

Our Ref: GBIC-R&D RFP 03

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CIRCULAR TO PROFESSIONAL INSTITUTES/ASSOCIATIONS

Dear Sir/Madam,

INNOVATION CHALLENGE CALL FOR ADVANCING SUPER LOW ENERGY (SLE) THROUGH ALTERNATIVE COOLING TECHNOLOGIES

Background

1. In September 2018, BCA launched the Super Low Energy (SLE) Programme to push the envelope of environmental sustainability in Singapore. To drive the SLE solutions for our tropical built environment, innovative cooling technologies had been identified as one of the key focus areas under the SLE Building Technology Roadmap.

Objective

2. To accelerate the development and deployment of innovative cooling solutions, BCA is collaborating with Cooling Energy Science and Technology Singapore (CoolestSG) Consortium to launch an **Innovation Challenge Call for Advancing SLE through Alternative Cooling Technologies**. This challenge call, funded by National Research Foundation (NRF) through the Green Buildings Innovation Cluster (GBIC) programme, aims to develop and test-bed innovative cooling technologies that can significantly reduce energy consumption of cooling and has a high potential for commercialisation.

3. This challenge call also encourages technology providers, researchers and potential adopters to co-create innovative cooling technologies and solutions to enable a paradigm shift for cooling the buildings in the tropics.

Scope of Challenge Call

4. Proposals shall involve development of innovative, highly energy-efficient, and close-to-market air-conditioning solutions suitable for the tropics.
5. Industry driven proposals will be assessed more favourably. The developed prototypes should be tested in an operational environment in actual buildings or in a high-fidelity testbed environment, as part of the deliverables. Proposals with strong commitment from building owners/developers to demonstrate their technologies in real buildings after R&D will be considered favourably.

Application

6. Interested applicants are required to submit proposals through the Integrated Grant Management System (IGMS) at <https://researchgrant.gov.sg/> with the supporting documents by **18 Nov 2019, 2355 hours** (Singapore time). Separate submissions outside of IGMS will not be considered.
7. Please access the Challenge Call (<https://www.sleb.sg/Context/ContentDetails/8/11>) for full details. Should you have any enquiries, please email to the GBIC Secretariat at BCA_Challenge_Call@bca.gov.sg.

Yours faithfully,



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