



Manufacturing Industry Digital Innovation Hubs

Grant Agreement Number: 767498

MIDIH Open Call 1

Call for Proposals for Data driven applications and experiments in CPS/IoT

Full Title of your proposal

Acronym of your proposal (optional)

Main target of proposal	"Technological" or "Experimental"
Date of preparation of your proposal:	dd/mm/2018
Version number (optional):	
MIDIH Topic addressed	Topic
Your organization(s) name(s):	Your organization(s) name(s)
Name of the coordinating person:	Name of the coordinating person
Coordinator telephone number:	Coordinator telephone number
Coordinator email: [This is the email address to which the Acknowledgment of receipt will be sent]	Coordinator email

Note: Grey highlighted areas need to be filled. Word template can be downloaded from MIDIH project website (see <http://www.midih.eu/open-calls.php>)

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Statistical Information for the European Commission`s I4MS Initiative

1 Participant (Organisation name)	2 Participant short name	3 Country	4 Type (SME /MID /IND / AC / OTHER)	5 First time EU project? (Y/N)	6 PIC number	7 Total cost	8 Requested funding
TOTAL							

Instruction

[Please delete these instruction in the submitted version]

1. Participant: Insert the name of the organisation.
2. Participant short name
3. Country: Insert the 2-letter country code (using the Eurostat country codes: http://ec.europa.eu/eurostat/statistics-explained/index.php/Glossary:Country_codes).
4. Type: Insert
 - a. SME for an SME,
 - b. MID for a mid-cap enterprise,
 - c. IND for large industrial enterprise,
 - d. AC for academia (universities and research institutes),
 - e. OTHER for any other organisation type (e.g. governmental agencies, industry consortia etc.)
5. Fill in Y if this would be the first European project for that partner, N otherwise.
6. Provide the PIC number here if available.
7. Specify the total costs in Euros (0 decimal places)
8. Specify the requested funding in Euros (0 decimal places¹)

¹ i.e. rounded to the nearest Euro

Summary

(Guideline: 0.5 pages)

Industrial relevance, potential impact and exploitation plans

(Guideline: 3.5 pages)

Instruction

[Please delete these instruction in the submitted version]

MIDIH Call-1 targets the development of data driven applications, by IT SMEs as technology providers, and experiments in CPS/IoT by Manufacturing SMEs.

The open call aims at complementing functionalities around MIDIH reference architecture and performing experiments in CPS/IOT based on the components provided by the architecture. The experiments must cover one of the three main scenarios: Smart Factory or Smart Product or Smart Supply chain.

Please, choose one of the following topics

Technological topics

- T1. Modelling and Simulation innovative HPC/Cloud applications for highly personalised Smart Products*
- T2. Smart Factory Digital Twin models alignment and validation via edge clouds distributed architectures*
- T3. Advanced applications of AR/ VR Technologies for Remote Training / Maintenance Operations*

Experimentation Topics

- E1. Integrating CPS / IOT subtractive production technologies in AM experimental facilities*
- E2. Integrating CPS / IOT factory automation technologies in Robotics experimental facilities*
- E3. Integrating CPS / IOT discrete manufacturing technologies in Process Industry experimental facilities*
- E4. Integrating CPS/IOT factory logistics technologies in Warehouse management experimental facilities*

Description of the work plan and concept

(Guideline: 3 pages)

Introductory text & explanation of the experiment concept.

In this section applicants are required to provide an adequate description of the experimental facilities provided by the manufacturing SME.

Experiment Title
Role of the applicant²:
Description: •
<p>Workplan</p> <p>Task 1 Task name Task description. <i>Note: If your experiment consists of different tasks, please insert a description of each task.</i></p> <p>Deliverable: <i>Deliverable short description (Experiment Month nn (i.e. within months 1 to 6 of the experiment))</i></p>
<p>Impact and Outputs</p> <p><i>(Output = concrete results from the experiments, such as, but not limited to, application release, business case, analyses/reports of the experiment, validation report.</i> <i>Impact = explanation of the use of project results and the related business impact, enhanced capabilities or potential for service offerings, etc.)</i></p> <p>The output of experiment will be:</p> <ul style="list-style-type: none"> • <p>The results of the experiment will be reported in 2 mandatory deliverables, one at M3 and one at M6. Applicants are free to issue more deliverables if needed.</p>
Efforts (PM):

PM = Person Months

² Examples of roles: End-user, application or technology expert, developer.

Background and qualification

(Guideline: 2 pages)

This section describes the proposer and includes an overview of the activities, the proposer's qualifications, technical expertise and other information to allow the reviewers to judge the proposer's ability to carry out the Experiment.

Justification of costs and resources

(Guideline: 1 page)

Cost breakdown per Participant; Funding for Third Parties

	Total PM	Cost (€)
1. Direct Personnel costs		
2. Other direct costs ¹		
3. Total direct costs (sum of row 1 and row 2)		
4. Indirect costs ² (25% of row 3)		
5. Total costs (sum of row 3 and row 4)		
6. Requested funding ³ (up to 60000 EUR)		

¹ Costs for experimental facilities of the applicants, if any, are included in “Other direct costs”. Costs for subcontracting and other direct costs need to be clearly explained.

² Indirect costs are to be calculated as 25% of direct costs (i.e. personnel costs + other direct costs).

³ Funding rate 70% of eligible costs (100% for non-profit organisations).