

MIDIH

MANUFACTURING INDUSTRY DIGITAL INNOVATION HUBS



MIDIH – CCs & DIHs

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TERALAB





OPEN INNOVATION
Reinforce & enlarge your data community with startups and partners through challenges in a neutral environment

EDUCATION & STUDENTS
Interact with students and create opportunities by working on real data & use cases

COLLABORATIVE RESEARCH
Connect your R&D teams with research labs to emphasis your data innovation

SANDBOX

Up to 15TB Ram – 520 cores
400 TB Storage

TERALAB
A TRUSTED R&I BIG DATA & AI PLATFORM

SERVICES

TeraLab staff +
Startups & academics

TRUSTED & SOVEREIGN

- Adaptative security level
- Stated control facilities
- No private shareholders
- No conflict of interests

A NON-PROFIT PRICING

- Pre-established priced
- NO hidden cost
- ~80% market price

EASY TRANSITION

Your setup in TeraLab → Your setup in your datacenter

SUCCESS STORIES
More than 50 projects hosted !

MIDIH - Manufacturing Industry Digital Innovation Hubs

- Duration: 2017-2020
- 21 partners, 11 countries
- Topics : funding for SMEs experimentations, predictive maintenance, cutting tools technologies, logistics
- IA project : Cascade Funding for 2 open calls.
- TeraLab is the MIDIH Center of competences in Trust Management & Cybersecurity
- Coordinator: Susanne Kuehrer, EIT Digital
- Budget: 8,524,832.50 Euro
- Funding: 7,999,157.50 Euro
- Funding for Third Parties: 1,920,000 Euro

Call for Proposals for Data driven applications

- Project MIDIH Manufacturing Industry **Digital Innovation Hubs**, co-funded from the European Union's Horizon 2020 research and innovation programme under grant agreement No 767498, foresees as an eligible activity the provision of financial support to third parties, as a means to achieve its own objectives.
- MIDIH Call 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**.

T1-4 Technological topics which address technologies around the MIDIH architecture

- Expected applicants are **IT SMEs as technology providers**

E1-5 Experimentation topics must cover one of the three main scenarios: Smart Factory, Smart Product or Smart Supply chain. The usage of components of the reference architecture is mandatory

- Expected applicants are **manufacturing SMEs**
- Experimentation topics must cover one of the three main scenarios: Smart Factory, Smart Product or Smart Supply chain. **The usage of components of the reference architecture is mandatory**

First MIDIH Open Call



16 mini projects funded @ 60k€

<http://midih.eu/open-call.php>

Call title: MIDIH first Open call: Data driven applications and experiments in CPS/IOT

Publication Date: 29th March 2018

Deadline: 29th June 2018, at 17:00 Brussels local time

Expected duration: 6 Months

Total budget: € 960,000

Maximum funding request per proposal: € 60,000

Project web address: <http://www.midih.eu>

Proposal full call information: midih.eu/open-call.php

Submission site: <https://midih.ems-innovalia.org/>

A contact tool is available inside the submission site.

Mail: midih_opencall@innovalia.org

Open Call Application

Apply before 29th of June 2018

Documentation

[Template Proposal](#)

[Guide for Applicants](#)

[Reference Architecture](#)

ID	Acronym	Title	country_name	Company	
19	PROFILE	PeRsOnalised design by manuFactuIng LifEcycle feedback loop	Italy	i-Deal S.R.L.	Proposition visiblement « recyclée » mais une bonne histoire
27	ENERSAL	ENERgy Saving Platform Experimentation in ALuminium Melting Process Industry	Spain	GHI HORNOS INDUSTRIALES SL	Très belle proposition « digital twins » dans le domaine de la fonderie alu
41	Robo-OptimAI	Robot Optimization Platform in Real-Time	Portugal	Infinite Foundry, Lda	Encore un recyclage mais les specs de la plateforme sont intéressantes
30	MIDAS	Multi-tenant Active Deep Monitoring Platform for AVN Trust Management and Optimization	Spain	ENEO TECNOLOGÍA S.L.	Proposition incompréhensible mais qui aborde AI for Cyber sur des logs industriels
20	ARFFI	Augmented Reality Factory for Industry 4.0	Poland	Exolvere s.c.	Encor AR
24	DELTA	Data driven experiment for Energy saving and quaLiTy Assessment	Italy	Tera Srl	
37	anAIRlyze	Analytics of sensor data of stock taking drones	Germany	doks. innovation GmbH	Beaucoup de données, une bonne histoire potentielle
2	Bouma	Bouma's manufacturing 4.0	France	BOUMA	Proto d'un projet de transformation digitale pour industrie MFG
22	3D IoT	3D recognition initiating IoT data for industrial training	Finland	Realmax Oy	AR mais probablement une bonne histoire
29	MARINA	Manufacturing optimization with ARTificial INTelligence Advanced planning & scheduling	Belgium	MangoGem SA	Optimisation des algorithmes de scheduling par l'AI
32	Dynaback	Dynaback the tshirt to alleviate back pain	Bulgaria	Madesign LTD	Tee shirt connecté , 100 ouvrier de St Gobain « apareillés »
1	Manufacturing Industry Data-Driven Digital twin	MID3	Italy	Technology Transfer System S.r.l.	Continuation du projet Be inCpps , Tres « architecture »
31	SWARM	Distributed Warehouse Management Experiment	Spain	CEESA,S.A.	Optimisation supply chain



Second MIDIH Open Call

Details of the call

Identifier: MIDIH OC2

Call title: MIDIH OPEN CALL

Project full name: Manufacturing Industry Digital Innovation Hubs

Acronym: MIDIH

Publication Date: expected April 08

Expected duration of participation: 6 Months

Indicative budget for MIDIH Call-2: 60k*16 projects will be funded

Maximum funding request per proposal: € 60,000

Submission language: English

Internet address for full open call information: midih.eu/open-call.php

Submission site: <https://midih.ems-innovalia.org/>

16 mini projects funded @ 60k€

<http://midih.eu/open-call.php>

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