

CALL INFORMATION

IDENTIFIER: Magician01 Call (OC1_AS1)

PROJECT FULL NAME: Immersive Learning For Imperfection Detection And Repair Through Human-Robot Interaction

ACRONYM: MAGICIAN

GRANT AGREEMENT NUMBER: 101120731

DEADLINE: 02.05.2025, 5 PM (CET)

*Note: All parts of this document in **red** are explanatory guidance notes. Please delete these guidance notes and replace them with your own text.*

Title: *[Application Solution Name]*

Acronym of the Application Solution (AS) *[Short Name, less than 10 characters recommended]*

Do not delete headings, subheadings and tables.

TEMPLATE OF PROPOSAL of Single and Twin Application Solution

IMPORTANT NOTICE!

The maximum total length of the technical proposal (Section 1-3) must not exceed 15 pages (minimum font dimension 11, font Calibri, minimum margins 1,5 up/down - 1,5 left/right) not including the title page, the administrative declarations and Section 4 – Ethical issues. **Proposals exceeding the page length indicated will be penalized as any page beyond the allowed length will not be read or taken into account during the evaluation process.**

Exceeded pages allowed: Applicants are free to provide limited additional information such as letters of support or additional data or references in the Appendix that does not count to this page maximum length. However, please note that they will be regarded as supportive only and will not be factored into the formal evaluation process.

Table of content

| | |
|---|----|
| ADMINISTRATIVE DECLARATIONS | 5 |
| PROPOSAL SUMMARY..... | 7 |
| 1. EXCELLENCE | 8 |
| 1.1 CONCEPT AND OBJECTIVES | 8 |
| 1.2 PROPOSED INNOVATION DESCRIPTION..... | 8 |
| 1.3 HUMAN-CENTERED PERSPECTIVE | 9 |
| 2. IMPACT | 9 |
| 2.1 INDUSTRIAL RELEVANCE & POTENTIAL IMPACT | 9 |
| 2.2 BUSINESS PLAN ORIENTED DESCRIPTION:..... | 10 |
| 3. IMPLEMENTATION | 10 |
| 3.1 COMPANY(IES) DESCRIPTION | 11 |
| 3.2 COOPERATION AND PARTNERS ROLE | 11 |
| 3.3 WORKPLAN INCLUDING THE PROJECT DURATION | 11 |
| 3.4 JUSTIFICATION OF PLANNED COSTS AND RESOURCES | 13 |
| 4. ETHICAL ISSUES | 14 |



SINGLE AS



TWIN AS

For a **Single AS proposal**, please fulfil below the column "Single AS".
For a **Twin AS proposal**, please fulfil below the column "Twin AS" for both companies.

| Single AS One company | Single / Twin AS | |
|--|--|--|
| | Company #1: coordinator | Company #2 |
| Participant organisation/company: <i>[Organization/Company name]</i> | Participant organisation/company: <i>[Organization/Company name]</i> | Participant organisation/company: <i>[Organization/Company name]</i> |
| Organization/Company Number: <i>[Organization/Company number or national equivalent if available]</i> | Organization/Company Number: <i>[Organization/Company number or national equivalent if available]</i> | Organization/Company Number: <i>[Organization/Company number or national equivalent if available]</i> |
| Organization/Company Website <i>[URL /link if available]</i> | Organization/Company Website <i>[URL /link if available]</i> | Organization/Company Website <i>[URL /link if available]</i> |
| Country: | Country: | Country: |
| Contact person name: <i>[Name]</i> | Contact person name: <i>[Name]</i> | Contact person name: <i>[Name]</i> |
| Contact person phone number: <i>[Phone number]</i> | Contact person phone number: <i>[Phone number]</i> | Contact person phone number: <i>[Phone number]</i> |
| Contact person email: <i>[Email address]</i> | Contact person email: <i>[Email address]</i> | Contact person email: <i>[Email address]</i> |
| Contact person position in the organization/company: <i>[Position in company]</i> | Contact person position in the organization/company: <i>[Position in company]</i> | Contact person position in the organization/company: <i>[Position in company]</i> |

Please make sure that your information here is the same that you entered in the submission portal.

