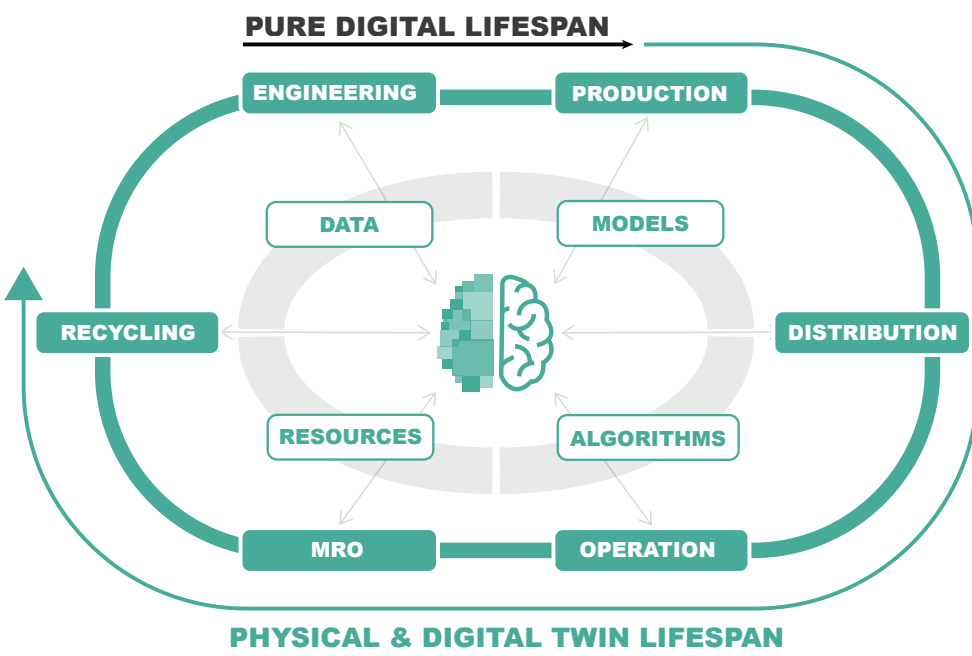


DIGITAL PRODUCT BRAIN

Refinement of Digital Twins to embrace Manufacturing as a Service in Europe

Digital Twins bring agility and innovation to manufacturing SMEs. DIGITbrain aims to develop an extended concept of the Digital Twin called „Digital Product Brain“ (DPB).

Digital Product Brain stands for customisation of Data, Models, Algorithms and Resources for industrial products, transferred on demand and based on individual conditions.



Manufacturing-as-a-Service

MaaS will support small and medium-sized manufacturing companies to reach out for advanced production facilities within their regional territory and beyond.



DIGIT BRAIN CONSORTIUM



The DIGITbrain project has received funding from the European Union's Horizon 2020 research and innovation program under Grant Agreement No 952071.



www.DIGITBrain.eu @DIGITbrain_EU

DIGIT BRAIN

CREATE YOUR DIGITAL TWIN

January 2022

The DIGITbrain project has received funding from the European Union's Horizon 2020 research and innovation program under Grant Agreement No 952071.



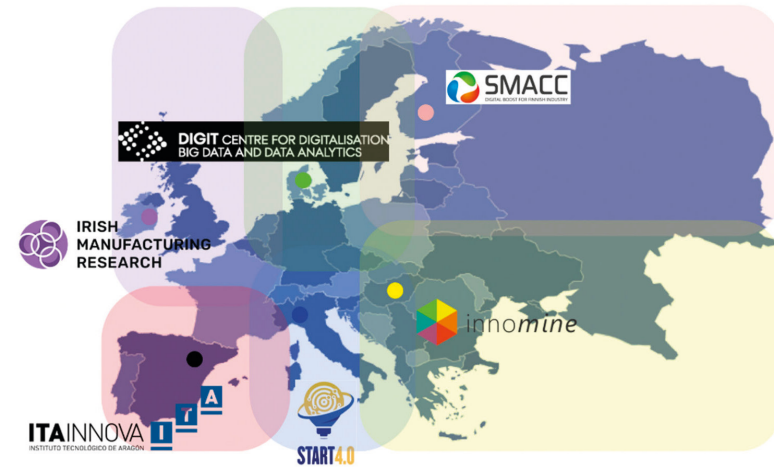
TWO OPEN CALLS

Create your own Digital Twin and help us to refine the Digital Product Brain.

