

# AM INTERACTION DAYS

Ana Cardoso - EWF

*The AMable Industrial Services*



**EU Industry Week**  
#EUIndustryWeek  
2021

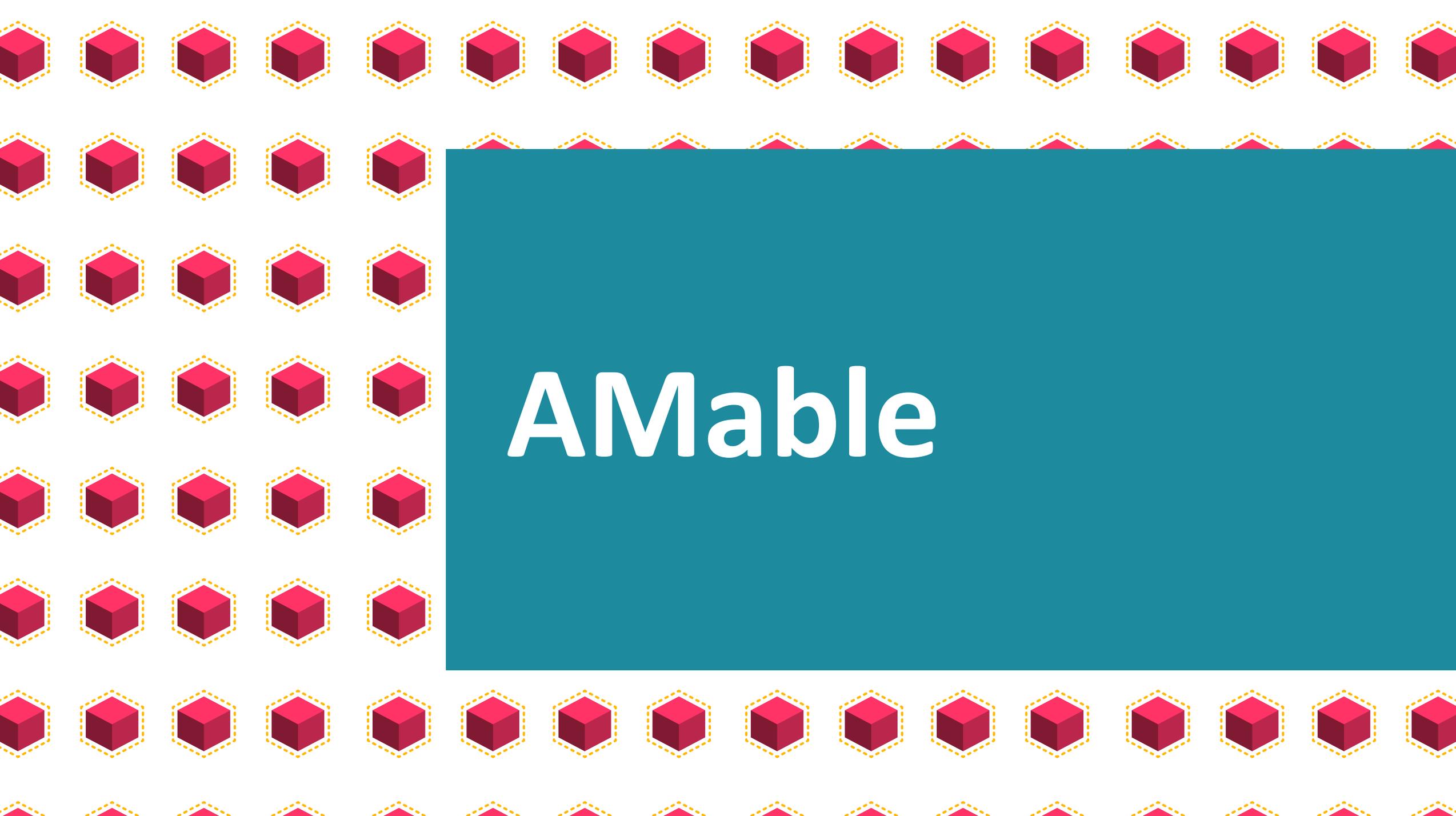


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**AM**  
— READY?

