Singapore.
- b) The development project should be in its preliminary concept design stage at the time of application.
- c) Development project must be committed to proceed to large scale demonstration once the project is supported by GBIC–Demonstration funding.
- d) Development project must be committed to obtain certification for Green Mark Super Low Energy and have the potential to achieve 75% energy efficiency improvement over 2005 baseline.
- e) The development must not have obtained similar funding from BCA or other public agencies.

### Funding Support

Support up to 100% of the approved qualifying direct costs of a project for Singapore-based IHLs, RIs. Companies and company-affiliated research entities will qualify for up to 70 percent of the approved qualifying direct costs of a project depending on the type of firms, with total project funding cap at \$500,000.

Qualifying cost (with GST) will include:

- a) Consultancy fees, comprising manpower and overheads

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<sup>1</sup> Private development either a new or an existing building intending to undergo major retrofitting.

- b) Facility and logistical costs for design workshops
- c) Modelling and simulation studies
- d) Life cycle assessment.

#### How to Apply

Before you apply, check that you have met all the criteria stated above. Download the [form](#) and prepare all the supporting documents and send the e-copy via email.

Please direct your enquires to the following email addresses: [noel\\_chin@bca.gov.sg](mailto:noel_chin@bca.gov.sg).