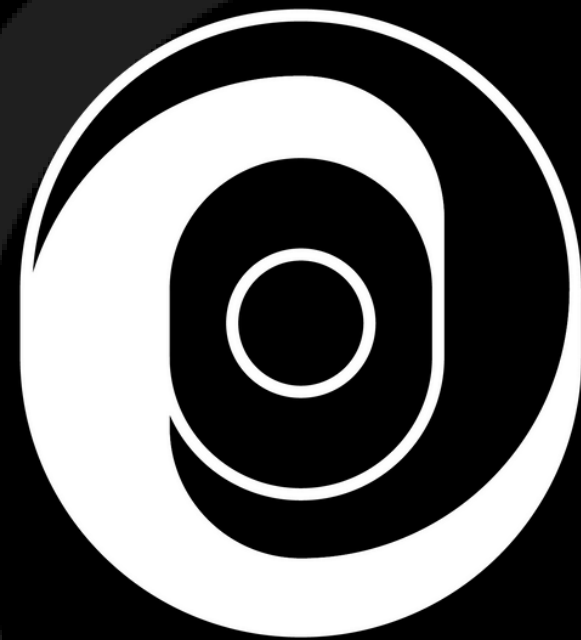


**Simona Arena - 11 Ottobre 2023**





# PUNTOZERO

Design for Additive Manufacturing

Simona Arena - 11 Ottobre 2023



# About me

Economia  
Marketing e comunicazione







Marketing



tearm



# Marketing

Il termine marketing si riferisce ai rapporti di scambio che avvengono sul mercato. Il termine inglese marketing, infatti, contiene il sostantivo “market” (mercato), il verbo “to market” (piazzare sul mercato) e il sostantivo verbale “marketing” (l’attività di operare sul mercato). Mercato inteso come luogo in cui si realizzano scambi di beni o servizi tra l’offerta (il venditore) e la domanda (chi necessita di qualche bene/servizio).









**TOGETHER  
EVERYONE  
ACHIEVES  
MORE**





# Team



**Ivan Vecchio**

Mechanical engineer specialized in Additive Manufacturing, generative design, and topological optimization.



**Elia Schiavi**

Mechanical engineer specialized in business development and project management



**Simona Arena**

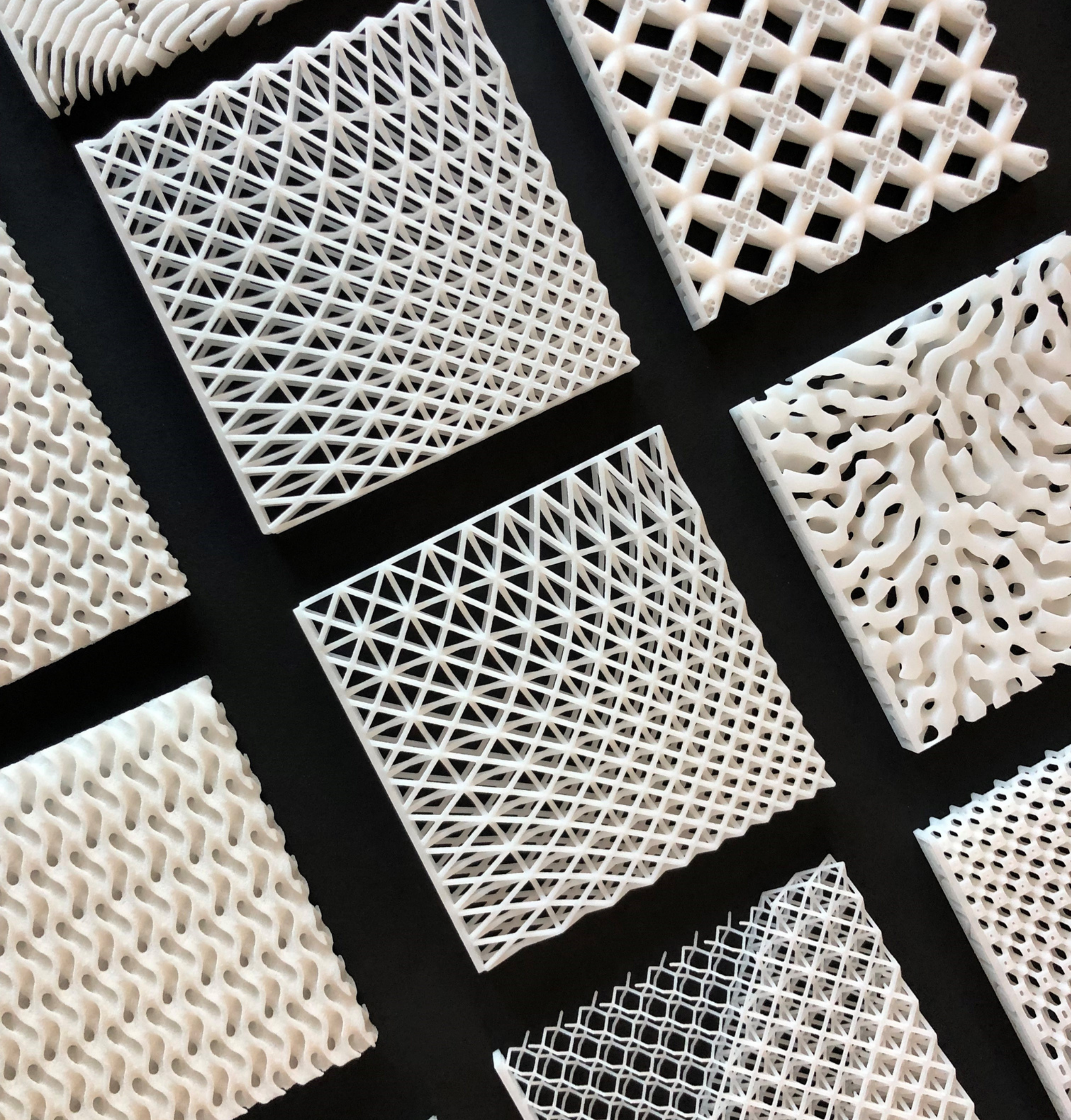
Specialized in strategic marketing and business management, with experience in the AM sector