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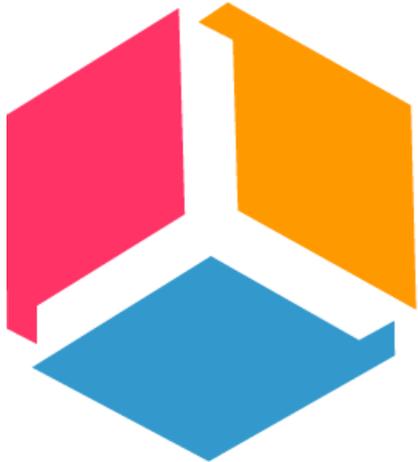




AMable

# What is AMable?

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— READY?



AMable



# AMable – Digital Additive Manufacturing Innovation Hub

## Core Consortium

ARE YOU—  
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### Digital Design for Additive Competence Centres



Scuola universitaria professionale della Svizzera italiana



Politechnika Wroclawska

### Data Management



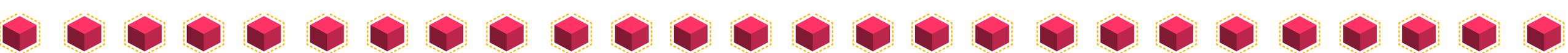
### Business Analysis and Consultancy



### Innovation



### Training



# AMable



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

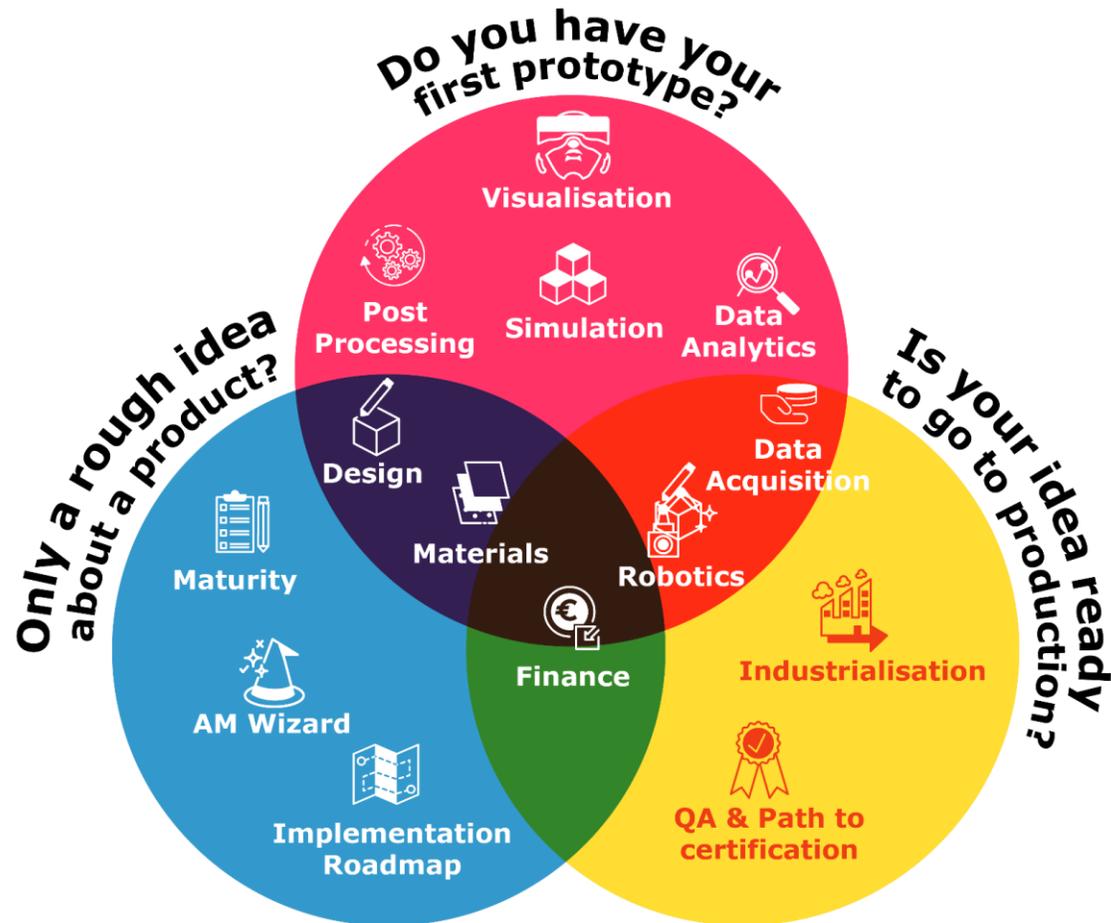
## How?

