

Tender Ref No: JTC25T0143



30 January 2026

To: All Applicants

## **CORRIGENDUM NO. 1**

### **JTC DECARBONISATION LIVING LAB INNOVATION CALL 2026 (DECAL2.0)**

Challenge Statement – Low Carbon Solutions - Decarbonizing Backup Power: Innovative Solutions to Eliminate Diesel Generator

Please take note of the following amendments/clarifications to the above Innovation Call, which shall form part of the original Innovation Call document issued.

#### **1. NEW TENDER DOCUMENT**

- (a) Presentation slides for DECAL2.0 briefing session “Decarbonisation Living Lab 2.0 Briefing\_26 Jan 2026-Admin.pdf”

Please refer to below link for the documents.

<https://www.ipi-singapore.org/jtc/challenge/1089/statement-details.html>

- (b) “Decarbonisation Living Lab 2.0 Briefing\_26 Jan 2026-CS2.pdf”

Please refer to below link for the documents.

<https://www.ipi-singapore.org/jtc/1089/problem-statement/low-carbon-solutions-decarbonising-backup-power-innovative-solutions-to-eliminate-diesel-generator-use-in-critical-services.html>

#### **2. CLARIFICATIONS**

Please take note of the clarification shown in Annex A which are made in response to the queries received.

### **3. CLOSING DATE**

This Innovation Call Closing Date remains unchanged (i.e. 9 March 2026, not later than 4.00pm).

Your faithfully,  
Md Rusydi (Mr.)  
Sr Contracts Manager  
Contracts and Procurement (Corporate) Division

(This is an electronic document. No signature is required.)

## Annex A

General Admin																			
Q1	Where can I find information about the 9 awarded projects for DECAL 1.0?																		
A1	<p>Please refer to below for the Awardees under DECAL 1.0.</p> <table> <tr> <th>Industrial Category - Challenge Statement</th><th>Awardee</th></tr> <tr> <td>1. Improving thermal comfort and energy efficiency at Clean Tech One</td><td>1. GAIA Tech Pte Ltd 2. NRGSense Technologies Pte Ltd</td></tr> <tr> <td>2. Data-led Mixed Use Waste Handling</td><td>1. KLerra Pte Ltd</td></tr> <tr> <td>3. Real Time Monitoring and Analytic System of In-Building Water Distribution</td><td>1. DAON Solutions Pte Ltd 2. NM3 Tech (S) Pte Ltd</td></tr> <tr> <td>4. Improving Outdoor Thermal Comfort at JID</td><td>1. NRGSense Technologies Pte Ltd</td></tr> <tr> <td>5. Carbon Neutral Horticultural Processes</td><td>1. Bluefield Renewable Energy Pte Ltd</td></tr> <tr> <th>Open Category - Challenge Theme</th><th></th></tr> <tr> <td>1. Energy Efficient Buildings</td><td>1. E.SAVE.AI Pte Ltd</td></tr> <tr> <td>2. Zero Waste Industries</td><td>1. Terra Sol Pte Ltd</td></tr> </table>	Industrial Category - Challenge Statement	Awardee	1. Improving thermal comfort and energy efficiency at Clean Tech One	1. GAIA Tech Pte Ltd 2. NRGSense Technologies Pte Ltd	2. Data-led Mixed Use Waste Handling	1. KLerra Pte Ltd	3. Real Time Monitoring and Analytic System of In-Building Water Distribution	1. DAON Solutions Pte Ltd 2. NM3 Tech (S) Pte Ltd	4. Improving Outdoor Thermal Comfort at JID	1. NRGSense Technologies Pte Ltd	5. Carbon Neutral Horticultural Processes	1. Bluefield Renewable Energy Pte Ltd	Open Category - Challenge Theme		1. Energy Efficient Buildings	1. E.SAVE.AI Pte Ltd	2. Zero Waste Industries	1. Terra Sol Pte Ltd
Industrial Category - Challenge Statement	Awardee																		
1. Improving thermal comfort and energy efficiency at Clean Tech One	1. GAIA Tech Pte Ltd 2. NRGSense Technologies Pte Ltd																		
2. Data-led Mixed Use Waste Handling	1. KLerra Pte Ltd																		
3. Real Time Monitoring and Analytic System of In-Building Water Distribution	1. DAON Solutions Pte Ltd 2. NM3 Tech (S) Pte Ltd																		
4. Improving Outdoor Thermal Comfort at JID	1. NRGSense Technologies Pte Ltd																		
5. Carbon Neutral Horticultural Processes	1. Bluefield Renewable Energy Pte Ltd																		
Open Category - Challenge Theme																			
1. Energy Efficient Buildings	1. E.SAVE.AI Pte Ltd																		
2. Zero Waste Industries	1. Terra Sol Pte Ltd																		
Q2	What are the criteria for a company to qualify for funding?																		
A2	Please refer to Section 1.2 in Document 'D2_Information_DECAL2.0.pdf' for funding eligibility.																		
Q3	What is the definition of “not deployed in large scale”?																		
A3	The Innovation Call supports innovative solutions at mid-to-high TRLs for onsite trial and deployment, and not solutions that are already commercially available or deployed at large scale (i.e. off-the-shelf solutions).																		
Q4	Who owns the hardware installed after the trial?																		
A4	The purchasing company retains ownership of hardware bought for the project.																		
Q5	What items can be funded?																		
A5	Please refer to Section 1.2 in Document 'D2_Information_DECAL2.0.pdf' and Document 'D5_Project Budget_DECAL2.0.xlsx' for supportable categories.																		
Q6	How will funding be reimbursed?																		
A6	Please refer to Section 4.2 in 'D2_Information_DECAL2.0.pdf' for claims submission and reimbursement.																		

Q7	How can international companies participate? Do they need a local partner?
A7	International companies can partner with local SME to participate in the DECAL 2.0 innovation call.
Q8	Can MNC take part in this?
A8	Please refer to Section 1.2 in Document 'D2_Information_DECAL2.0.pdf' for funding eligibility. Applicant is encouraged to partner with local SME to participate in the DECAL 2.0 innovation call.

Challenge Statement 2	
Q1	Is JTC keen to look into diesel generator alternatives, such as hydrogen fuel cell or methanol powered generators?
A1	We are open to exploring these options and will facilitate authorities' clearance if needed.
Q2	Does the Kaki-Bukit site has town gas facility? If yes, can the solution tap into it?
A2	There is no town gas facility at KB-1.
Q3	What is the approximate electrical load to be handled by the solution and how long does the backup power is needed to power the emergency loads?
A3	Currently, KB-1 has a 320kW diesel generator as a backup power supply for critical systems. The generator is designed to sustain critical systems for approximately 4 to 8 hours, depending on the real-time load demand and available fuel capacity.
Q4	Is there a requirement to test the backup power source every month?
A4	Yes, there is a need to test the backup power source monthly. Tenderers should also include any other servicing required to maintain the proposed solution.
Q5	Could you confirm the approx. power requirement (in kW) for the pilot.
A5	Please refer to the reply for Q3.