

SAM

SECTOR SKILLS STRATEGY
IN ADDITIVE MANUFACTURING



Why is 3D printing the new thing in manufacturing?

Design freedom



Ability to design parts with geometric features that cannot be made any other way.

Material freedom



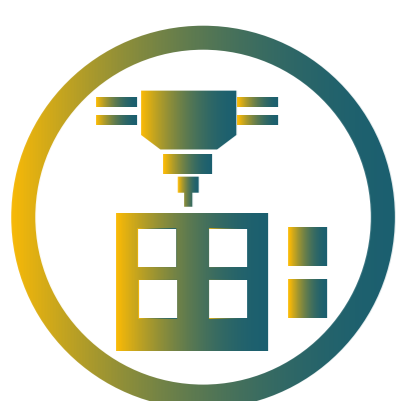
Functionally graded materials can be specifically designed for improved material properties.

Mass customisation



As tooling is not required, parts can be manufactured in hours/days.

Reduced part count



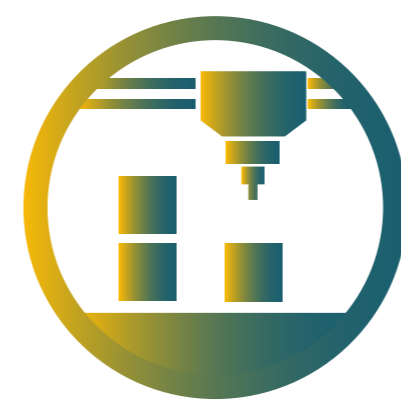
Enables complex systems to be designed and manufactured as one part due to design freedom.

Waste reduction



Builds components layer by layer to near final geometry resulting in significant material savings.

Reduced Inventory



It allows a reduced inventory as more industrial technologies are able to produce and repair parts with lower production time.

Lead time reduction



As tooling is not required for AM parts, each part can be tailored to its specific use or user.

Decreased cost



Can offer significant through-life benefits over traditional manufacturing processes for a wide range of products and production volumes.

Project Partners :



Visit the project website :
www.Skills4am.eu

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