

Open Call 1

Annex 2: Technical Proposal Template

**Proposal Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Indicate the challenge you intend to address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| Domain | Challenge |
| 1. Combined AI and Data solutions for DATA COLLECTION | 1.1- Augmented sensing solutions  1.2 - 2D/3D image analysis for large Energy Infrastructure predictive maintenance |
| 1. Combined AI and Data solutions for creation of INSIGHTS | 2.1 - Product-production Digital Twins  2.2 - Digital Twin based lifespan analysis tool  2.3- Energy system Digital Twin decision support tool |
| 1. Combined AI and Data solutions for DECISION SUPPORT | 3.1 - Digital Twin enabled smart production process planning tool |
| 1. Combined AI and Data solutions for AUTOMATION | 4.1 - Automated energy management for parts production  4.2 - Automated energy management for battery production  4.3 - Semi-automated EV battery disassembly for recycling  4.4 - Co-bot refrigerator door assembly solutions |

Table 1: Reference table - challenges

# Table of Contents

1 Introduction (Max. 1 page) 5

2 Novelty/Innovation, adequateness and quality of the proposed use case solution [Max. 3 pages] 5

2.1 Methodology 5

2.2 Technical Description of the Solution 5

2.3 Licensing and IPR 5

2.4 KPI 6

3 Impacts [Max. 1 Pages] 6

4 Project Planning and Value for Money [Max. 2  Pages] 6

4.1 Project Planning 6

4.2 High Level Budget (Value for Money) 7

5 Expertise and Excellence of the Proposed Team [Max. 2 Pages] 7

6 Appendix - Additional Figures and Tables [Max. 2 Pages] 8

**Instructions**

* Please use this template to prepare your proposal. It has been organised to ensure that the important aspects of your proposal are clearly measurable with respect to the evaluation criteria.
* The structure of this template must be followed when preparing your proposal. The questions will help you to be cohesive and objective. Applicants using other kinds of template/document structures will be automatically ineligible.
* The page limit for the full proposal is 9 pages (Not including cover pages, Table of Content, Instructions Page, References and Appendix). Please respect the limits (No. of pages) indicated in each section.
* All tables and eventual figures/schemas must be included within this limit. The allowed font type is “Arial” and the font size is 11 points. The page size is A4, and all margins (top, bottom, left, right) should be at least 20 mm.

* Adding Annexes/Appendix to this document is allowed. (2 pages maximum).

# Introduction (Max. 1 page)

* Give a general overview of the proposed solution, describing the main scope and the main objectives.

* Describe the technology concept behind the proposed solution.
* How would it fit within the AID4SME Project?

# Novelty/Innovation, adequateness and quality of the proposed use case solution [Max. 3 pages]

## Methodology

* Describe the methodology applied to the development of the proposed solution.

## Technical Description of the Solution

* Describe the capabilities and the requirements of the proposed solution:

* Capabilities
* What can the solution do?
* What problem does it solve?
* What formal language/planning features it supports?
* Any limitation (e.g. is the solution domain specific? Or does it make any particular assumption on the input problem)?
* TRL
* what is the current TRL of the proposed solution?
* Has the solution been used in some projects/applications already? If so, which ones?
* Technical requirements (e.g. operating system, external libraries or tools, programming language).
* Are there any publications related to the solution?

## Licensing and IPR

* Describe/report the license and the availability of the proposed solution.

* Does the solution have a license already? In case, which one?
* Who is the owner?
* Under which terms will the AID4SME consortium be able to use/integrate the solution?

## KPI

List 3 to 4 KPIs relevant to your proposal’s alignment with the Green Deal

|  |  |  |  |
| --- | --- | --- | --- |
| KPI | Name | Description | Unit |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

***Example:***

|  |  |  |  |
| --- | --- | --- | --- |
| ***KPI*** | ***Name*** | ***Description*** | ***Unit*** |
| *1* | *Decrease annual waste* | *Tracks the reduction of total waste generated annually by the organization* | *tons* |

# Impacts [Max. 1 Pages]

* What are your ambitions and expectations concerning the proposed solution? (from the scalability potential perspective)
* What are the main solution contributions to the industry?

* What are the main solution impacts in industry?
* What are the impacts of the proposed solution on green alignment, social and environmental sustainability.

# Project Planning and Value for Money [Max. 2  Pages]

## Project Planning

Your project within AID4SME is expected to be carried out in 14 months and four stages with specific durations. The stages are:

|  |  |
| --- | --- |
| **Stage** | **Stage Duration** |
| Plan | 1 Month |
| Development | 7 Months |
| Testing & Validation | 2 Months |
| Solution Assessment &  Business Plan | 4 Months |

Table 7: Programme implementation stages

Briefly explain how the work will be organized based on the programme stages. Provide an idea of what output one can expect at the end of each stage and what deliverables are foreseen as tangible output of the project.

## High Level Budget (Value for Money)

|  |  |  |
| --- | --- | --- |
| **Costs** | **Total** | **Justification** |
| Total number of PM (Person Month)[[1]](#footnote-1) |  |  |
| Cost per PM[[2]](#footnote-2) |  |  |
| Overall Personal Costs[[3]](#footnote-3) |  |  |
| Equipment Cost[[4]](#footnote-4) |  |  |
| Other goods/services |  |  |
| Total Cost |  |  |

# Expertise and Excellence of the Proposed Team [Max. 2 Pages]

* Summarise the competencies of the team involved in the proposal in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the Person** | **Role in the proposed project** | **Link to LinkedIn or Similar (if available)** | **Work Experience** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| \*Add lines as required |  |  |  |

* Briefly describe the organisation involved in the proposal (if you are applying as a consortium, please describe both organisations involved in the proposal).
* Answer the question below **only** if you are applying as a consortium:
  + Briefly describe the role of each organisation in the project deployment.

# Appendix - Additional Figures and Tables [Max. 2 Pages]

While the rest of the document should be self-sustainable, additional space can be provided here for optional context, state of the art, market etc. Adding information to this section is optional. The analysis of this section is not mandatory for evaluators.

1. Total number of the person month (PM) involved in the project. [↑](#footnote-ref-1)
2. Average cost of person month (PM) of the project team members. [↑](#footnote-ref-2)
3. Total cost of the personnel (PM) realizing the project (Total nr PM x Cost per PM) [↑](#footnote-ref-3)
4. Include the overall cost of equipment required to implement the solution (hardware, software, etc.) [↑](#footnote-ref-4)