

**Problem Statement Form**

Version: Jun 2021

Organisation		
Submitted by	Name:	Designation:
Contact Details	Phone:	Email:
Date		

**A. Problem Statement/Title:**

*Keep it brief at approximately 15 words. Instead of specifying prescriptive solutions, you are strongly encouraged to specify your requirements in terms of desired outcomes.*

**B. Background of the Problem:**

1. *Describe the current situation and application/use-case of the desired product/solution. Highlight the problems faced and inadequacies of current technologies.*
2. *What are the unsuccessful solutions or approaches that have been identified/trialled? Why did they not work or what were their limitations?*
3. *Highlight solutions that you are not interested in.*

**C. Technical requirements / Performance criteria:**

1. *Requirements/specifications to take note of (e.g. weight/size/power source)?*
2. *Features and/or performance expected of the product/solution (e.g. single man operation, task completion within 1h, detection of cracks less than 1cm width)?*
3. *Relevant standards that the product/solution should meet (e.g. based on end use environment)?*
4. *Product/solution development stages? If broken down into 2 phases (i.e. prototype/MVP, then final product/solution), please describe the features and performance that the prototype must minimally demonstrate before you are prepared to support further development.*

**D. Cost target of the product/solution:**

*Provide an estimate of the maximum product cost of the final product/solution. It can be based on budget constraints, market survey, or expected cost-savings (e.g. time/manpower saved as compared to existing product/solution or process).*

**E. Timeframe for development of the product/solution:**

*Work backwards from when the product/solution is needed, as it will impact the Problem design and timeline (e.g. problem launch, deadline for submissions, evaluation and shortlisting, proof of concept development, pitch/demo day, full functional product development).*

**F. Potential market / business opportunity for the product/solution:**

*What is the estimated quantity that you will need for scaling up if the product/solution proves to be successful? Will such product/solution be needed by other companies (in similar industry or adjacent applications)?*

**G. Resources that will be provided to support solution development:**

*Monetary (e.g. funding/prize money to support development or trial costs, investment) and/or in-kind (e.g. relevant data, test/pilot sites, hardware/software components)*

**H. Other considerations:**

1. Strategic or new business (to determine how broadly to scope problem)
2. Target innovator community (SMEs, start-ups)
3. Expected TRL level
4. Geographic reach (SG only, Asia, global)
5. Win-win for demand driver and problem solver (e.g. IP arrangements)

## Commitments

### 1. Expected responsibilities of the participating corporation in the NRW-Singapore Open Innovation Call

- The Corporation provides a contact person / person in charge (hereinafter PIC), who will manage communications and information.
- The Corporation provides access to problem statements for use in the Problem (“**Problem Statements**”) to NRW.Global Business and Enterprise Singapore.
- The Corporation and PICs review and shortlists eligible solution proposals for the Problem Statements submitted by solution providers via different platforms, email, such as interview panels, provided by Enterprise Singapore
- The Corporation and PIC works with the Solution Providers to refine and test-bed the Solution Providers’ solution proposals, such as availing mentoring opportunities, test-bedding resources to the winning solution proposals if the Corporate Problem Partner assesses the solution proposals to be appropriate for further development. A Prize Sponsorship Agreement may be established between winning solution proposals and the Corporation at a later stage.
- Corporation and PIC recognizes the importance of monitoring and evaluating the performance or outcome of the activities related to the Problem including holding meetings with NRW.Global Business and Enterprise Singapore, to review the overall effectiveness of all joint collaborative efforts and activities and contribute actively to the effectiveness of the activities.

### 2. Intellectual property rights

- Unless otherwise agreed by the parties in writing, all intellectual property rights in and to any materials produced, developed, or created by or for the Open Innovation Problem remain the sole and exclusive property of the Corporation respectively.
- The parties acknowledge and agree that they retain ownership of their respective pre-existing intellectual property rights relating to any material furnished by one party to the other to be used for the performance of this appointment. Each party acknowledges that it has no right to the intellectual property of the other party including trademarks, brand names and product names except as expressly agreed otherwise.
- The Corporation grants to NRW.Global Business and Enterprise Singapore for the purpose of fulfilment of its responsibilities, a non-exclusive licence to use the Corporations company logo(s) and any other publication of the Corporation contained in materials provided by the Corporation that are required for the purposes of performance of its obligations its appointment.