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



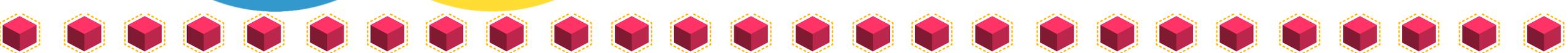
# AMable Services

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

[www.amable.eu](http://www.amable.eu)

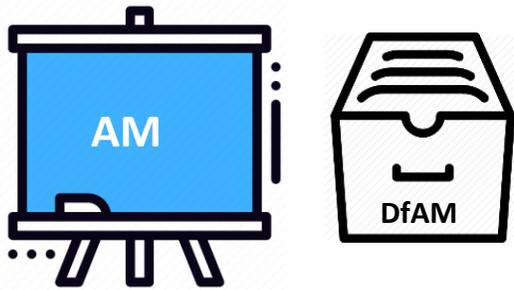


# Most requested services

## Design for AM

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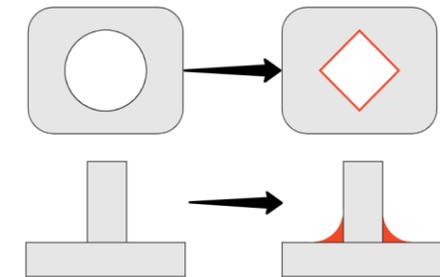
THE DESIGN FOR AM SERVICE PROVIDES THE KNOWLEDGE AND ASSISTANCE TO MAXIMISE THE BENEFIT OF AM AND ENABLE THE CREATION OF A BUILDABLE PRODUCT BY PROVIDING SMES WITH THE FOLLOWING SERVICES.



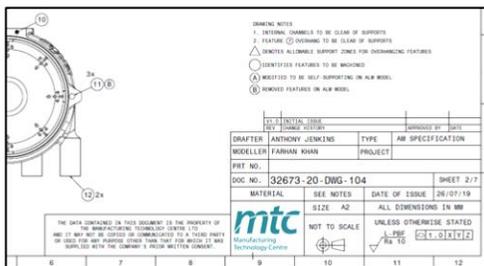
Working knowledge of AM design methods and DfAM workflow



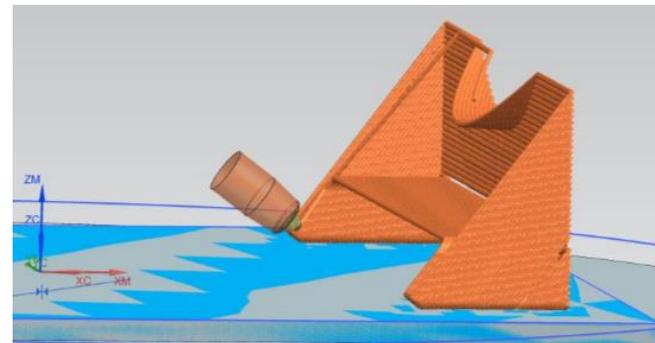
Functional improvement, part consolidation



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



AM Drawings



Toolpath Strategy



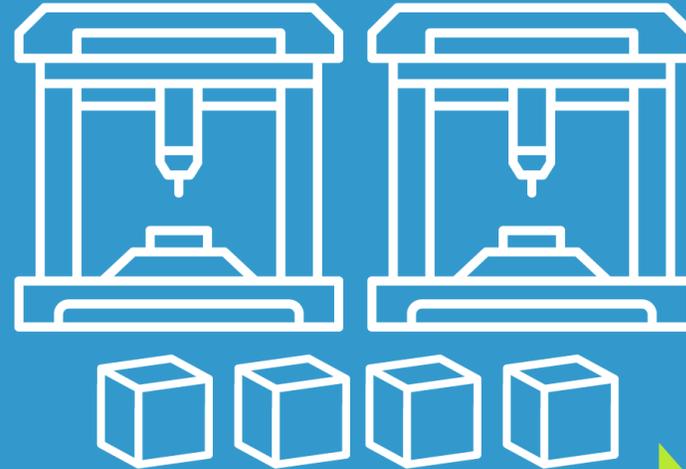
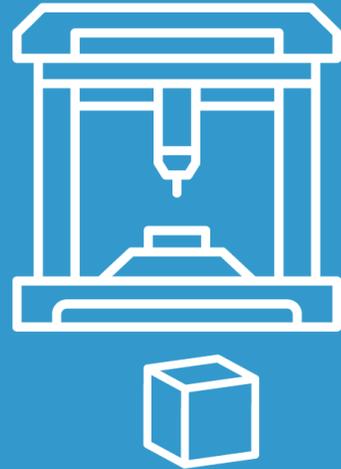
Design for Post-Processing



