**FUSION R&I Technology Development Programme LITE**

**Application Form**

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| **Proposal Reference No.**  *For Office Use* | ***R&I-202X-XXX-L*** |
| **Full Project Title**  *The project title should not exceed 200 characters in length.* | brian warrington |
| **Acronym** | brian warrington |
| **Current TRL:** brian warrington | **Proposed End TRL:** brian warrington |
| **Duration in Months:**  *(12 or 18 months)* | **Start Date** *Project must start by 1st June, 2024* |
| **Smart Specialisation Area:**  *Select only 1 area in which the technology is being developed.* | * Aviation and Aerospace * Health & Wellbeing * Smart Manufacturing * Digital Technologies * Marine & Maritime Technologies * Sustainable use of Resources for Climate Change Mitigation & Adaptation |
| **Keywords:**  *Referring to the Scientific Areas in the* [*Resource Page*](https://mcst.gov.mt/resource-page/)*, please list the most relevant up to three of the most relevant areas of this proposal.* | 1. brian warrington 2. brian warrington 3. brian warrington |
| **Brief Description of Project**  ***Should not exceed 250 words.*** *(NB: If the proposal is awarded, this abstract may be uploaded to the MCST website Please ensure that no detail with may compromise and IP potential is included.)* | |

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| **Organisation Name** | **Organisation Type** | **Total Requested Funding (per organisation)** |
| brian warrington | brian warrington | *(€150k max)*  brian warrington |

***Use this form by entering text in the grey fields and ticking tick boxes where applicable. Images may be referred to in the main text and inserted after the grey field for the relevant section. Any additional data can be placed in an appendix at the end of the proposal and referenced accordingly. Each appendix must not be longer than 2 pages each.***

***Please delete the guidelines in italics before submitting your proposal.***

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| **Organisation Name**  **Organisation N.A.C.E. Code**  *(Where applicable)* | **Application route** |
| brian warrington  Registration Number: *(where applicable)*  NACE Code/s: brian warrington  A list of NACE Codes may be accessed by [clicking here](https://ec.europa.eu/eurostat/documents/3859598/5902521/KS-RA-07-015-EN.PDF) | *de minimis* aid (Rules - Option A1)  GBER aid (Rules - Option A2) |
| Not State Aid (Rules - Option B) |

***Regarding the above table, please select the situational application of State aid that the applicant will be applying under. Relevant justifications and declarations will need to be filled in and signed at the end of the application.***

**For Applicants selecting Option B:**

*Funding associated with this Option shall be limited to activities of a non-economic character of public research and knowledge dissemination organisations or of public entities, that do not carry out an economic activity within the meaning of Article 107 TFEU. Details as related to non-economic activities of research and knowledge dissemination organisations are available within the Commission “Framework for State aid for research and development and innovation” (OJ C 414/01, 28.10.2022) which is accessible through*

[*https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=uriserv:OJ.C\_.2022.414.01.0001.01.ENG*](https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=uriserv:OJ.C_.2022.414.01.0001.01.ENG)

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| **Justification for public entities**  **OR**  **Justification for public research and knowledge dissemination organisations, as per Framework for State aid for research and development and innovation (OJ C 414/01, 28.10.2022)**  *Provide justification as to why State aid rules are not applicable.*  brian warrington |

**For Applicants selecting GBER Option A2:**

**Entities applying under GBER, kindly note that this application will need to include the following forms:**

* Undertaking in difficulty Form
* Entity size declaration
* Effective Collaboration and/or Wide Dissemination, etc Form

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| Type of research tasks undertaken by the Malta-based applicant in the proposal  *[The research type(s) of project tasks eligible within this Call encompass either ‘Industrial Research’, and/or ‘Experimental Development’ as defined in the National rules for participation. Please note that these classifications need to correspond to the activities that you will be undertaking. Such activities could be of mixed research type and might not necessarily be of the same research type as activities undertaken by other partners in the consortium.]* | Industrial Research  Experimental Development  Mixed  If Mixed Percentage Industrial Research:  If Mixed Percentage Experimental Development: |
| Provide a clear and thorough justification of the selected research type(s) If “mixed” was chosen, a clear percentage of each type of research should be mentioned: | Click or tap here to enter text. |

Please note, the Council reserves the right to request additional information to verify aid intensity declaration.

