

AM INTERACTION DAYS

Ana Cardoso - EWF

The AMable Industrial Services



EU Industry Week
2021
#EUIndustryWeek



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- What is AMable?
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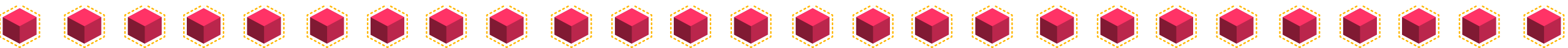
AMable

What is AMable?

ARE YOU—
AM
— READY?



AMable



AMable – Digital Additive Manufacturing Innovation Hub

Core Consortium

ARE YOU—
AM
— READY?

Digital Design for Additive Competence Centres



Scuola universitaria professionale
della Svizzera italiana

SUPSI



Politechnika
Wroclawska

Data Management



Business Analysis and Consultancy

Keen Bull



Innovation



Training



Provides support to SMEs and mid-caps for their individual uptake of additive manufacturing.

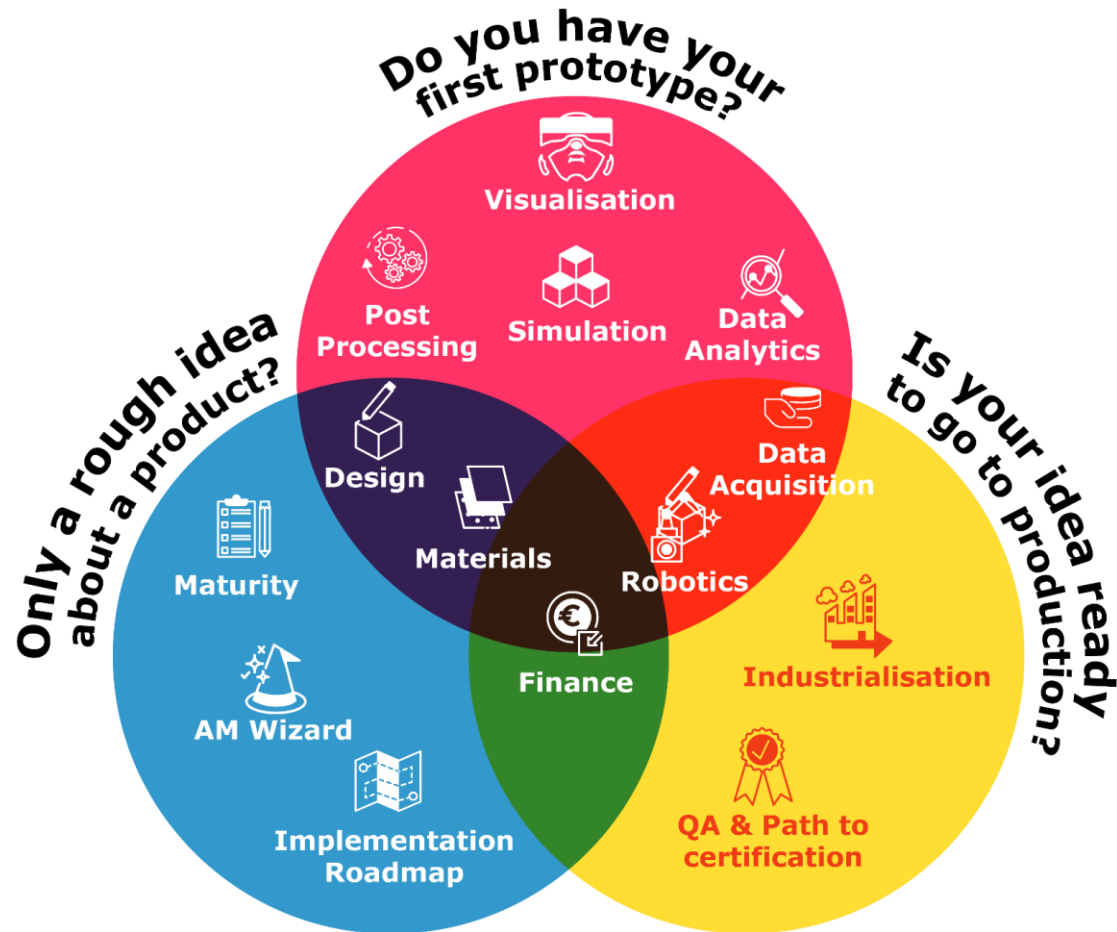
How?

1. Eco-system that provides a wide offering of services
2. Training: skills and education



AMable Services

ARE YOU—
AM
— READY?