# Most requested services

## Industrialisation

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***INDUSTRIALISATION***



# Most requested services

## Quality Assurance and Certification

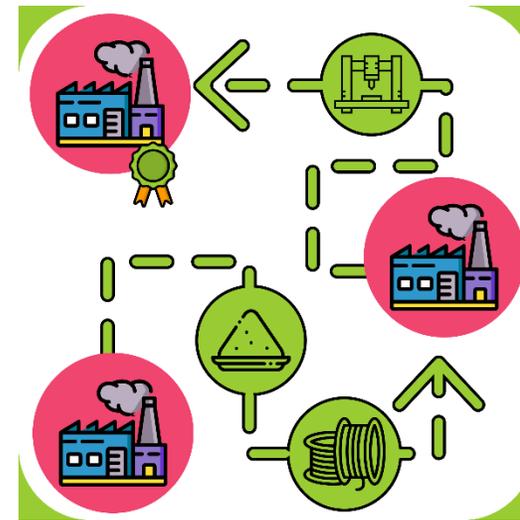
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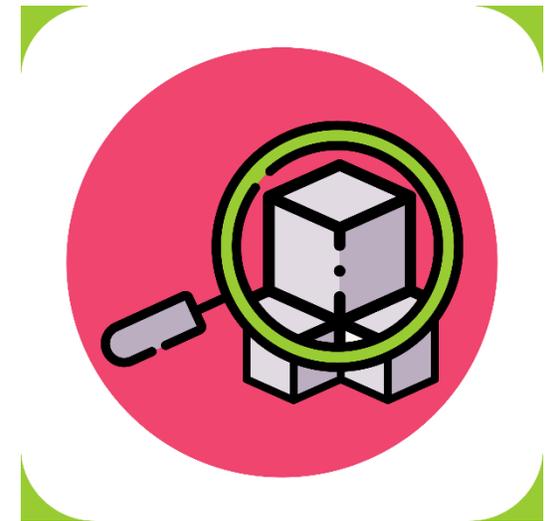
Advice on alignment to industrial standards (ISO, ASTM etc)



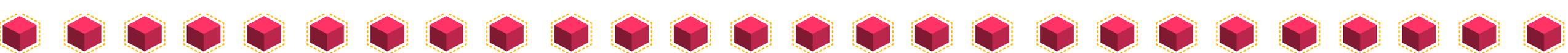
Roadmap to certification



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



Assessment & validation of current QA practices



# Services Overview

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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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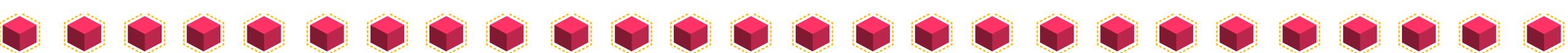


POST PROCESSING

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MATERIALS FOR ADDITIVE MANUFACTURING



# AMable Experiences

ARE YOU—  
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**Prosad3D** - prosthesis  
adapters with maximum  
performance at minimum  
weight