### 3. Termination and disputes

- This Form shall be effective from the date of submission and shall terminate after the completion of the Problem.
- The agreement may be terminated by either party at any time by giving *two (2) weeks* prior written notice to the other party and without liability of any kind to NRW.Global Business and Enterprise Singapore.

- If there should be any dispute that arises in the implementation of the Open Innovation Problem, the parties should consult closely to find an amicable solution forward.

#### **4. Data protection/Datenschutz**

##### **Kontaktaufnahme**

Die NRW.Global Business GmbH bietet Ihnen die Möglichkeit, sich über die Internetseite zum NRW-Singapore Open Innovation Call zu informieren oder Kontakt aufzunehmen. Sie haben die Möglichkeit, über das Kontaktformular, durch einen Anruf oder per E-Mail in Kontakt mit der NRW.Global Business GmbH zu treten. Im Rahmen der Kontaktaufnahme werden Daten wie Ihr Name, die E-Mail-Adresse und Ihre Telefonnummer erfasst. Alternativ ist eine Kontaktaufnahme über die bereitgestellte E-Mail-Adresse [innovation@nrwglobalbusiness.com](mailto:innovation@nrwglobalbusiness.com) möglich. In diesem Fall werden die mit der E-Mail übermittelten personenbezogenen Daten des Nutzers gespeichert. Ohne die Bereitstellung können wir Ihre Anfrage nicht bearbeiten.

Die Verarbeitung dieser Daten erfolgt im Rahmen von vorvertraglichen Maßnahmen, die zur Erbringung des angebotenen Dienstes erforderlich sind, gem. Art. 6 Abs. 1 lit. b) DSGVO. Betrifft die Kontaktaufnahme weder eine eigene vorvertragliche Maßnahme noch einen Vertrag, den Sie selbst bereits mit der NRW.Global Business GmbH geschlossen haben, verarbeiten wir Ihre personenbezogenen Daten auf Grundlage von Art. 6 Abs. 1 lit. f) DSGVO im Rahmen unseres berechtigten Interesses, Ihr Anliegen über diesen Weg zu bearbeiten. Anschließend werden die Daten gelöscht, sofern die Daten nicht für die Erfüllung eines Vertrages oder von vorvertraglichen Maßnahmen weiterhin erforderlich sind. Sofern die NRW.Global Business GmbH aufgrund gesetzlicher Verpflichtungen, beispielsweise der Einhaltung der Aufbewahrungspflichten gem. HGB und AO, verpflichtet ist, Ihre personenbezogenen Daten zu archivieren, werden diese für eine weitere Bearbeitung gesperrt. Nach Ablauf der Aufbewahrungsfristen werden die Daten anstandslos und datenschutzkonform gelöscht. Eine Übermittlung an einen Empfänger in einem Drittland wird nicht vorgenommen.

Ihre bestehenden Rechte uns gegenüber können Sie aus dem untenstehenden Punkt „Rechte der betroffenen Person“ in den allgemeinen Grundsätzen der Datenverarbeitung entnehmen.

##### **Einbindung weiterer Mitglieder und Partner des Open Innovation Calls**

Sofern sich die Anfrage an die Tätigkeit der NRW.Global Business GmbH bezieht und dies für eine effiziente Bearbeitung der Anfrage erforderlich ist, können Ihre Daten an die betroffenen Mitglieder oder Partner des Open Innovation Calls (Stratosfare und Enterprise Singapore) weitergegeben werden.

I hereby, confirm the participation of \_\_\_\_\_ (corporation name)  
at the NRW-Singapore Open Innovation Call and agree to the abovementioned commitments.

To facilitate the implementation of working arrangements for the Problem, we have appointed the  
following representative as the channel of communication for NRW.Global Business and Enterprise  
Singapore:

Attn: *(Regional Director)*

Address:

Telephone:

Email:

Signed for and on behalf of

(corporation name)

*PIC Name of Corporate Problem Partner  
PIC Designation*

Company Stamp with address