**Francesco Leonardi**

Mechanical engineer specialized in Lattice Structure, Metamaterials, biomimetics.





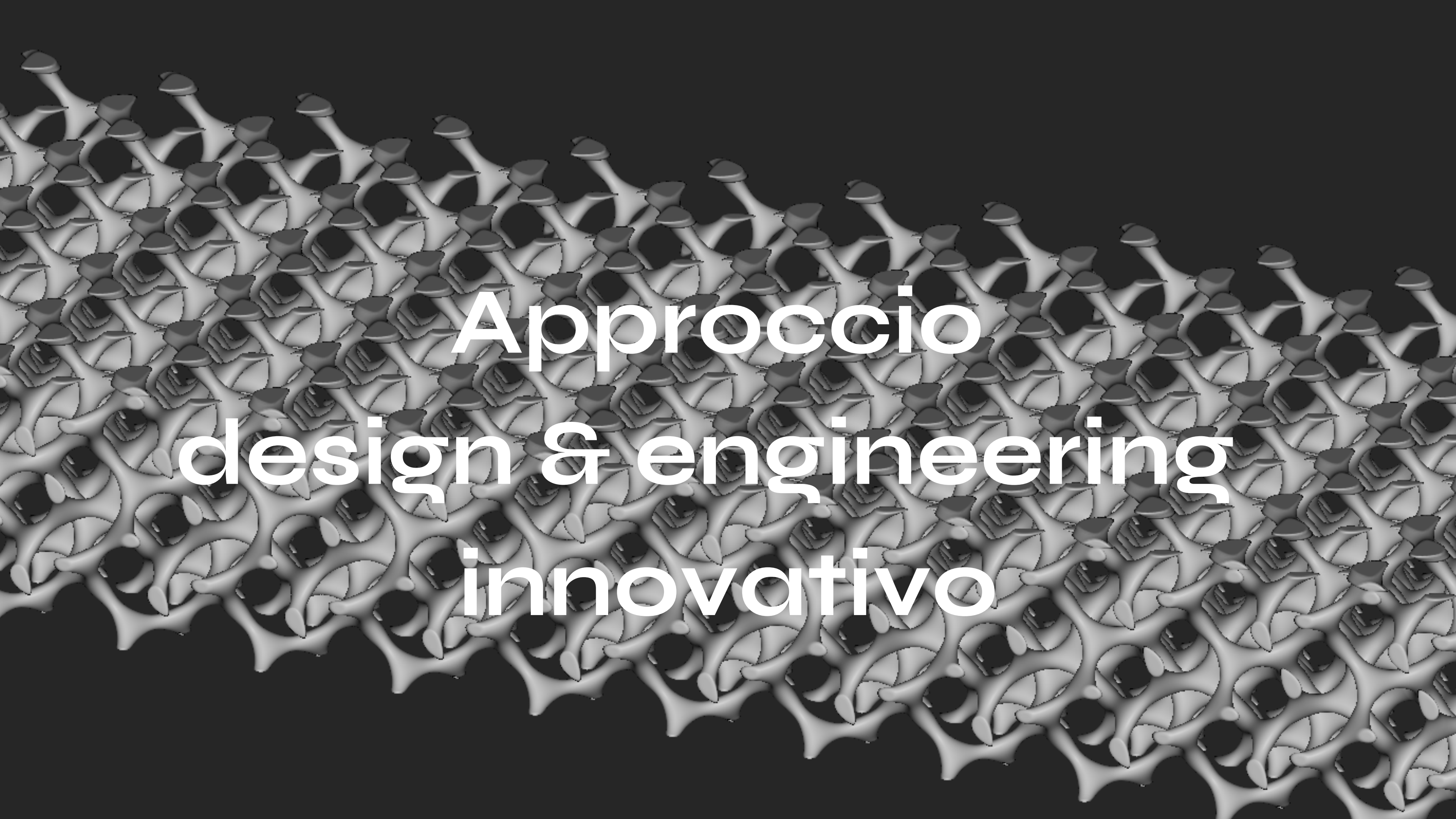
**Le persone,  
l'idea, un nuovo  
modo di fare  
impresa, il  
networking,  
l'ingegneria  
bioispirata**





