



# WARNING

In accordance with National Defence Security Orders and Directives (NDSOD), form **DND 4597-E - Pop up City Contest: Integrating Energy, Water and Waste Management Systems for Deployed Camps** is designated "**Protected B**" information once completed.

**For DND:** Completed "**Protected B**" forms **MUST NOT BE SAVED UNENCRYPTED** on any network and workstation drive or storage media. "**Protected B**" forms, when completed, **MUST BE ENCRYPTED USING THE DND ISSUED PKI SMARTCARD**. Failure to respect this requirement will result in a breach of security and administrative measures shall be applied in accordance with the policy.

# Pop up City Contest: Integrating Energy, Water and Waste Management Systems for Deployed Camps

## Contest Application Form (Round 1)

### Instructions

Contestants must complete this Application Form to participate in Round 1 of this Contest.

Prior to submitting an Application Form and any related documentation, Contestants must read the Contest Program Guide for more details.

All information requested in this Application Form is mandatory. Unless otherwise indicated, contestants must respect the character limits as identified in each question. Proposals that fail to provide the mandatory information required in this Application Form may be eliminated from this Contest.

A completed Application Form, a signed Declaration Form, and all other supporting documents must be submitted using Canada Post epost Connect™ service account. For more information on E-post and how to set up an account please see Section 2.12 of the Program Guide for more details.

Innovators may only submit one proposal for each technical domain. Should an innovator submit more than one application for a given technical domain, the IDEaS Program office will accept the first application received and will reject any subsequent submissions.

If you are including additional materials in support of your project proposal please submit them separately as part of your application package via your Canada epost™ Connect service account.

For any questions regarding this challenge please contact the IDEaS program office at: [IDEaSContests.IDEeSConcours@forces.gc.ca](mailto:IDEaSContests.IDEeSConcours@forces.gc.ca).

### Section 1: Contestant information

|   |            |   |         |             |                                   |            |   |         |             |       |                                   |       |       |       |
|---|------------|---|---------|-------------|-----------------------------------|------------|---|---------|-------------|-------|-----------------------------------|-------|-------|-------|
| <b>1.1 - Full legal name of the Contestant (the “Contestant”)</b><br>What is the full legal name of the entity submitting this Application Form?<br><br>  |            |   |         |             |                                   |            |   |         |             |       |                                   |       |       |       |
| <b>1.2 - Address of Contestant</b><br>What is the address of the Contestant?<br>Address ( <i>street number, street name, unit number, etc.</i> )<br><br><table style="width: 100%; border: none;"> <tr> <td style="width: 20%; border: none;">Telephone (<i>xxx-xxx-xxxx</i>)</td> <td style="width: 20%; border: none;">City</td> <td style="width: 20%; border: none;">Prov. / Terr.</td> <td style="width: 20%; border: none;">Country</td> <td style="width: 20%; border: none;">Postal code</td> </tr> <tr> <td style="border: none;"><hr/></td> <td style="border: none;"><hr/></td> <td style="border: none;"><hr/></td> <td style="border: none;"><hr/></td> <td style="border: none;"><hr/></td> </tr> </table>  |            |   |         |             | Telephone ( <i>xxx-xxx-xxxx</i> ) | City       | Prov. / Terr.   | Country | Postal code | <hr/> | <hr/>                             | <hr/> | <hr/> | <hr/> |
| Telephone ( <i>xxx-xxx-xxxx</i> )   | City       | Prov. / Terr.   | Country | Postal code |                                   |            |   |         |             |       |                                   |       |       |       |
| <hr/>   | <hr/>      | <hr/>   | <hr/>   | <hr/>       |                                   |            |   |         |             |       |                                   |       |       |       |
| <b>1.3 - Primary point of contact</b><br>Who will be acting as the primary point of contact for the Contestant?<br><i>Please note that this individual will receive all official correspondence for Round 1 of the Contest.</i><br><table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border: none;">Last name</td> <td style="width: 30%; border: none;">First name</td> <td style="width: 40%; border: none;">Position title (<i>e.g. Operations director, scientist</i>)</td> </tr> <tr> <td style="border: none;"><hr/></td> <td style="border: none;"><hr/></td> <td style="border: none;"><hr/></td> </tr> </table> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%; border: none;">Telephone (<i>xxx-xxx-xxxx</i>)</td> <td style="width: 60%; border: none;">Email</td> </tr> <tr> <td style="border: none;"><hr/></td> <td style="border: none;"><hr/></td> </tr> </table>   |            |   |         |             | Last name                         | First name | Position title ( <i>e.g. Operations director, scientist</i> ) | <hr/>   | <hr/>       | <hr/> | Telephone ( <i>xxx-xxx-xxxx</i> ) | Email | <hr/> | <hr/> |
| Last name   | First name | Position title ( <i>e.g. Operations director, scientist</i> ) |         |             |                                   |            |   |         |             |       |                                   |       |       |       |
| <hr/>   | <hr/>      | <hr/>   |         |             |                                   |            |   |         |             |       |                                   |       |       |       |
| Telephone ( <i>xxx-xxx-xxxx</i> )   | Email      |   |         |             |                                   |            |   |         |             |       |                                   |       |       |       |
| <hr/>   | <hr/>      |   |         |             |                                   |            |   |         |             |       |                                   |       |       |       |
| <b>1.4 - Contestant eligibility</b><br>Which of the following categories apply to the Contestant?<br><i>Please note that, to be eligible, Contestants must be duly incorporated and validly existing in Canada. See the Contest Program Guide section 2.8 for more details on eligibility.</i><br><input type="checkbox"/> Canadian post-secondary institution;<br><input type="checkbox"/> A provincial / territorial or municipal government organization;<br><input type="checkbox"/> An incorporated Canadian not-for-profit organization or association;<br><input type="checkbox"/> An incorporated Canadian for-profit company, organization or association;<br><input type="checkbox"/> Group, cluster or consortium composed of eligible recipients.<br>For contestants that have more than 3 members of their consortium please send an email to <a href="mailto:IDEaSContests.IDEeSConcours@drdc-rddc.gc.ca">IDEaSContests.IDEeSConcours@drdc-rddc.gc.ca</a> . |            |   |         |             |                                   |            |   |         |             |       |                                   |       |       |       |