- The AMable Services Arena provides services from design to finish.
- Offers support to different AM readiness stages.

www.amable.eu

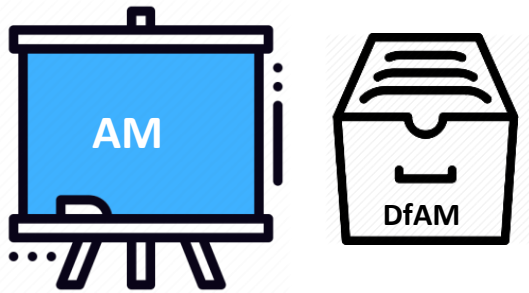


Most requested services

Design for AM

ARE YOU—
AM
— READY?

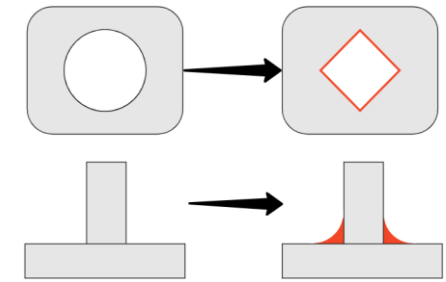
THE DESIGN FOR AM SERVICE PROVIDES THE KNOWLEDGE AND ASSISTANCE TO MAXIMISE THE BENEFIT OF AM AND ENABLE THE CREATION OF A BUILDABLE PRODUCT BY PROVIDING SMES WITH THE FOLLOWING SERVICES.



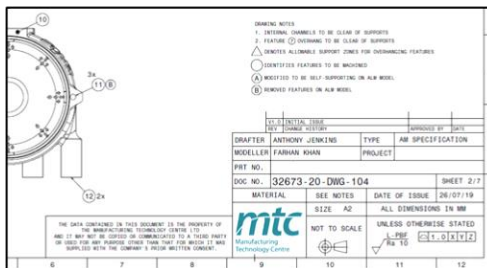
Working knowledge of AM design methods and DfAM workflow



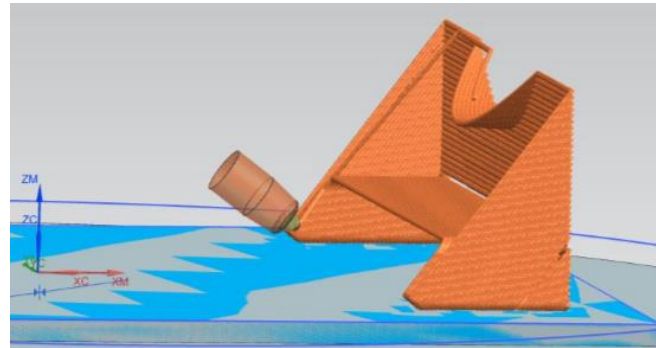
Functional improvement, part consolidation



Design assessment and Design for Manufacture (DfM) rules for different AM processes



AM Drawings



Toolpath Strategy

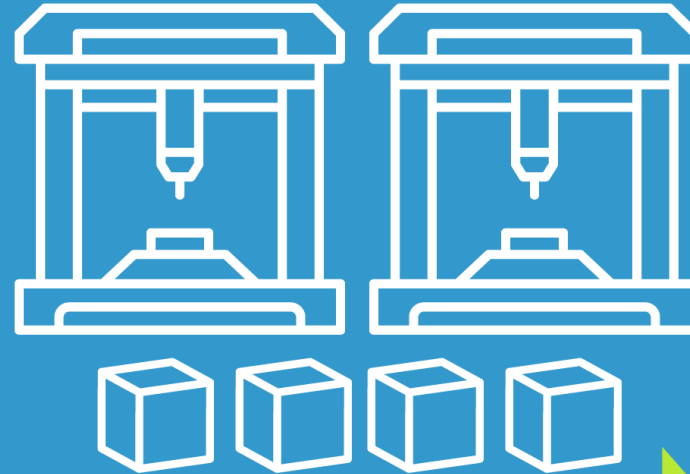
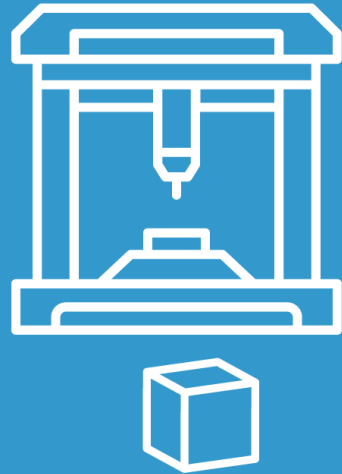


Design for Post-Processing

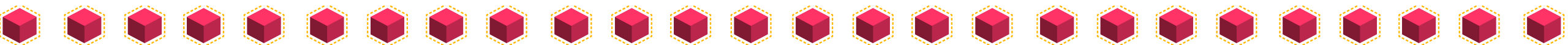
Most requested services

Industrialisation

ARE YOU—
AM
— READY?