Time to create customised industrial products and facilitate cost-effective distributed and localised production by leveraging edge, cloud and HPC-based Modelling, Simulation, Optimisation, Analysis and Machine Learning

tools. Experiments will cover any segments in the manufacturing sector, e.g. discrete manufacturing, continuous production, or construction. **Apply for the project until the end of May 2022 with your industrial use case!**

FIND YOUR SUPPORTER



2nd Open Call
31st May 2022

21 EXPERIMENTS

End user and solution provider team up to run an DPB experiment.

Use cases are funded with up to €100.000 per use case

DIGIT BRAIN experiments

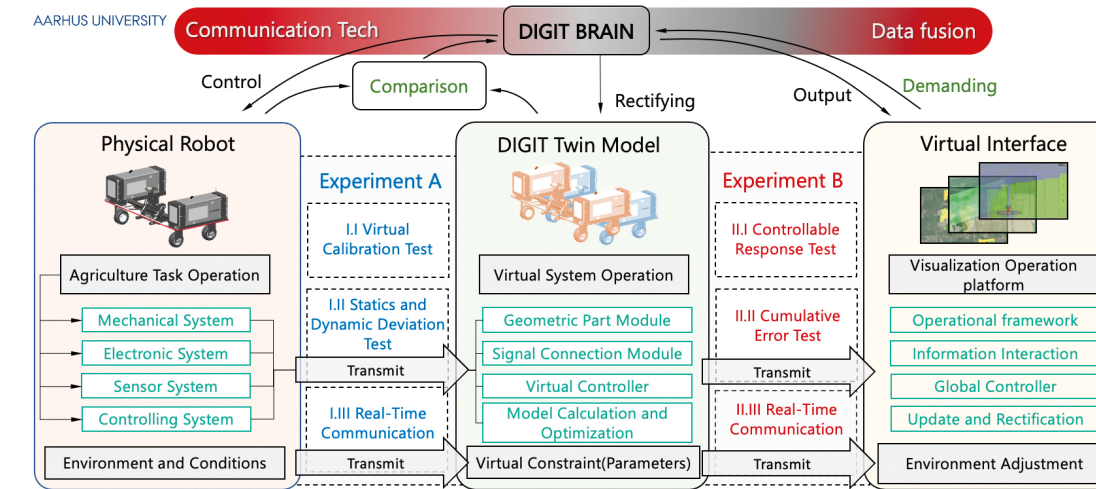
BATCH PRODUCTION OF CUSTOMIZED AGRI-ROBOTS

No. 6

The experiment aims to shift from individual production to batch production to enable the batch production of individual

customized robots for international markets. The customizable Digital Twin will follow each robot and records all service

issues in any stage of production and operation - optimized information flows to enable better choices for Agrointelli's future.



DIGIT BRAIN experiments

INJECTION PROCESS OF THERMOPLASTIC PARTS

No. 2

The experiment targets the extension of the CAELIA™ Injection app used by Inymon: a configurable service for reducing time-to-production in the set-up phase and for reducing cycle times.

The resulting tool will be primarily used at the workshop, so it must be simple and user-friendly, requiring minimum training and not necessary modelling experience to use it.

A graphical web based user interface will be allocated in the DIGITbrain platform, where the process engineer will try different machine settings in a virtual environment.

The experiment provides insight to the process engineer from the very beginning, when the mould is set up and there is still not real Data available in the monitoring system.