**Entities applying under *de minimis* aid (Option A1 of the State aid scheme), kindly note that this application will need to include the *de minimis* declaration form.**

1. **Excellence**

*Kindly note, for section 2 and 3 images, tables and references may also be included within reason and are not subject to the word limit.*

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| 1. Describe the proposal’s main aims and objectives? *(500 words)* |
| *Make sure that the aims and objectives of the project are clear, achievable, and not over ambitious within the timeframe proposed.*  *A clear distinction between the aims and the objectives has to be made.*  *Moreover, the proposal must be practical i.e., the proposed aims and objectives should be technologically possible, especially when considering the size of the grant.* |
| 1. What is the current, most recent, state of the art technology or service? How does your proposal go beyond the current state of the art? *(500 words)* |
| *Give examples of the current State-of-the-Art product / service / technology available and highlight how your proposal will go beyond – explain the leap (technologically and commercially) your proposal will take.* |
| 1. What is the current status of the technology in terms of development? Are there significant risks associated with the development which can impact the final efficacy of the technology or service? What are the plans to mitigate these risks?  *(500 words)* |
| *Discuss risks and mitigation strategies related to the technical excellence (e.g., specifications, requirements, etc.) of the product which may affect its ability to complete its intended goals.*  *Identify the probability of risks occurring and the impact should they occur, possibly in the format of a table. Mitigation plans should also be briefly outlined for each risk.*  *It is important to make sure that this is consistent with the TRL proposed on page 2.* |
| 1. Will the proposed technology be novel on a local or global level? Does the innovation have potential to create or disrupt markets? *(500 words)* |
| *In consideration to question 2 of this section, state on what level the technology is innovative. Also describe if it has any ability to change the way the current market operates or generate a new market entirely.* |

1. **Impact**

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| 1a) Justify the commercial viability of the proposed product or service by *(750 words)*;   * 1. Identifying and describing markets and end users.   2. Outlining specifications based on user needs and cost per unit.   3. Providing a competitive analysis and defining any Unique Selling Points (USPs).   **OR – in cases where the project is targeted at increasing operational efficiency *(delete question as necessary)***  1b)How will the project impact your own entity? If the project improves your operational efficiency or increases you market resilience, kindly describe how in quantitative terms? Does the technology have significant scale-up potential? (750 words)  *For proposals that focus on the technology development of a commercialisation product or service, please answer question 1a). For proposals focusing on a process innovation (which means the implementation of a new or significantly improved production or delivery method. This includes significant changes in techniques, equipment and/or software) answer question 1b).* |
| *Proposals may have a focus on having on either a commercialisable product or an innovative solution that should increase their operational capacity. For the former, a basic feasibility study should already be prepared, it is important to provide the details of that study.*  *For the latter, process innovation is also eligible under this funding scheme. It is important to describe the effect this will have on your own operations ideally in quantitative terms including impact on the market.* |
| 1. Highlight any critical, overarching risks associated with the commercialisation and marketability of the project and accompanying mitigation strategies *(500 words)*. |
| *Identify the drivers and pressures that are likely to constitute sources of risk to the project and the sensitivity of the project to specific shocks to determine the critical risk variables.*  *Identify the probability of risks occurring and the impact should they occur, possibly in the format of a table. Mitigation plans should also be briefly outlined for each risk.*  *Scenario analysis should be undertaken to quantify the effects of pre-determined shocks, and to identify the extent of shocks required to completely remove the benefits of the project.* |
| 1. Does the proposal address National, European Union or Global Priorities? Characterise the influences and impacts that the project will have on end-users or customers? *(500 words)* |
| *Refer to relevant national and international policy documents to highlight the importance of your innovation.*  *Kindly note that your entity may also be considered an end-user, particularly if the project focuses on increasing operational efficiency and process innovation.* |
| 1. Have you considered a Freedom to Operate analysis? If so, what were the results? If there is a plan to protect any Intellectual property, kindly provide a strategy. *(500 words)* |
| *A freedom to operate analysis determines whether the proposed technology would infringe on existing Intellectual property. If this project is going to generate new Intellectual property, include a reasoned plan for the protecting that IP (type of protection, timeline, budgeting, network).* |
| 1. Kindly include a high-level plan for further development on the project beyond the timeline of this proposal. *(350 words)* |
| *Please provide a general overview of the overall plan for the project up to commercialisation. This can be supported with a Gantt Chart if need be. Any KPI’s and parameters that will be used to assess this progress can also be listed here.* |

1. **Implementation**
   1. **Deliverables**

*List the deliverables of the proposed project, specifying the month of completion relative to start of project e.g., Month 6, Month 12 and so on. Note that the deadline for any particular deliverable would be the end of the respective Month specified. Multiple tables are provided and should be filled in for each entity. These deliverables need to be submitted to the council as appendices of the end of stage/ end of project report.*

*Deliverables need to be* ***tangible and submissible.*** *The deliverables should include:*

1. *Those specific to the project for example tangible events and/or reports related to installation, testing, implemented procedures and so on;*
2. *The ‘mandatory deliverables’ required by the Council as per the Rules for Participation i.e.*