# AMable Experiences

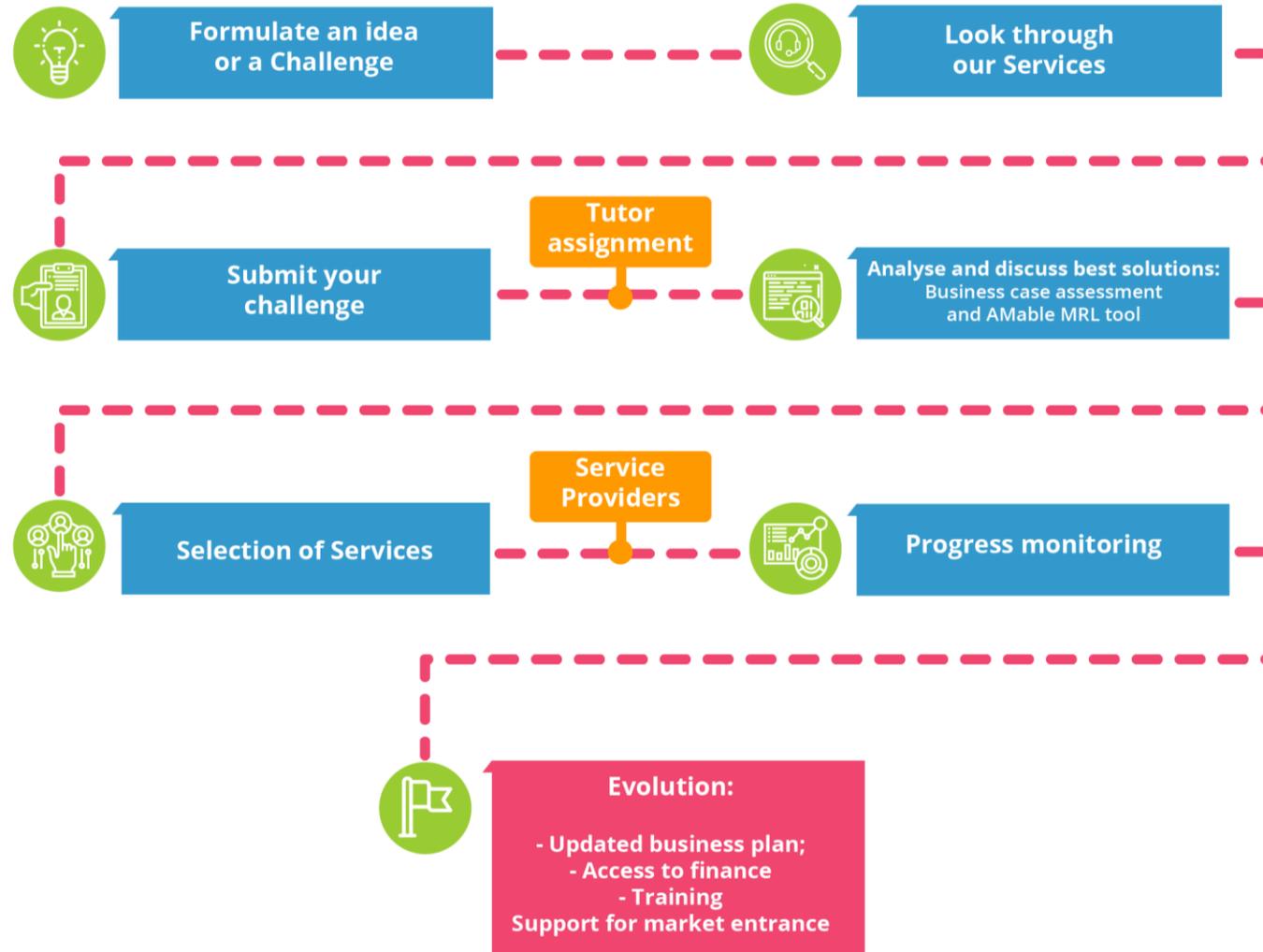
ARE YOU—  
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**3DPrintCast** – Design solutions of 3D printed cast which reduces the risk of complications to occur during healing process of fractured bone



# AMable Customer Journey

ARE YOU—  
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— READY?



# AMable Training

ARE YOU—  
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- 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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The poster features a blue and yellow background with abstract diagonal lines. On the left, the AMable logo is displayed above the text 'EXPERIENCE LAB' and 'Idioma: português'. A central white circle contains an icon of a laptop with a play button and a person. On the right, the SAM logo is shown above the date '07 ABRIL' and time '9h-13h'. Below the date, a question is posed: 'Como é feita a transição do mundo académico para o mundo empresarial no fabrico aditivo?'. At the bottom, there are two European Union logos with funding information.