Email address to which the acknowledgement of receipt should be sent:

[insert]



ADMINISTRATIVE DECLARATIONS

Please answer the following questions. Failure to answer them might render the proposal ineligible to be selected for funding.

- In case of a SINGLE AS with one applying company, to be fulfilled by the applicant
- In case of a TWIN AS with two applying companies, to be fulfilled by company #1 (coordinator) on behalf of the two companies.

1. We confirm that the proposed work has not previously, or is not currently been funded under any other (Regional, National or EU) programme:

Yes No ¹

If you select "No" or do not select anything here, the proposal might be ineligible to be selected for funding. Please contact MAGICIAN Helpdesk for guidance if you do not know how to answer this.

If appropriate or necessary, please add a comment here, explaining your answer to the question above.

2. We confirm that the company "*Coordinator company name*" does exist, is not bankrupted and have or will have the necessary stable and sufficient resources to implement the MAGICIAN Application Solution,

Yes No

If you select "No" or do not select anything here, the proposal might be ineligible to be selected for funding. Please contact MAGICIAN helpdesk for guidance if you do not know how to answer this.

If appropriate or necessary, please add a comment here, explaining your answer to the question above.

¹ If the option "No" has been selected but it is subsequently revealed that the proposed work has been previously funded by another program, MAGICIAN reserves the right to withhold the grant.

LIST OF ABBREVIATIONS

| ACRONYM | DESCRIPTION |
|---------|----------------------------------|
| AS | Application Solution |
| FSTP | Financial Support To Third Party |
| IP | Intellectual Property |

PROPOSAL SUMMARY

Mandatory (maximum of 2000 characters including spaces)

Describe your proposal high level. It must be clear which module of functionalities (F1 or F2) your proposal is focusing on integrate (see section 2. Guide For Applicants)

Please note that this information may be used for dissemination purposes

1. EXCELLENCE

1.1 CONCEPT AND OBJECTIVES

Describe the specific **concept and objectives** for the Application Solution, which should be **clear, measurable, realistic and achievable** within the duration of the Application Solution (max. duration 12 months)

Objectives should be consistent with the expected exploitation and impact of the Application Solution. Illustrate how each objective aligns with the overarching goals of the MAGICIAN project.

Please indicate the specific two MAGICIAN functionalities (maximum) within the chosen module (F1 or F2) that you wish to integrate or apply for

Provide a clear list of the Application Solution objectives, along with related KPIs to demonstrate that the objectives are measurable, realistic, and achievable, and indicate the associated work package (WP²).

RECOMMENDED 2 PAGE

1.2 PROPOSED INNOVATION DESCRIPTION

Please provide an overview of the progress beyond the state of the art, the potential innovation and the targeted automation, defect management and system embedded:

Describe how you ensure to be GDPR compliant and how to respect security and privacy

- Describe the advancements your proposal offers beyond the state-of-the-art and explain how the proposed functionalities can be ambitiously integrated into the existing MAGICIAN solution. You may indicate the TRL³ of your application solution (start and target at the end of the project).

What is the main differentiator of your proposition compared to the state of the art or existing product?

- Describe the innovation potential, which the proposal represents for your company(ies). Where relevant, refer to products and services already available on the market. Please refer to the results of any patent search carried out.
- Describe the measures to respect European policies regarding data protection

² A work package (WP) is a major sub-division of the work plan of your project. (A single activity is not a WP, A single task is not a WP; A % of progress is not a WP e.g. 50 % of the tests,; A lapse of time is generally not a WP e.g. activities of year 1) https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-funding-what-do-i-need-to-know_he_en.pdf

³ <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/faq/2890>

and privacy, how you ensure to be GDPR compliant.