* *Publication of one local articles per stage*
* *Minimum of three meetings (kickoff, interim and end of project) with the Council including presentation.*
* *Reports to be submitted to the Council:*
  + *Final audited financial report*
  + *End of project technical report*
* *Submit one research paper to an open access high impact factor journal (and file in an institutional repository if possible)*

*The first few rows have been filled with the mandatory deliverables. Insert rows as necessary. Please sort the deliverables in chronological order.*

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| **Deliverables** | **Format** | **Date** |
| D[X]. Regular meetings and presentation with the MCST | Presentation | Months brian warrington |
| D[X]. Article in local media *(replicate as necessary)* | Media Article | Month brian warrington |
| D[X]. Final Technical Report | Report | Month [End of Project] |
| D[X]. Audited financial Report | Report | Month [End of Project + 1 month] |
| D [X]. [Add as required] |  | [Add as required] |

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| * 1. **Other Issues** |

*If applicable, briefly identify any gender, ethical or legal issues that may be connected with the proposed project. Otherwise enter “n/a”.*

As stated in the ‘Rules for Participation’, in the event that two or more projects obtain the same mark following evaluation by the external evaluators, then the Council shall give priority to that project which provides the best consideration to:

* the implementation of gender equality in the project
* other sources of co-financing aside from the mandatory contributions.

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| * 1. **High Level Project Plan** |

*This section should include a list of deliverables and activities (tasks) that the applicant will be responsible for, the start date, end date and duration of the task. The mandatory work packages are Project Management and Commercialisation. WP1 (Project management) is partly filled in as an example.*

*These Work packages should be consistent with the TRL Advancement proposed in the initial section of this application form. It is recommended that commercialisation and dissemination work packages are also included.*

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| **Work Package Description** | **Start Date** | **End Date** | **Duration** |
| ***Overall Project*** | Month brian warrington | Month brian warrington | Month brian warrington |
| **Work package number** 1  **Work Package leader** <Enter Name of Individual>  **Work package title** Project Management  **Work package description** *(max 100 words)*  brian warrington  **Deliverables pertaining to this Work Package** *(insert the number of the deliverable, ex. D1)*  D1 Progress meetings with the Council  D3 Final Technical Report  **Activities pertaining to this Work Package** *(provide a brief explanation on each activity – max. 50 words per activity)*  Activity 1.1- Kick Off meeting.  Activity 2.1 Engaging of the required personnel - brian warrington  Activity 3.1 End of Project Technical Report - Overview of the scientific and technical data achieved across the entire project. To be completed in the Council’s approved templates.  Activity 3.2 End of Project Financial Report and Audit Report - Audited accounts provided by the appointed auditors.  **Risks and mitigation strategies pertaining to this Work Package:** *(provide a brief description, include impact and probability – max. 200 words per work package)*  brian warrington | Month 1 | Month brian warrington | Months  brian warrington |
| **Work package number** brian warrington  **Work Package leader** <Enter Name of Individual>  **Work package title** brian warrington  **Work package description** *(max 100 words)*  brian warrington  **Deliverables pertaining to this Work Package** *(insert the number of the deliverable, ex. D1)*  brian warrington  **Activities pertaining to this Work Package** *(provide a brief explanation on each activity – max. 50 words per activity)*  brian warrington  **Risks and mitigation strategies pertaining to this Work Package:** *(provide a brief description, include impact and probability – max. 200 words per work package)*  brian warrington | Month brian warrington | Month brian warrington | Month brian warrington |
| **Work package number** brian warrington  **Work Package leader** <Enter Name of Individual>  **Work package title** Commercialisation  **Work package description** *(max 100 words)*  brian warrington  **Deliverables pertaining to this Work Package** *(insert the number of the deliverable, ex. D1)*  brian warrington  **Activities pertaining to this Work Package** *(provide a brief explanation on each activity – max. 50 words per activity)*  brian warrington  **Risks and mitigation strategies pertaining to this Work Package:** *(provide a brief description, include impact and probability – max. 200 words per work package)*  brian warrington | Month brian warrington | Month brian warrington | Month brian warrington |

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| * 1. **Gantt Chart** |

*The project Gantt chart should be inserted here. It should include a list of the work packages, deliverables and related activities on the left and a suitable time scale along the top. Each deliverable and/or activity should be represented by a bar. The position and length of the bars should reflect start dates, duration and end dates. The dates when all reports should be submitted should also be noted.*

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| * 1. **Key Personnel** |

*Should there be any changes to the key personnel highlighted herein, the Council must be notified in writing with immediate effect. If a key researcher has not been employed prior to the submission of this application form, a profile of the expertise required should be noted herein*

