

PROJECT START 1 January 2020

Budget 647k€

First prototype
of the platform
June 2020

Real-time
analysis directly
on a 3D Printer
October 2020

Full digitalisation
of a part
November 2020

AI for post-
processing
2022

Export to other
3D printing
technologies
2023

CHALLENGE



- AM digital value chain is fragmented
- Data from each process is not shared thus not used to its full potential
- Hinder traceability and quality control needed for a widespread adoption by industries

SOLUTION



- Build a digital thread connecting each step of the AM process
- Collect and analyse the data in a single repository
- Extract new value from data

BENEFITS



- Improve traceability and quality control capabilities
- Provide the decision maker with new information about the parts
- Open the door to new research opportunities

MAIN PROJECT RESULTS

8 PARTS FULLY DIGITALISED FROM DESIGN TO POST-PROCESSING

AI POWERED SOLUTION FOR PROCESS MONITORING AND DEVIATION DETECTION

USEABLE WITH MOST MACHINES **2022**

“ thanks to EIT, key player in additive manufacturing have been able to meet and create the next generation of AM software ”



JEREMY JEAN-JEAN
Data scientist at RISE
Coordinator of **DIGIQUAM**

AIM: Create the next generation of AM software getting us closer to the “1st part right”



www.ri.se/en/what-we-do/projects/digiquam

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