**Formulaire disponible en français - DND 4597-F**

**1.4.1 - Consortium members**

If you are part of a group, cluster or consortium, identify the project lead for the group and which category of eligible recipient you fall under. As well, please identify each member (*collectively referred to as the "Contestants" for the purpose of the Contest*) of the group and which category of recipient they fall under.

Project lead: \_\_\_\_\_

1. Member: \_\_\_\_\_

- Canadian post-secondary institution
- A provincial / territorial or municipal government organization
- An incorporated Canadian not-for-profit organization or association
- An incorporated Canadian for-profit company, organization or association

2. Member: \_\_\_\_\_

- Canadian post-secondary institution
- A provincial / territorial or municipal government organization
- An incorporated Canadian not-for-profit organization or association
- An incorporated Canadian for-profit company, organization or association

3. Member: \_\_\_\_\_

- Canadian post-secondary institution
- A provincial / territorial or municipal government organization
- An incorporated Canadian not-for-profit organization or association
- An incorporated Canadian for-profit company, organization or association

**1.4.2 - Integrity**

Has the Contestant or Contestants participated in a Government of Canada real property or procurement transaction with the past 5 years? **Please note that this question applies to all members of a consortium** . . . . .  Yes  No

If **Yes** please provide the Procurement Business Number (PBN): \_\_\_\_\_

**Section 2: Solution proposal overview**

**2.1 - Technical domain identification**

For which technical domain is the Contestant proposing a solution?

- Technical domain A: Energy management
- Technical domain B: Potable water management
- Technical domain C: Waste / wastewater management

**2.2 - Solution title**

What is the title of the proposed solution?

**2.3 - Proposal information**

**2.3.1 - Detailed proposal**

Please describe in detail how the Contestant's proposed solution for the selected technical domain meets the Contest evaluation criteria for Round 1, as outlined below. Character limits, including spaces, are indicated for each section. Applicants must ensure that each evaluation criterion has been addressed in sufficient detail in its corresponding section.

Contestants can include up to 10 pages of supporting materials (*figures, tables, and background material*) with their completed application form.

*Please refer to the Contest Program Guide for further details on the evaluation and selection process for Round 1.*

**Project overview:** Provide an overview of the solution\* or approach to be used and its alignment with the **Pop up City** Contest: Contest objectives (see *Section 1.2 of Contest Program Guide*) (*maximum 1000 characters*).

\*"Solution" means the completed technology, process, etc., proposed to address the **Pop up City** Contest Challenge.

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.

**Project description (25% of total score):** Describe in detail the proposed solution and how it will achieve the desired outcomes and a demonstrable improvement to the technology domain (*i.e. energy, water or waste management*) in the From the **Pop up City** Contest: context. Include a description of any existing technologies and their SRL (*see Annex A of the Contest Program guide*) that will be used in developing the proposed solution (*maximum 4000 characters*).

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.

**Methodology (5% of total score):** Describe how the proposed solution will be developed to meet the objectives of the **Pop up City** Contest: Contest Round 1 (*maximum 1000 characters*).

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.

**Integration (5% of total score):** Describe how the proposed solution could be integrated with solutions from other technical domains sought for the **Pop up City Contest: Contest Round 1** (e.g. describe how the proposed fuel reduction solution could be integrated with any other water and waste management technologies) (maximum 1000 characters).

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.

**Scalability (10% of total score):** Describe how the proposed solution will be adapted to supply the varying needs of between 150 and 1500 personnel in a given RTC in temperate climate location (maximum 1500 characters).

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.

**Maintenance (10% of total score):** Describe the expected level of maintenance required for the proposed solution, including availability of replacement parts, and the anticipated level of specialized training required for operators of the technology (*maximum 1500 characters*).

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.

**Innovation (15% of total score):** Highlight the novel features of the solution relative to existing technologies (*maximum 1500 characters*).

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.

**Impacts (25% of total score):** Detail all anticipated environmental impacts (*positive or negative*) of the proposed solution in an RTC temperate climate zone. Describe any particular features of your solution that would have a positive impact on personnel and/or the operation of the RTC (*maximum 3000 characters*).

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.

**Applicant credentials (5% of total score):** Detail your expertise and track-record within the chosen technology domain in section 2.1 (*maximum 1000 characters*).

If you have included supporting material with your application which provides additional information to support your response to this question please list them below and indicate which sections or pages you are referring to.