**Trasformare le opportunità  
dell'AM in Vantaggi concreti  
per le aziende**





Approccio  
design & engineering  
innovativo



# Topology optimization

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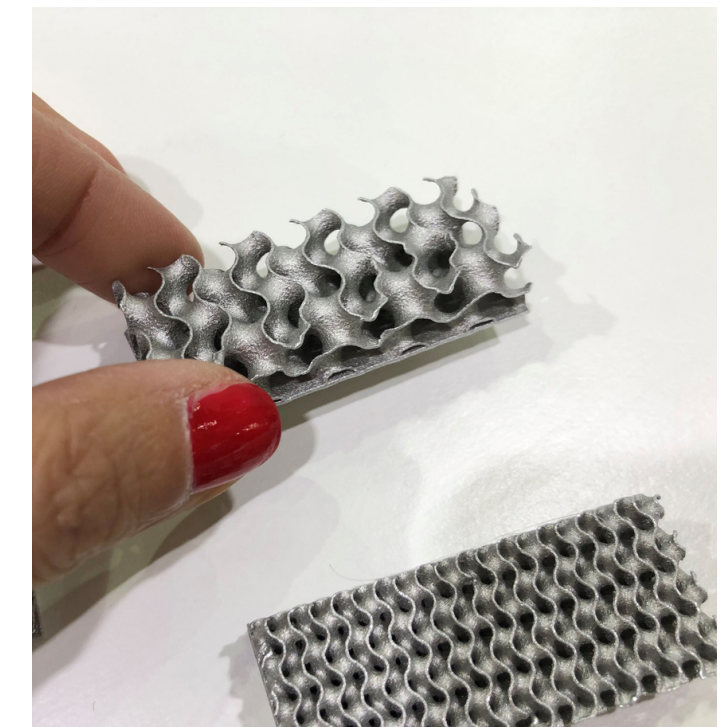


**lattice structures**

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**generative design**

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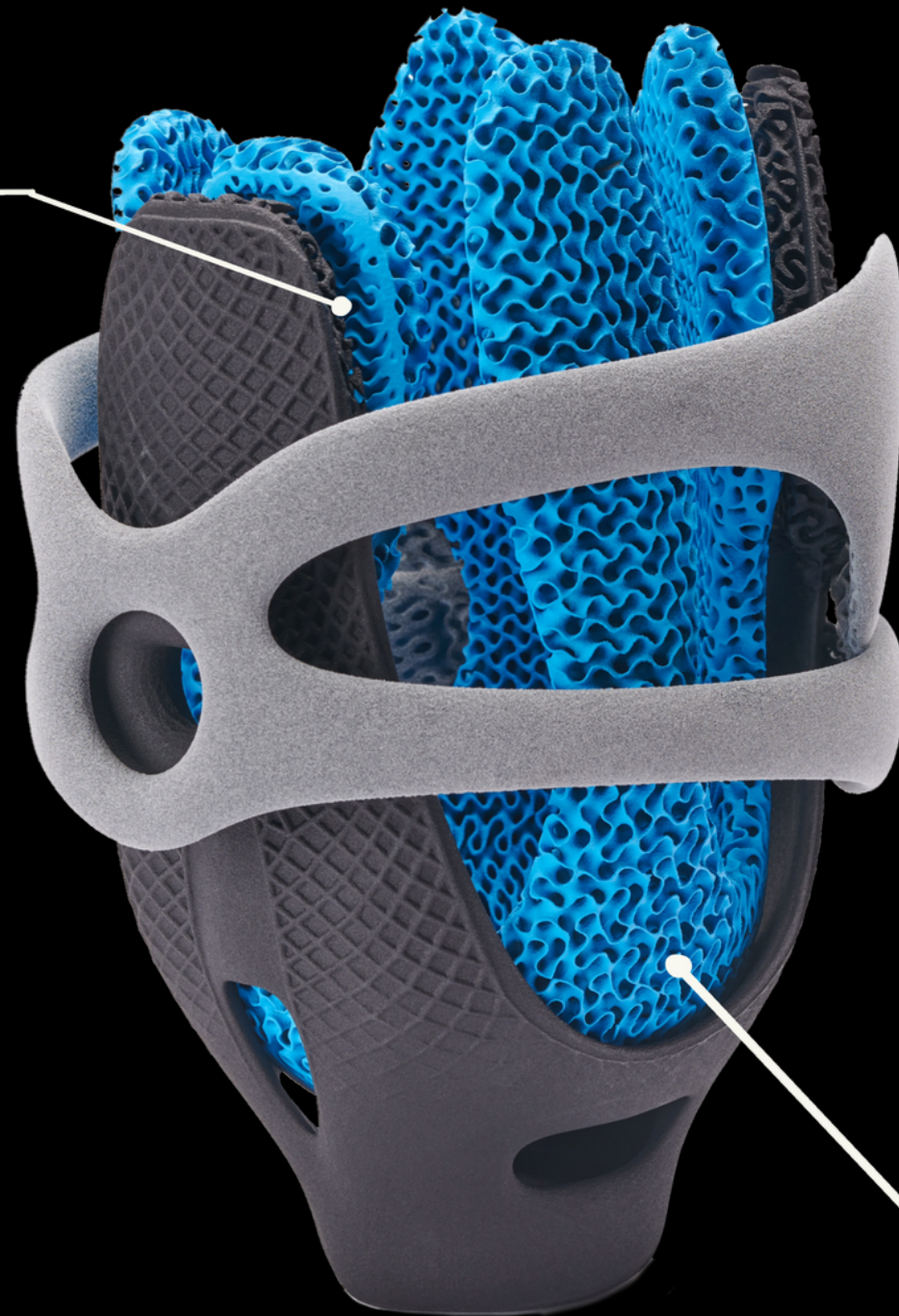
# Casi applicativi