- *Is the feasibility of the solution demonstrated already? Please explain if your solution is already developed considering that MAGICIAN project is targeting solutions already at TRL5 that aim to achieve TRL7 (MANDATORY AS IT IS CONSIDERED AN EXCLUSION CRITERIA)*
- *Describe the level of innovativeness of your proposed solution*

RECOMMENDED 1,5 PAGES

1.3 HUMAN-CENTERED PERSPECTIVE

Please provide a description of how your Application Solution incorporates key human-centered principles to ensure inclusivity, ethical responsibility, and demonstrated expertise:

- *Describe how gender and diversity perspectives are integrated into your AS. Focus on the approach you will use to addressing these aspects within the project design and implementation*
- *Identify any ethical issues relevant to your sub-project and detail your strategies for managing them effectively.*
- *Highlight your team's experience in conducting human-centered projects, emphasizing the methods and methodologies you have successfully used in the past.*

RECOMMENDED 1 PAGE

2. IMPACT

2.1 INDUSTRIAL RELEVANCE & POTENTIAL IMPACT

Describe the industrial relevance of your project, potential impact (improved defect detection and prediction, minimization of production interferences, enhancement of workplace safety conditions, reduction of production time, and early-stage quality control. IP management sales, return on investment and profit), exploitation plan and business view.

Provide insights on how your project will contribute to

- *The potential impact on the industry, on your market, including the improvement of the innovation capacity of your company(ies). Provide specific examples of*

how the project will facilitate the adoption/integration of new technologies, processes, or methodologies, by considering the compatibility with the ones currently used by MAGICIAN

- *Describe the plan for protecting innovations and ensuring that the benefits of the project are accessible while respecting IPR regulations.*
- *Outline how the project contributes to sustainability, workforce safety and responsible manufacturing practices*
- *Explain how your project will improve defect detection and correction in the early stages of production.*
- *Describe how your solution efficiently manages tasks across multiple robots, minimizing interference and adapting to the production environment.*
- *Describe how your solution reduces the need for human intervention in risky tasks, enhancing safety and working conditions.*
- *Detail the ability of your solution to adapt to different production stages and industrial environments.*
- *Explain how the solution contributes to reducing production times and maintaining uniform product quality.*
- *Explain how your project leverages data analytics and machine learning to enhance defect prediction, enabling proactive measures in quality control before final production stages.*

Please be specific and provide only information that applies to the proposal and its objectives. Wherever possible, use quantified indicators and targets.

RECOMMENDED 3 PAGES.

2.2 BUSINESS PLAN ORIENTED DESCRIPTION:

- *What is the market attractiveness of the proposal? Provide insights into how the solution meets current market needs and anticipates future trends.*
- *What is the business model/exploitation strategy?*
- *Explain your possible sales and marketing strategy. Detail the expected economic benefits, including cost savings, efficiency improvements, and potential revenue generation.*

RECOMMENDED 1 PAGE.

3. IMPLEMENTATION

3.1 COMPANY(IES) DESCRIPTION

Single/Twin AS: applying company(ies)

Provide a brief description of the legal entity (e.g., the type of company, age, size, country, focus domain(s), tech/non-tech, “newcomers” to EU programs or have prior experience), the main tasks and the previous experience relevant to those tasks. Provide also a short profile of the individuals who will be undertaking the work.

Describe the needed expertise from the involved MAGICIAN competences partners.

Specify the needed support for innovation management from MAGICIAN partners.

RECOMMENDED 1 PAGE to 1.5 PAGES in case of two applying companies AS proposal.

3.2 COOPERATION AND PARTNERS ROLE

Please describe who is your AS partner and the terms agreed for the collaboration

RECOMMENDED MAX 0.5 PAGE

3.3 WORKPLAN INCLUDING THE PROJECT DURATION

Please provide the following:

- Brief presentation of the overall structure of the work plan and timing of the work plan (6-12 months)*
- List of necessary competencies, MAGICIAN technologies that will be used or that are targeted*
- Please add a GANTT-Chart to visualize the duration of the individual WPs over the duration of the Application Solution.*
- Detailed work description (use the template provided below; 1 table per WP). Applicants are required to structure their proposals with a maximum of 5 Work Packages, including one dedicated to project management.*
- Provide a comprehensive risk management plan, detailing strategies for mitigating identified risks and ensuring project resilience.*
- Please add a list of deliverables using the provided table.*

RECOMMENDED up to 3,5 PAGES

| | | | |
|---|--|--------------------|--|
| Work package number: | | Start Date: | |
| Work package title: | | | |
| Planned Person-months⁴: | | | |

| |
|-------------------|
| Objectives |
|-------------------|

| |
|--|
| Description of work (where appropriate, broken down into tasks) |
|--|

| |
|---|
| Deliverables (brief description and month of delivery) |
|---|

Table 1: List of Deliverables

| Deliverable (number) | Deliverable name | Work package number | Participant Name | Type ⁵ | Dissemination level | Delivery date |
|----------------------|------------------|---------------------|------------------|-------------------|---------------------|---------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

⁴ In case of more than one participating company, please assign values for all involved participants here.