**CV of the Existing Individuals working on the Project are to be submitted as an Appendix.**

**Should further key personnel be required but still have not been recruited, kindly provide a profile with Job title in the same appendix.**

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| * 1. **Budget** |

**Budget Summary**

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|  | **Aid Intensity[[1]](#footnote-1)** | **Eligible Direct Costs €** | **Eligible Indirect Costs €** | **Total Eligible Costs €** | **Requested Funding €** |
| Entity Name | <##>% | brian warrington | brian warrington | brian warrington | brian warrington |
| ***Total*** |  | **brian warrington** | **brian warrington** | **brian warrington** | **brian warrington** |

**Budget Detail by Organisation**

*Give an estimate of the project budget in Euros (€), broken down per participant per stage.*An excel sheet is uploaded on the website together with the application form to assist in the calculations.

1. *Eligible direct costs:* 
   * *Personnel*

***Give details of position, hourly rate, duration in number of hours, in the format of: research assistant x €15.16/hour x 100 hours.***Hourly rates should include National Insurance and Inland Revenue and allowances (please note: overtime is not an eligible costs and work hours should adhere to all Maltese Employment Legislation). This line item includes but is not limited to:

* + - *Management hours to be included in this line. Kindly note there is a limited of 10%*
    - *Scholarships (Master’s or PhD student) for the duration of the project.*
  + *Equipment (purchase/lease )*
  + *Subcontracting*
  + *Travel (only for Option A1 and Option B)*
  + *Other (including scientific information and consumables)*

1. *Overheads and other operating expenses are calculated at 20% of the direct costs except subcontracting*.
2. *Audit fees must form part of the overheads and therefore should not be input as a separate budget line.*
3. *Total eligible cost is the sum of eligible direct costs and overheads*
4. *Requested Funding is calculated as a percentage of the total eligible cost*
   * *Maltese Public Entities and public research and knowledge dissemination organisations, not carrying out an economic activity within the meaning of Article 107 TFEU, at 100% aid intensity when applying under option B.*
   * *Maltese Private Body (includes but not limited to limited liability companies, partnerships and Higher Education Institutes carrying out an economic activity) at 75% under de minimis aid, or as applicable under Option A2-GBER.*
5. *All figures should be provided to the* ***nearest Euro.***

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| **Applicant** | **Eligible Direct Costs €** | **Eligible Indirect Costs €** | **Total Eligible**  **Costs €** | **Requested Funding €** |
| Personnel  *(Give details of position, duration, rate)*  *e.g. researcher x 100 hours x €18.76/hr* |  |  |  |  |
| brian warrington | brian warrington | brian warrington | brian warrington | brian warrington |
| Equipment  brian warrington | brian warrington | brian warrington | brian warrington | brian warrington |
| Subcontracting  brian warrington | brian warrington | brian warrington | brian warrington | brian warrington |
| Travel  brian warrington | brian warrington | brian warrington | brian warrington | brian warrington |
| Overheads & Other Operating Expenses  brian warrington | brian warrington | brian warrington | brian warrington | brian warrington |
| ***Total*** | **brian warrington** | **brian warrington** | **brian warrington** | **brian warrington** |

**d. Summary of Stage Budget**

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| **Tranche** | **Start Month** | **End Month** | **Requested**  **Funding €** |
| Pre-financing (80% of total requested funding)) | Month 1 | Month brian warrington | brian warrington |
| **Retention**  (20%[[2]](#footnote-2) of total requested funding) |  |  | brian warrington |
| **Total** | | | **brian warrington** |

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| * 1. **Participant Details** |

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| **Project Contact for Organisation** | |
| Name | brian warrington |
| Position | brian warrington |
| Mobile / Telephone | M brian warringtonT brian warrington |
| Email | brian warrington |

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| **Organisation Profile** |
| 1. Brief history, when established, number of employees.  brian warrington  2. Field of activity and core competencies and resources.  brian warrington  3. Other relevant information.  brian warrington |

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Signature of Entity’s Legal Representative

Project Coordinator

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Project Coordinator

<Insert Name of Project Coordinator>

Project Coordinator

The signatories to this application form are hereby confirming that the FUSION Programme ‘Rules for Participation’ are read and accepted.

1. Maximum Aid intensities are as follows: 100% for participants applying under Option B, a maximum 75% for participants applying under option A1- *de minimis*, the aid intensity for applicants under option A2- GBER will vary depending on the size of the beneficiary, etc, please refer to Rules for participation A2 for more information. [↑](#footnote-ref-1)
2. The Council reserves the right to vary this parameter between award and grant agreement signature. [↑](#footnote-ref-2)