INTERLOCKING SYSTEM

SOFT



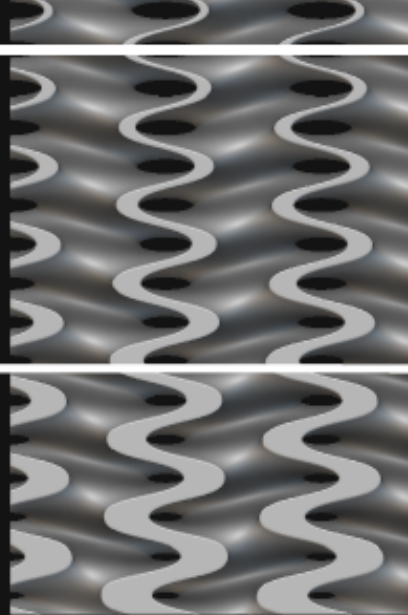
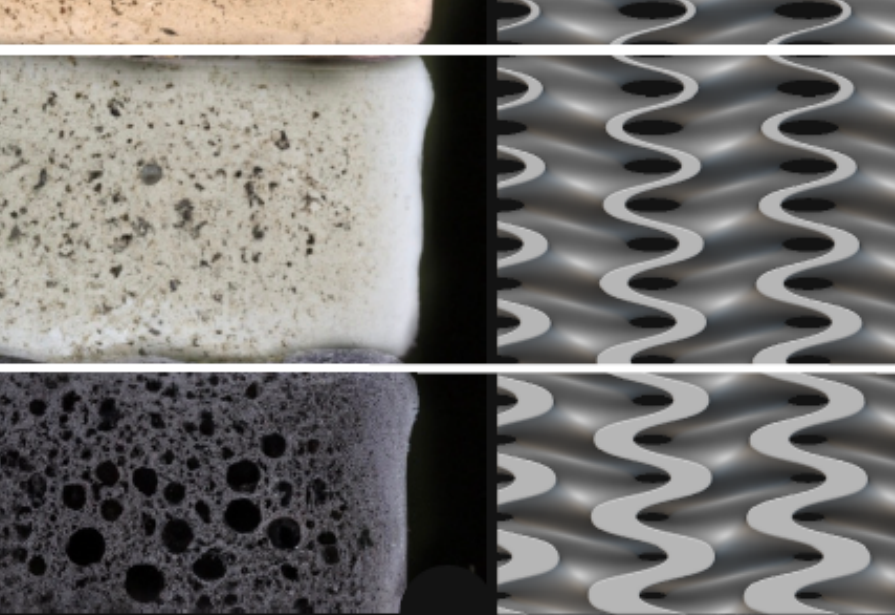
GRADIENT THICKNESS