⁵ Use one of the following codes:

R:Document,report

DEM: Demonstrator, prototype

DEC:Patents filing, press & media actions, videos, etc.

OTHER: Software, etc.

| Deliverable (number) | Deliverable name | Work package number | Participant Name | Type ⁵ | Dissemination level | Delivery date |
|----------------------|------------------|---------------------|------------------|-------------------|---------------------|---------------|
| | | | | | | |
| | | | | | | |

3.4 JUSTIFICATION OF PLANNED COSTS AND RESOURCES

Please provide a summary of required efforts per WP using the table below.

RECOMMENDED 0.5 PAGE

| Participant Name | WP Number | Estimated eligible costs | | | | | |
|------------------|-----------|--------------------------|---------------------|------------------------|--------------------|-----------------|-----------------------|
| | | Effort (PM) | Personnel Costs (€) | Other Direct Costs (€) | Indirect Costs (€) | Total Costs (€) | Requested Funding (€) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Total | | | | | | | |

In column 'Effort', insert the required person months for the work involved.⁶

In column 'Personnel Costs', insert your personnel costs for the work involved. ATTENTION: The personnel costs are to be consumed by the workforce in the country where the Third Party that has been granted the fund is registered (a transfer of funds to affiliated or associated organisations is not allowed and would fall within the subcontracting rules).

In column 'Other Direct costs', insert any other direct costs, for example, material or travel costs (technical meetings, dissemination activities, etc.)

⁶ You may refer to the Guide of Applicants for further information on these different categories of costs.

In column 'Indirect costs', insert your indirect (overhead) costs, (...%) of all your direct costs.

In column 'Total costs', calculate the sum of all your indicated costs.

In column 'Requested Funding', insert your requested EC contribution.

You may **request up to 70% of the total costs***.

Up to 15% of the cascade funding may be used for specific subcontracting tasks that neither the MAGICIAN partners nor the Third party can carry out. Please provide sufficient justification on what and why you need to subcontract some of your tasks.

The maximum funding per Application Solution is **200 k€** at a funding rate of **70%** of the budget.

Please consider that all budgeted costs must comply with the applicable national law on taxes, labor and social security and must be in compliance with the rules and conditions laid out in Council and Parliament decisions relevant to the Horizon Europe framework program, in particular - but not exclusively - "REGULATION (EU) No 1290/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 December 2013"

Provisions for possible future losses or charges, exchange losses, costs related to return on capital, costs reimbursed in respect of another Union action or program, debt and debt service charges and excessive or reckless expenditure are ineligible costs and cannot be included into the budget.

4. ETHICAL ISSUES

MAGICIAN complies with the European policies regarding data protection and privacy and respects fundamental ethical issues particularly those outlined in the European Code of Conduct for Research Integrity⁷ and Ethics Guidelines for Trustworthy AI⁸.

All data that is brought into an Application Solution or that is processed in an AS must

⁷ [european-code-of-conduct-for-research-integrity_horizon_en.pdf](#)

⁸ [Ethics Guidelines for AI \(europa.eu\)](#)

be GDPR compliant and therefore completely anonymized beforehand.

Please answer the following questions:

Does your proposed work involve:

- | | |
|------------------------------------|--|
| 1. Human embryos and fetuses | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 2. Humans | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 3. Human cells/tissues | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 4. Personal data | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 5. Animals | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 6. Third countries | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 7. Environment & Health and Safety | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 8. Dual use | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 9. Misuse | Yes <input type="checkbox"/> / No <input type="checkbox"/> |
| 10. Other ethics issues | Yes <input type="checkbox"/> / No <input type="checkbox"/> |

If the answer is 'YES' to any of the questions, please contact MAGICIAN project at OpenCall@magician-project.eu or one MAGICIAN partner, for guidance on the issue.

For more information on ethical issues, please consult the documentation provided by the European Commission: [how-to-complete-your-ethics-self-assessment_en.pdf](#)