DIGITBrain Project
Introduction of the Open Call Opportunity

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DIGITbrain has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 952071
DIGITbrain – in brief

- DIGITbrain is an EU innovation program to give SMEs easy access to digital twins. **A Digital Twin is a computer-based application/simulation:**
  - Mimics the **real production line** of a company
  - Runs in parallel with the **real manufacturing process**
  - Using this Digital Twin, companies can **rationalize the manufacturing process**
  - Makes predictions regarding **expected machine failures**
  - Can **predict maintenance needs**
- Duration: July 2020 – December 2023 (42 months)
- Type of action: Innovation Action
- Offer **two opportunities (Open Calls) for another 35-40 companies to join** and receive funding from the European Commission.

03/03/21

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DIGITbrain approach

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The DIGITBrain consortium – 36 partners from Europe

Core technical and administrative partners

Experiment partners

Network of DIHs

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Key Call Details

- **Project full name:** Digital twins bringing agility and innovation to manufacturing SMEs, by empowering a network of DIHs with an integrated digital platform that enables Manufacturing as a Service (MaaS)
- **Call opening:** 31th March 2021, 10:00h (CEST Time)
- **Submission Deadline:** 30th June 2021, 17:00h (CEST Time)
- **Expected duration of participation in experiments:** 12 months
- **Total EC funding available for third parties in DIGITbrain-OC1:** up to 700,000 EUR financial support for Third Parties. DIGITbrain considers that proposals requesting a contribution up to 100,000 EUR per experiment would allow the specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.
- **Maximum amount of financial support for each Third Party:** 60,000 EUR
- **Language in which proposal should be submitted:** English
- **Email address for further information:** opencall@digitbrain.eu
Experiment consortium

The minimum number of partners in an experiment consortium must include:

- One **End User** (SME and mid-cap manufacturing companies) and
- One **Technical partner** acting as ISV, engineering or software consultant, Research Organization, High-Performance Computing (HPC) providers.
- Digital Innovation Hub

In order to maximise the impact of the experiments, **each experiment is accompanied by a Digital Innovation Hub (DIH)** which will provide help from **proposal writing to the implementation** of the experiment.
Expectations from experiments

Grounding on the Digital Twin concept:

- Creating customised industrial products
- Facilitating cost-effective distributed and localised production
- Leveraging cloud and HPC – based modelling, simulation, optimisation, analysis and machine learning tools
- Covering the development and uptake of digital technologies

Experiments will cover any segments in the manufacturing sector at large, including (but not limited to) discrete manufacturing, continuous production, or construction.

The project collects 14 highly innovative cross-border experiments by two Open Calls, bringing together technology providers and manufacturing end-users to perform experimentation, in order to validate the DIGITbrain solution.
Evaluation and selection of proposals

Proposal selection process

❑ The board of **two independent experts** will be complemented by a representative of the **Core Coordinating Committee** to oversee all proposals and to ensure maximum complementarity and impact of the proposals best ranked by the external experts.

❑ **Evaluation board** for each proposal:
  - Two Independent Experts (**two votes**, one vote each). → External evaluator
  - One representative of the core Coordinating Committee (**one vote**). → Internal evaluator

More details about the selection and evaluation criteria:

19 March 2021 – please sign in to our next workshop!
Further information:

Digitbrain Open Call Official Announcement: https://digitbrain.eu/open-calls/

Save the Date! - April 20th, 2021 - 11:00h AM (CEST): Registration for the first Webinar

STAY UP-TO-DATE

Are you interested in becoming a part of the project?
Register for our newsletter and stay up to date!

Or write us an e-mail, if you have any further questions!
We're happy to be there for you!

Register

E-Mail
Thank you for your interest!

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