CONFORMAL TPMS

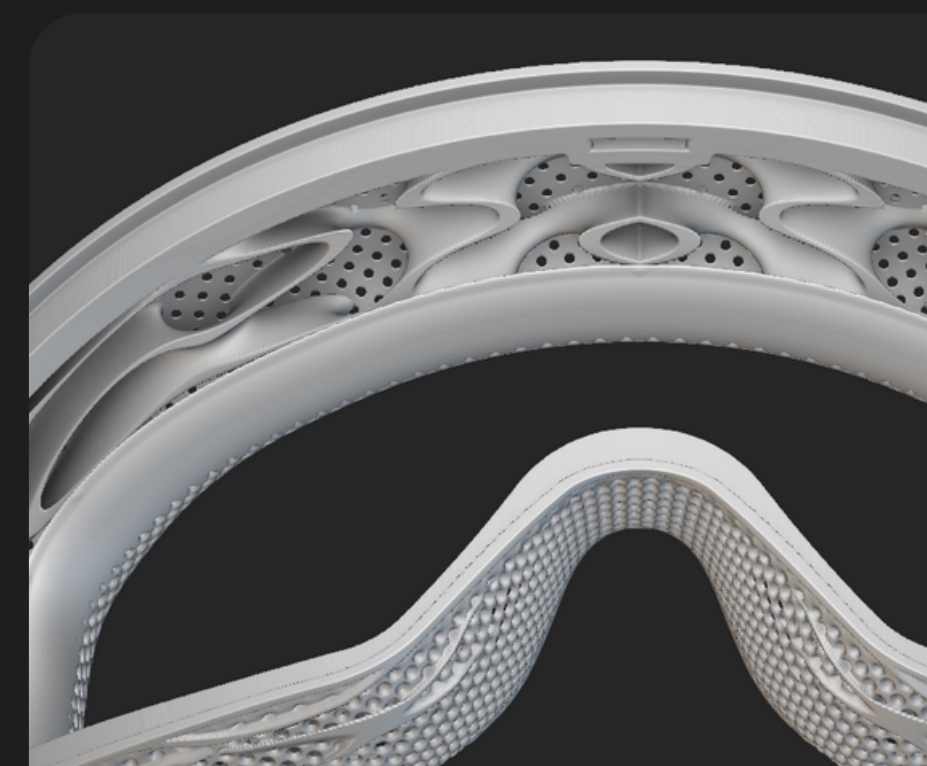