INDUSTRIALISATION



Most requested services

Quality Assurance and Certification

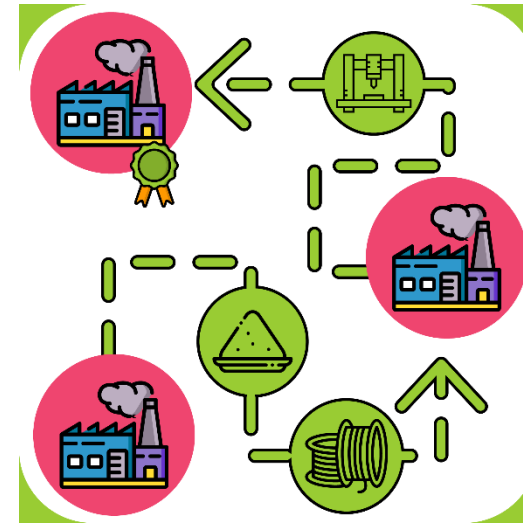
ARE YOU—
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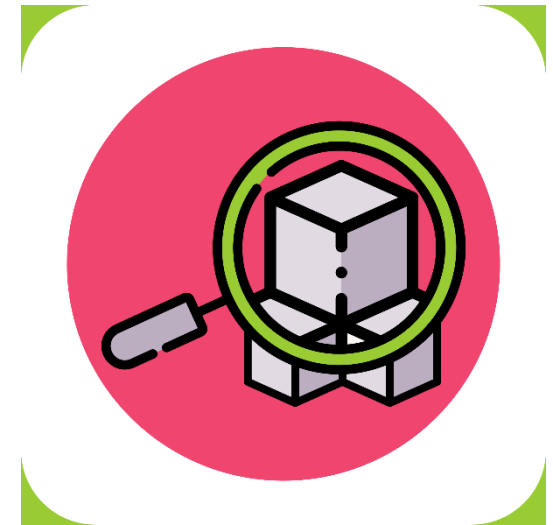
Advice on alignment to industrial standards (ISO, ASTM etc)



Roadmap to certification



Advice on QA/certification requirements for supply chain (NDT, post-processing etc.)



Assessment & validation of current QA practices



Services Overview

ARE YOU—
AM
— READY?

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MATURITY ASSESSMENT FOR AM

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IMPLEMENTATION ROADMAP DESIGN

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ACCESS TO FINANCE

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AM DECISION SUPPORT / AM WIZARD

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VISUALISATION / IMMERSIVE DESIGN

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MODELLING, SIMULATION AND HPC

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DATA ANALYTICS FOR AM

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DATA ACQUISITION

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POST PROCESSING

315



MATERIALS FOR ADDITIVE MANUFACTURING



AMable Experiences

ARE YOU—
AM
— READY?

