

## EDB AND IMDA LAUNCH PILOT DATA CENTRE - CALL FOR APPLICATION (DC-CFA) TO SUPPORT SUSTAINABLE GROWTH OF DCs

**SINGAPORE, – 20 July 2022:** EDB and IMDA have launched a pilot Data Centre (DC) - Call for Application Exercise (DC-CFA) that will facilitate the building of new DC capacity and allow for the calibrated and sustainable growth of DCs in Singapore.

2. Data Centres (DCs) are important enablers of the digital economy. As the usage of digital applications and services increases, the demand for data storage and processing for businesses and consumers has also risen globally. However, DCs are also intensive users of resources like land, water, and energy, contributing to our carbon footprint.

3. Going forward, Singapore will need to manage the growth of DC capacity in a sustainable manner consistent with our climate change commitments. The Government informed the industry of a temporary pause in the growth of DCs in 2019 and embarked on a review. Since then, EDB and IMDA have had extensive consultations with the DC sector, their industrial customers and sustainability solutions providers to determine the parameters for the installation of new DC capacity.

4. EDB and IMDA will partner with the industry to facilitate DCs that:
- a. Bring in state of the art technologies and best practices for sustainability, particularly in the areas of energy efficiency and decarbonisation;
  - b. Strengthen Singapore’s international connectivity and position as a regional hub; and
  - c. Make a significant contribution to Singapore’s broader economic objectives.

5. Many DCs today are already taking active steps to be more energy efficient and sustainable. The Pilot Call for Application (CFA) exercise by EDB and IMDA seeks to leverage on the expertise and capabilities of the industry to further push the technology boundaries in these areas, and help level up the baseline for the sector, while providing new capacity for DC growth to support our digital economy.

6. This first DC-CFA exercise has been structured as a pilot, with flexibility for the industry to provide innovative proposals that can best meet our desired outcomes. More details can be found in Annex A.

7. EDB and IMDA will continue to partner with the industry for greener DCs to fulfil our environmental obligations under the 2015 Paris Agreement while supporting the needs of our Digital Economy. We look forward to the industry's participation in the pilot DC-CFA exercise.

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**ISSUED BY INFOCOMM MEDIA DEVELOPMENT AUTHORITY &  
SINGAPORE ECONOMIC DEVELOPMENT BOARD  
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## ANNEX A: Summary of Pilot DC-CFA Key Parameters & Criteria

### Introduction

1. EDB and IMDA have launched a pilot Data Centre – Call for Application (“DC-CFA”) on 20 July 2022 and welcome DC players that are seeking new DC capacity in Singapore to apply for the DC-CFA. The pilot DC-CFA application will close on 21 November 2022.

### Key Pilot DC-CFA Requirements

2. A summary of the pilot DC-CFA key evaluation requirements are as follows:

#### **Sustainability: Best in Class Resource Efficiency and Decarbonisation**

- a) **Best-in-class and efficient DC.** The applicant should provide proposals on how it intends to run the most efficient DC that is best in class.
  - (i) **Green Mark for DC Platinum Certification.** The applicant(s) selected under the pilot DC-CFA is required to certify its new build DC or existing DC seeking expanded capacity under the prevailing BCA-IMDA Green Mark for New Data Centre (“GM-NDC”) criteria and obtain Platinum certification.
  - (ii) **Best-in-class PUE<sup>1</sup>.** The applicant is to design, build and operate a DC that is best-in-class in terms of efficiency, and achieve at least a Power Usage Effectiveness (PUE) of 1.3 (at 100% IT load) or better.
  - (iii) **Best-in-class IT Energy Efficiency.** The applicant has to demonstrate optimisation of IT energy efficiency through use of equipment that

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<sup>1</sup> Power Usage Effectiveness or PUE is an internationally recognised metric to illustrate DC energy efficiency. It measures total annual DC energy utilised over total annual IT equipment energy utilised.

meet/exceed best-in-class IT energy efficiency standards and adoption of measures with users to optimise equipment utilisation.

- b) **Decarbonisation.** The applicant should provide proposals on how it will best achieve sustainability goals through renewable energy and plans to invest in innovative energy pathways (such as Hydrogen, Building Applied Photovoltaics /Building Integrated Photovoltaics) to offset its carbon emissions footprint.

**Strategic: Strengthening Singapore as a regional and/or international connectivity hub**

- a) The applicant may propose how its proposal would strengthen Singapore's value proposition as a key DC and technology hub for the region, as well as Singapore's regional/international digital connectivity.

**Economic: Broader contributions to Singapore's economic objectives**

- a) The applicant is to indicate the fixed asset investments and total business expenditure for the DC and propose other desirable business activities that are brought in together with the DC (such as R&D, product development etc) that contribute to the broader economic value and outcomes for Singapore.