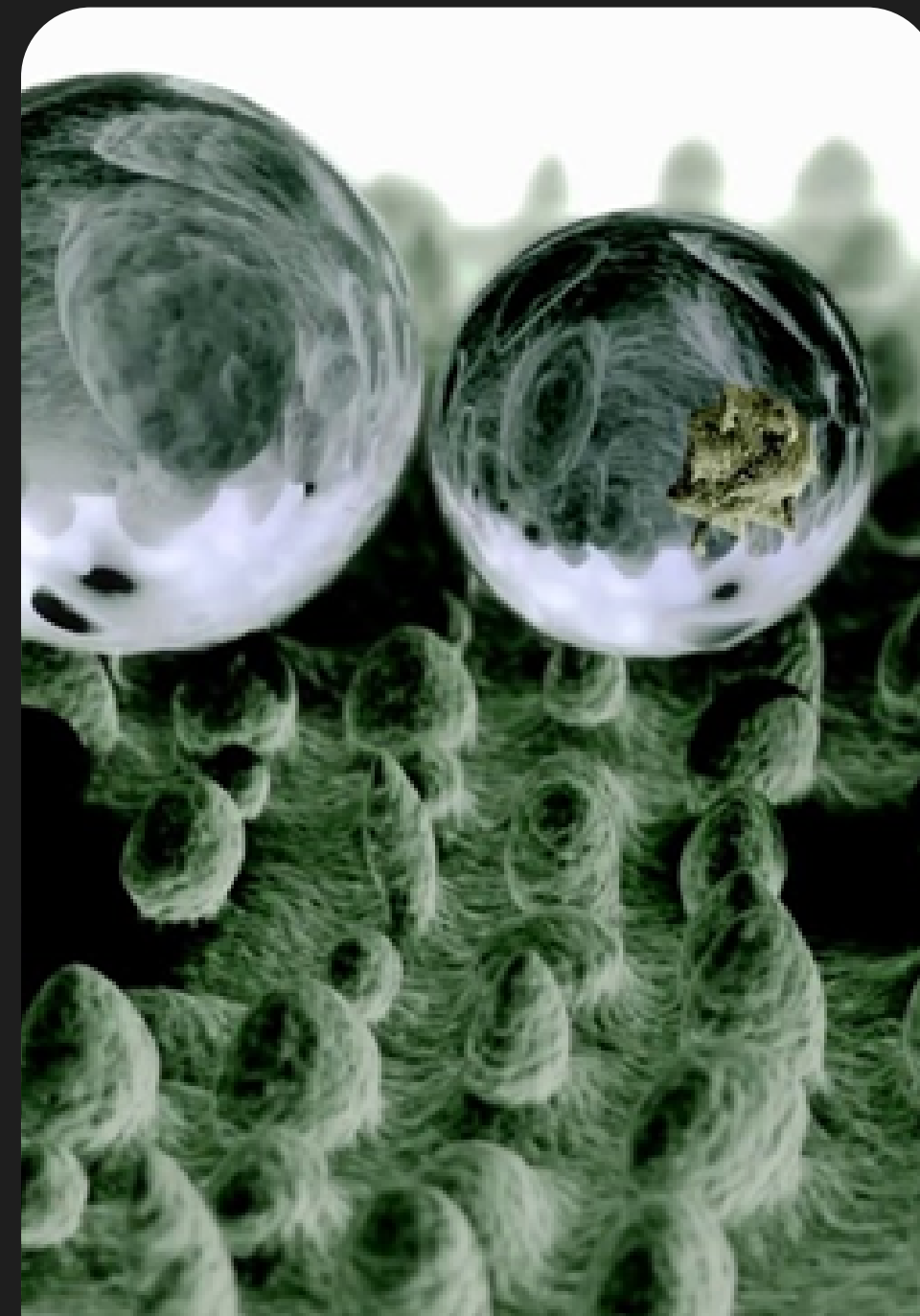
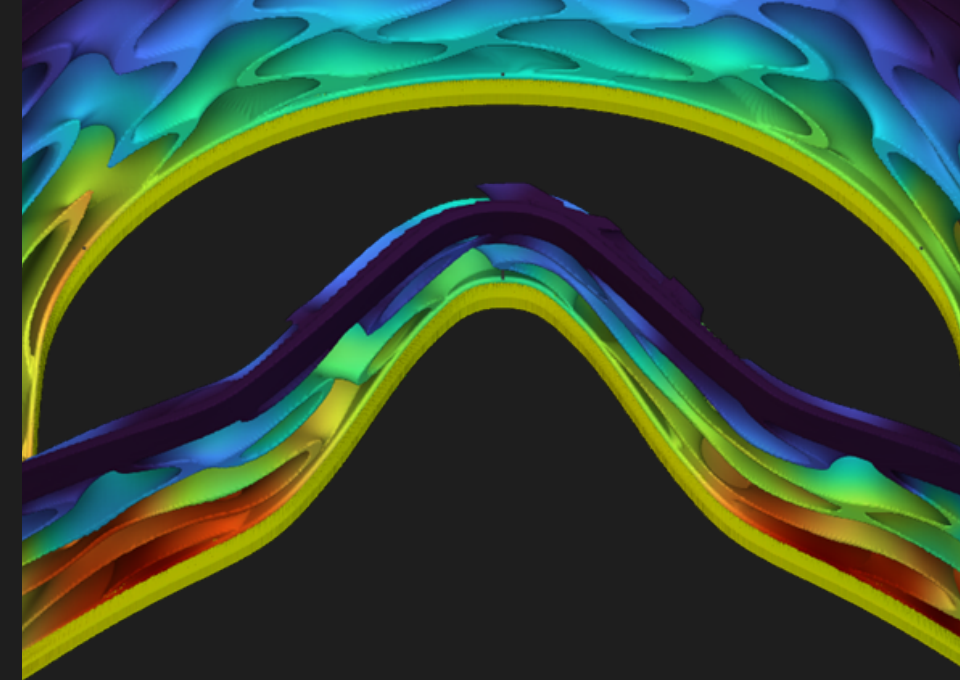