Prosad3D - prothesis
adapters with maximum
performance at minimum
weight



AMable Experiences

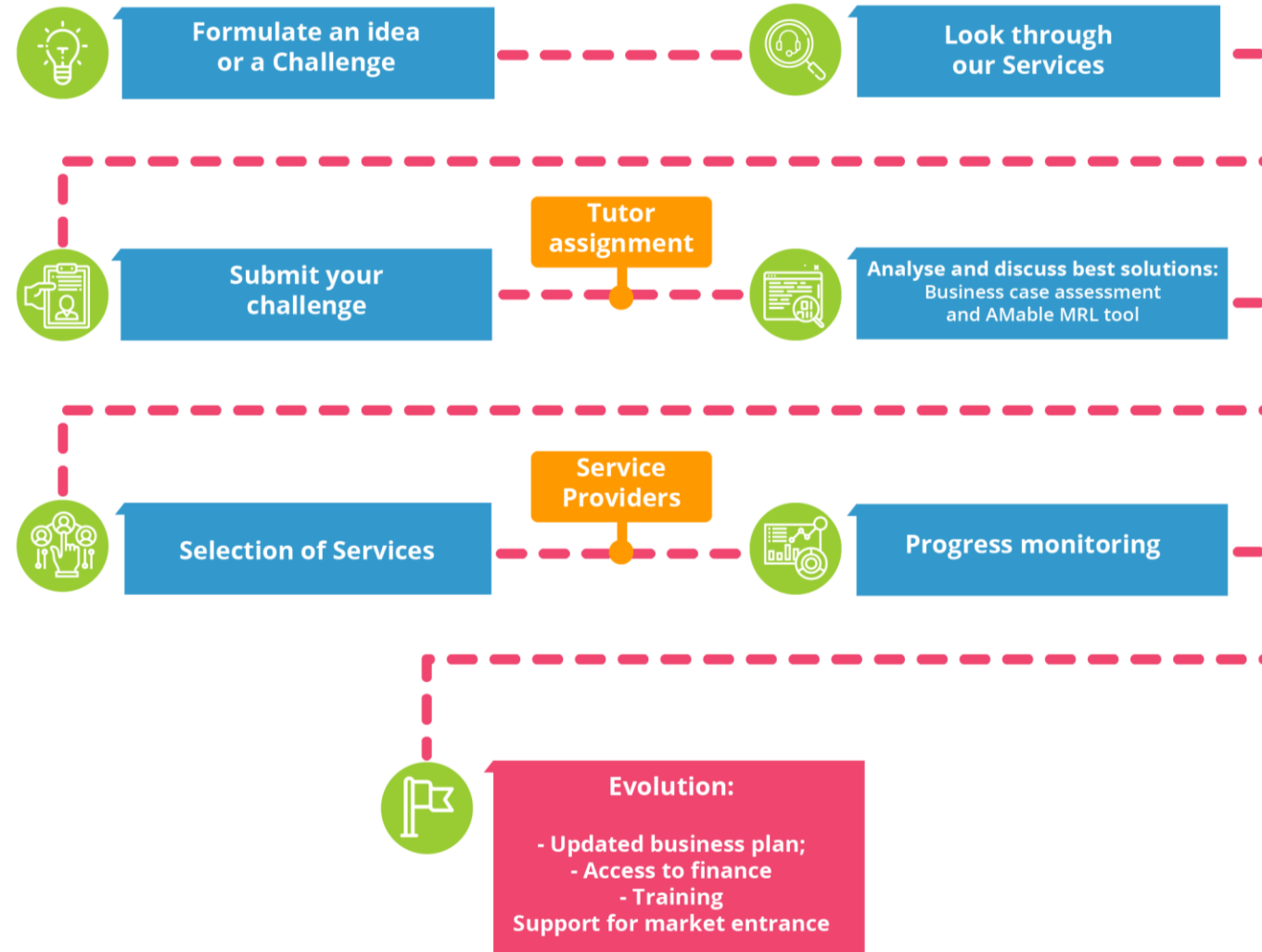
ARE YOU—
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— READY?

3DPrintCast – Design solutions of 3D printed cast which reduces the risk of complications to occur during healing process of fractured bone



AMable Customer Journey

ARE YOU—
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— READY?



AMable Training

ARE YOU—
AM
— READY?

- Empower people in those companies to enhance their skills, while delivering the services
- Determine the training needs of the SME's personnel and connect them to initiatives and providers of training schemes which are officially recognised
- AM Interaction Days
- Experience Labs



AMable Training

ARE YOU—
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— READY?

 **AMable**

**EXPERIENCE
LAB**

Idioma: português



SAM
SECTOR SKILLS STRATEGY
IN ADDITIVE MANUFACTURING

**07
ABRIL
9h-13h**

Inclui a sessão:

À conversa com peritos industriais (12h-13h)

Como é feita a transição do mundo académico para o mundo empresarial no fabrico aditivo?

 This project has received funding from the European Union Horizon 2020 research and innovation programme under grant agreement No. 768775.

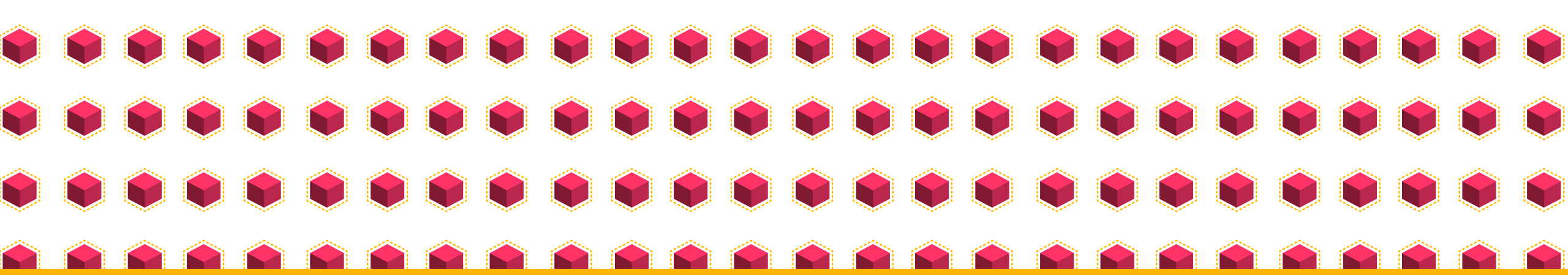
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Q&A



Thank you!



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