**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)

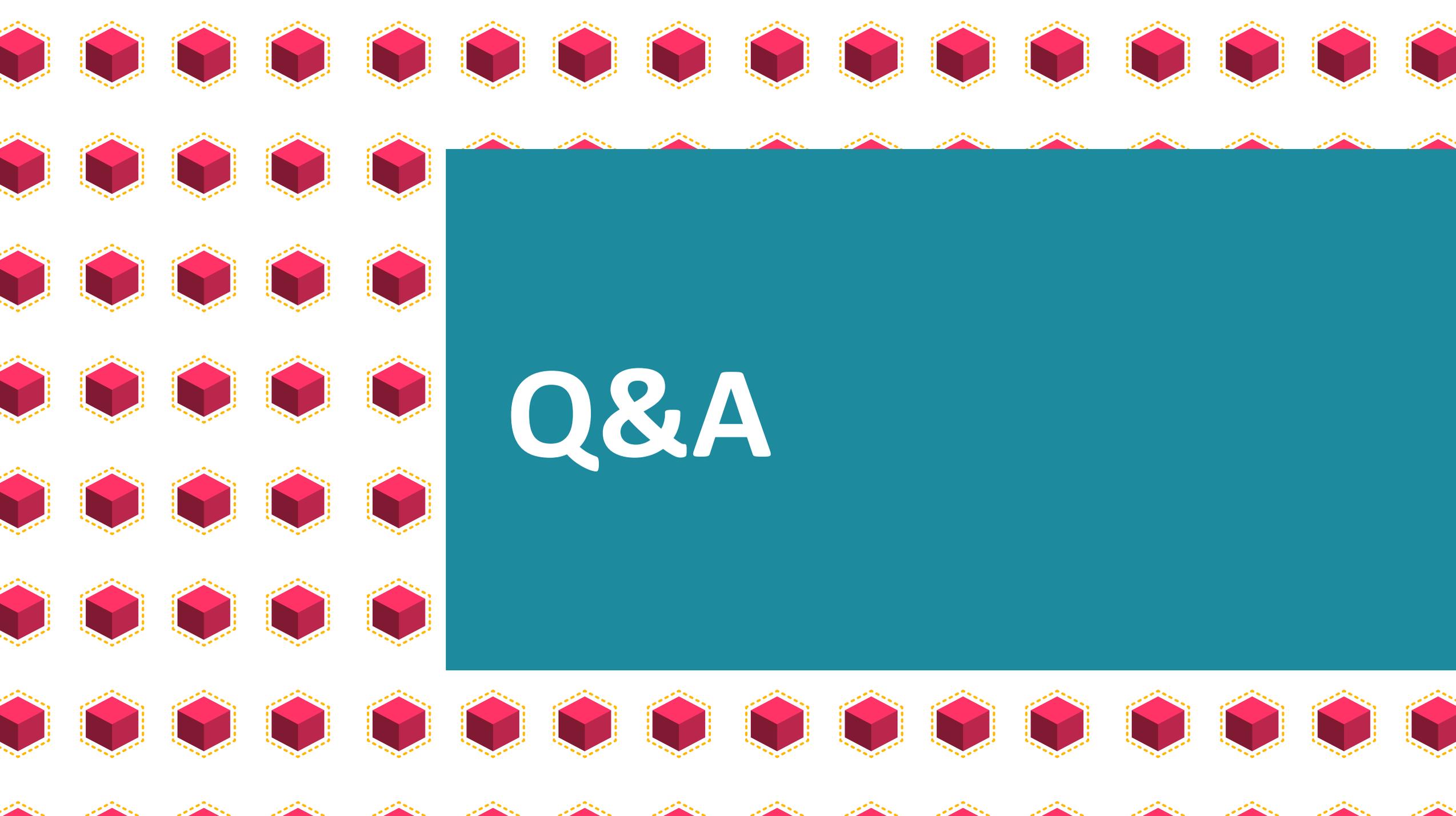
**Como é feita a transição do mundo académico para o mundo empresarial no fabrico aditivo?**

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

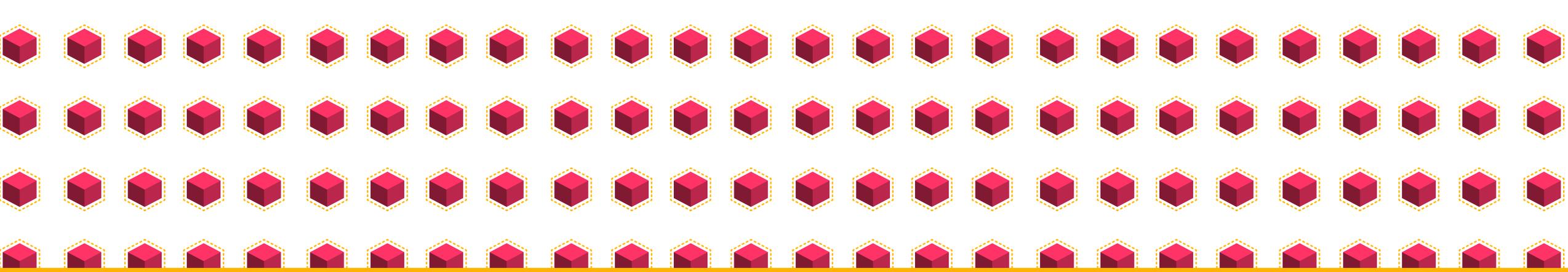
Co-funded by the Erasmus+ Programme of the European Union

The SAM project has been funded with support from the European Commission. The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





# Q&A



# Thank you!



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