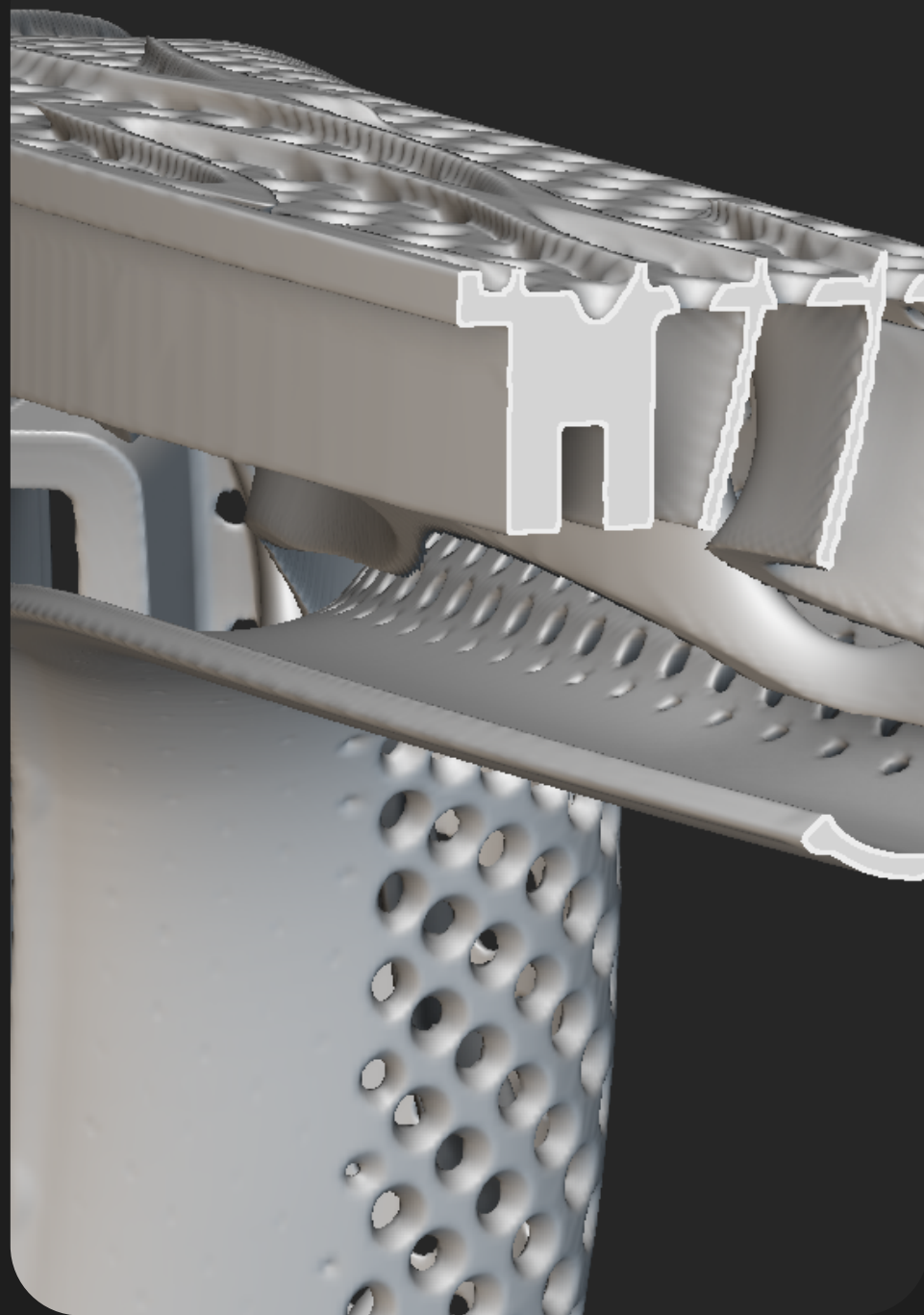






