## DMTC Military Engineering ISR

## RFI Response Form

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| Title | Engineer ISR Concept: Military Engineering Specific Information, Surveillance and Reconnaissance data collection |
| DMTC Program | Information, Surveillance and Reconnaissance |
| Issue Date | 20 February 2025 |

DMTC is releasing [this RFI](https://www.dmtc.com.au/wp-content/uploads/2025/02/DMTC-RFI-Military-Engineering-ISR-Concepts.pdf) to understand capabilities and identify potential partners from industrial and academic organisations to collaborate in the development and enhancement of Defence relevant capabilities in Military Engineering Information, Surveillance and Reconnaissance.

The specific area of interest is autonomous reconnaissance of gaps to assess their suitability for wet/dry temporary Military Bridging. In addition, we are seeking information on capabilities related to AI-assisted compilation of gap reconnaissance/bridge design proformas via an online tool (to be held within the Defence Protected Environment).

The response to this Request for Information (RFI) form will be reviewed by the DMTC ISR Team/Project Sponsor, to determine if your area of expertise, research or technology is deemed to have merit. Having your RFI response reviewed is **NOT** a guarantee that you will receive funding.

* Your answers may include as much or as little detail as you feel is necessary.
* Please provide your responses in the text boxes provided wherever possible.

## Respondent Details

|  |  |
| --- | --- |
| Organisation Name | [Insert Here] |
| Address of Registered Office | [Insert Here] |
| Australian Business Number | [Insert Here] |
| Telephone | [Insert Here] |
| Facsimile | [Insert Here] |
| Email | [Insert Here] |
| Web | [Insert Here] |
| Contact Person | [Insert Here] |
| Phone | [Insert Here] |
| Email | [Insert Here] |
| Business Type(select all that apply) | SME/Sole Trader/Private Company/Public Company/University/PFRA /Other (specify) |

## Response Schedule/Specific Information Requested

### Research Themes

Please indicate to which Research Themes you believe your organisation can contribute:

|  |  |
| --- | --- |
| Autonomous terrain survey focusing on gaps being considered for wet temporary bridging in a Military context including remote mapping and measuring | Y/N |
| Autonomous terrain survey focusing on gaps being considered for dry temporary bridging in a Military context including remote mapping and measuring | Y/N |
| Conversion of remotely collected data into a bridge design tool (military context) | Y/N |
| Conversion of pdf Gap Analysis/Bridge design proformas into online tool which autogenerates from collected data (tool must be not be restricted by licence and be able to be integrated/operable on the Defence Protected Environment). | Y/N |
| Autonomous Terrain Survey focusing on surveying sites suitable for Temporary Military Construction Tasks | Y/N |
| Autonomous Terrain Survey focusing on surveying sites suitable for Permanent Military Construction Tasks | Y/N |
| AI assisted collation of data collected from construction site survey for input into a Construction Management System (Suitable for nesting on the Defence Protected Environment | Y/N |

### Description of Area of Expertise, Research and/or Technology

Give a brief description of your organisational capability and capacity to undertake R&D relevant to the Research Themes above. Please provide exemplars of tangible outcomes from previous work. (1000 words max or 2 pages including pictures, illustrations or diagrams)

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| [Insert Here – 1,000 words max] |

### Description of Current Research Programs

Please indicate current research programs being undertaken that are relevant to the research themes and brief description of these. (400 words max)

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| [Insert Here – 400 words max] |

### Description of Current or Potential Collaborations

Please indicate whether your organisation has previously engaged with Defence on other research and development projects in Military Engineering, ISR or related fields. (200 words max)

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| [Insert Here – 200 words max] |

Is your organisation collaborating with other groups in this technology space on similar or relevant projects that may be able to compliment the Research Themes above? If so, who are these groups/organisations? (please feel free to share this RFI with them) (200 words max)

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| --- |
| [Insert Here – 200 words max] |

Please provide any relevant project outcomes, publications, products or services which demonstrate your capability to address the Research Themes? (10 items max)

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| --- |
| [Insert Here – 10 items max] |

## Next Steps

Once we receive your completed RFI response, we will collate, review and utilise the information provided from all responses to influence and refine the program priority areas ahead of seeking program partners.

Completing this form will help us in determining which organisations we will specifically target in any future calls for proposals.

Please note, the invitation to submit this RFI response does not mean that your organisation is guaranteed of future work, or automatically eligible to participate in a research proposal submission.

**Sign below once you are satisfied that you have completed the form correctly**.

I declare that the information given in this Requestion for Information form is true and accurate to the best of my knowledge and belief.

I declare that I have permission from my organisation and any other partner organisation(s) noted to discuss their capabilities and to sign the Request for Information form on their behalf.

|  |  |
| --- | --- |
| Organisation of Respondent | [Insert Here] |
| Print Name of Contact Person | [Insert Here] |
| Signature of Contact Person |  |
| Date (dd/mm/yyyy) | [Insert Here] |