

## Submission of Proposal (e.g. Sustainability Open Innovation Challenge 2020)

1. In order to submit proposal, solution providers will be first required to create an account. If you have already done so, please move to point 5.

Sustainability Open Innovation Challenge 2020 - Enterprise

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Enterprise Singapore

**SUSTAINABILITY OPEN INNOVATION CHALLENGE 2020**

**ENTERPRISE TRACK**

**Click here to create new account**

**Sustainability Open Innovation Challenge - Enterprise**

The Enterprise track calls for startups, SMEs, IHLs and RIs to co-develop and testbed your innovative solutions with challenge statement owners across different industries, such as f consumer electronics, and tourism. Companies that meet eligibility criteria for grant appli... may also be provided with funding support to develop the solutions.

2. You will be redirected to a registration page. Please fill in the necessary details, particularly those required with an asterisk (\*)

**Registration**

Items marked with an asterisk (\*) are mandatory

Email \*

Business Mobile Number \*

If you are outside Singapore, please include your IDD code and Area code(eg +1-555-123-4567)

Salutation \*

Select one

First Name \* Last Name \*

Company \*

Designation \*

Company Website

Provide the website URL (including https:// or http://) of your company if any.

Primary Industry \*  
Select one

Location \*  
Select one


Area(s) of Interest  
Select Options

Password \*  
[Input Field]

Confirm Password \*  
[Input Field]

Subscribe to TechAlerts and IPI Newsletters

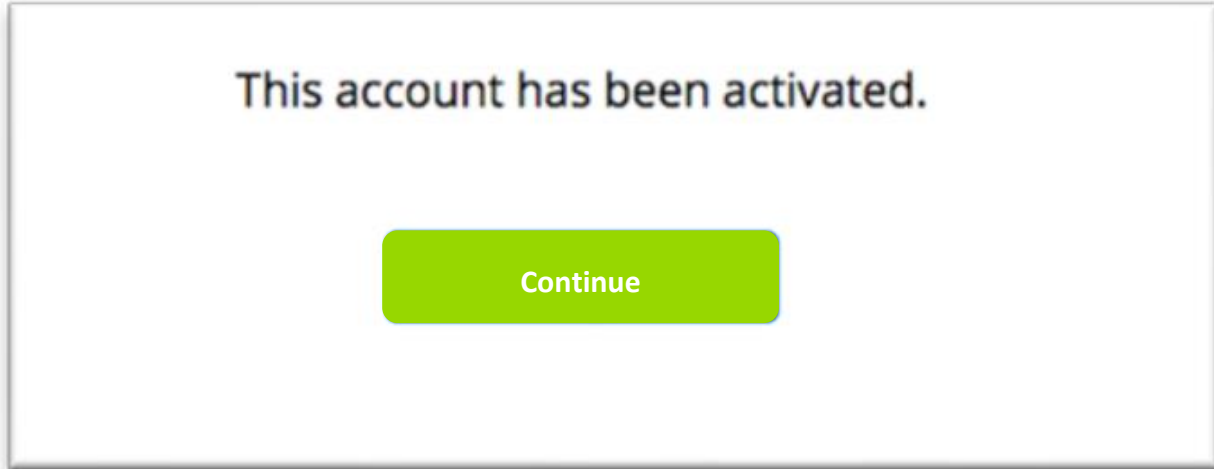
I have read and agree to abide by the Terms of use and IPI's Privacy Policy

I'm not a robot  reCAPTCHA  
Privacy - Terms



**Please ensure that you have read and agree to the Terms of Use and IPI's Private Policy. Click "Register"**


3. Upon registering, a popup window will require you to insert a verification code sent to your registered email to activate the account. The email will be titled "Account Activation – Verification Code"
4. On successful registration, a notice will indicate that the account has been activated.



5. Login to your newly registered account under the "login" tab

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# SUSTAINABILITY OPEN INNOVATION CHALLENGE 2020 ENTERPRISE TRACK

**Login**

Email \*


Password \*

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**Sustainability Open Innovation Challenge - Enterprise**

The Enterprise track calls for startups, SMEs, IHLs and RIs to co-develop and testbed your innovative solutions with challenge statement owners across different industries, such as FMCG, consumer electronics, and tourism. Companies that meet eligibility criteria for grant application may also be provided with funding support to develop the solutions.

Challenge Closing Date  
**19 Feb 2021 12:00 PM (GMT +8)**

6. To submit challenge proposal:

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### Challenge Introduction

Please click on each of the Challenge Statements below to view the details. You may submit your proposals after the briefing sessions. You will have up to 19 February 12:00pm (Singapore time, GMT +8) to submit your proposals. Please use the provided proposal submission form to submit your proposals.


### Problem Statement

Please click on the challenge(s) below to view the details and submit your application.

Theme  Organisation




**Seeking solutions to improve accessibility and overcome infrastructural**



**Drink responsibly - without waste**

Mandal Park



**Enhanced solar power generation systems for implementation in farmlands**

**Challenge Start Date**  
19 Feb 2021 12:00 PM (GMT +8)

**Challenge Closing Date**  
19 Feb 2021 12:00 PM (GMT +8)

**Attachment**

Sustainability Challenge Application Form_Nov 2019_11.pptx	43.07 KB
Technology Readiness Level Reference.pdf	17.09 KB
SOIC 2020 Proposal Submission Instruction.pdf	568.94 KB
Application form to request for grant support_11.docx	27.41 KB

(1) Click the "Statements Details"

(2) Select relevant problem statement

## DRINK RESPONSIBLY – WITHOUT WASTE

Details

### Background

Sustainability is always one of the core values of Wildlife Reserves Singapore (WRS) and they are looking at how to encourage visitors to the park gear towards sustainable purchasing and behaviour. WRS has decided to seek solution on how to create a water/ flavoured drink dispenser that enables reusable cup dispensing which is safe (hygienic and sterile) for visitor to use and have reusable cup return functions.

Visitors to WRS parks who did not bring along a water container is not able to get a drink from the water dispensers. As such, the visitors would have to purchase either a new reusable water bottle or a disposable carton water.

With the above solution, WRS would be able to reduce environmental footprint and resources needed to manufacture a new reusable bottle or a disposable carton. The solution could be deployed at existing controlled entry and exit points at the parks to allow visitors to borrow and return cups conveniently through the vending/reverse-vending machines.

No reusable solutions have been trialled at this point. Generally, the concerns are that the reusable cup returned by guests would have scratches and/or physical defects, that may prove difficult for some guests to accept. There are also hygiene concerns on whether the returned cups can be adequately cleaned for safe reuse.

### Requirements

- The vending/reverse vending machine should have a size measuring similar to that of a conventional vending machine, e.g. 72"H x 39"W x 33"D. Some of the machines will be deployed at semi-outdoor environment and should be weather resistant, i.e. a minimum dust/water ingress protection rating of IP34. The refrigeration temperature should be maintained at 4°C or below. Each machine should have a minimum capacity to collect at least 3,600 returned cups each month, with collected cups being removed every 2-3 days.

### Challenge

Sustainability Open Innovation Challenge - Enterprise

### Organisation

Mandai Park Holding

Submit Proposal



When the proposal is ready for submission, click "Submit Proposal"

8. You will be re-directed to a page called "Proposal Submission".