foam

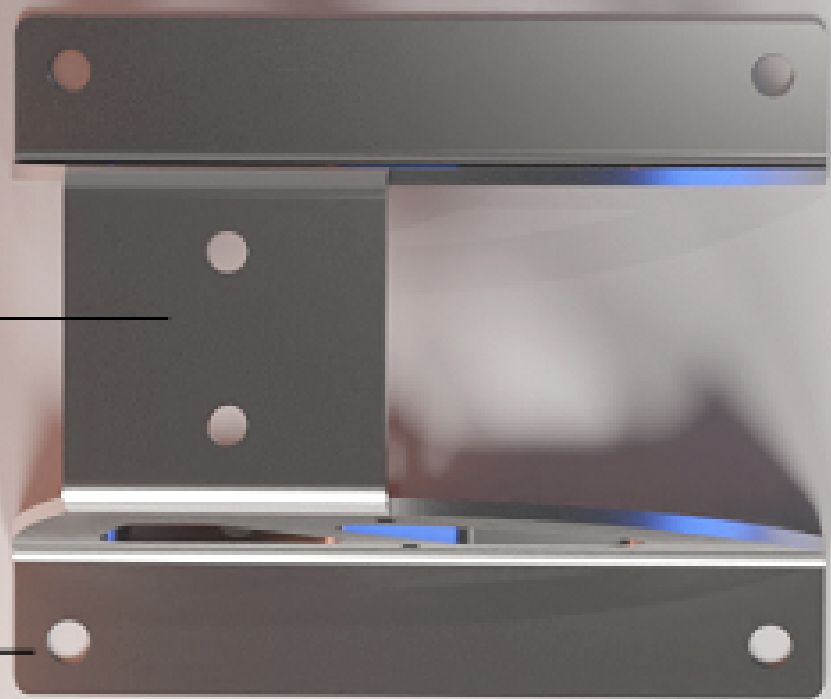
digital



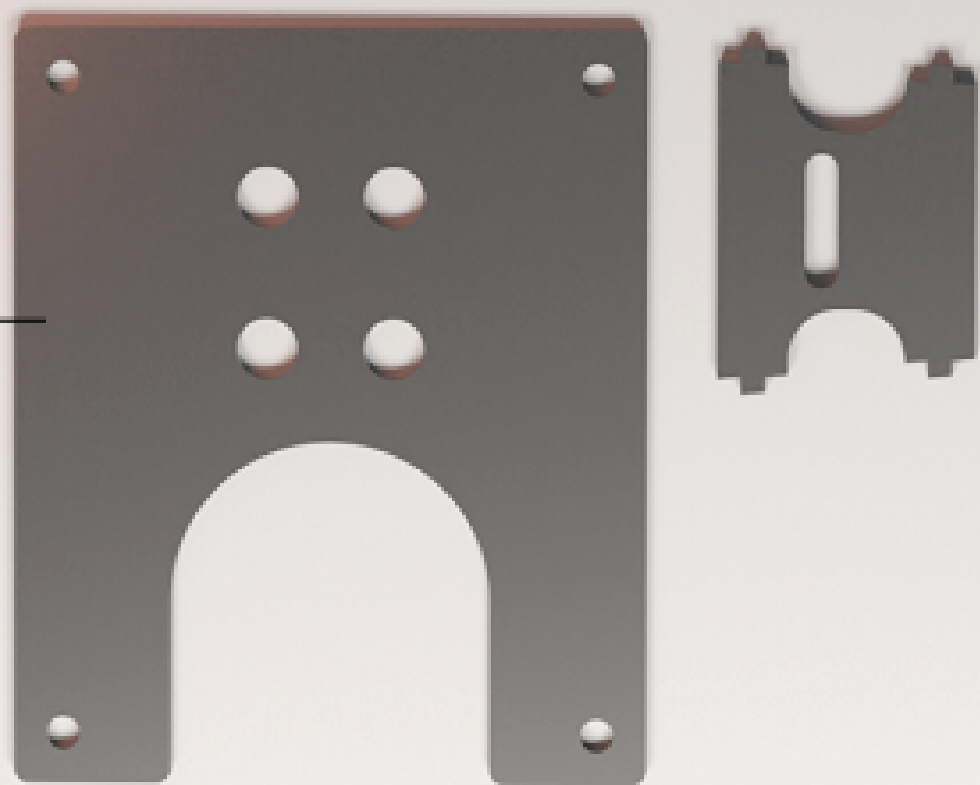


cnc + assemblaggio

alluminio



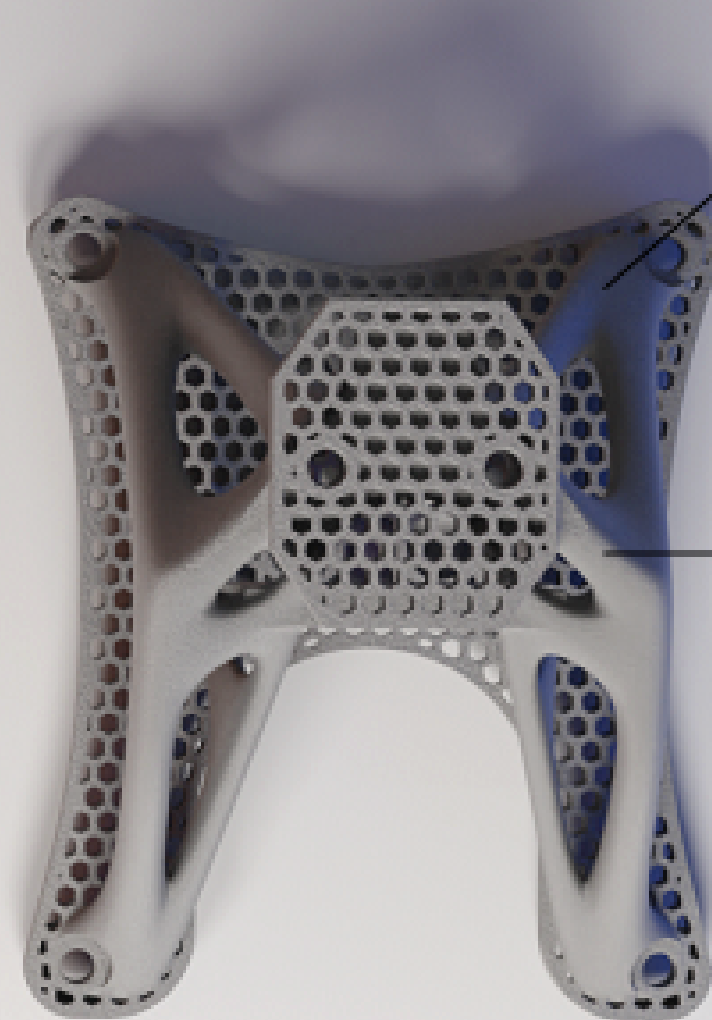
componenti originali= 3



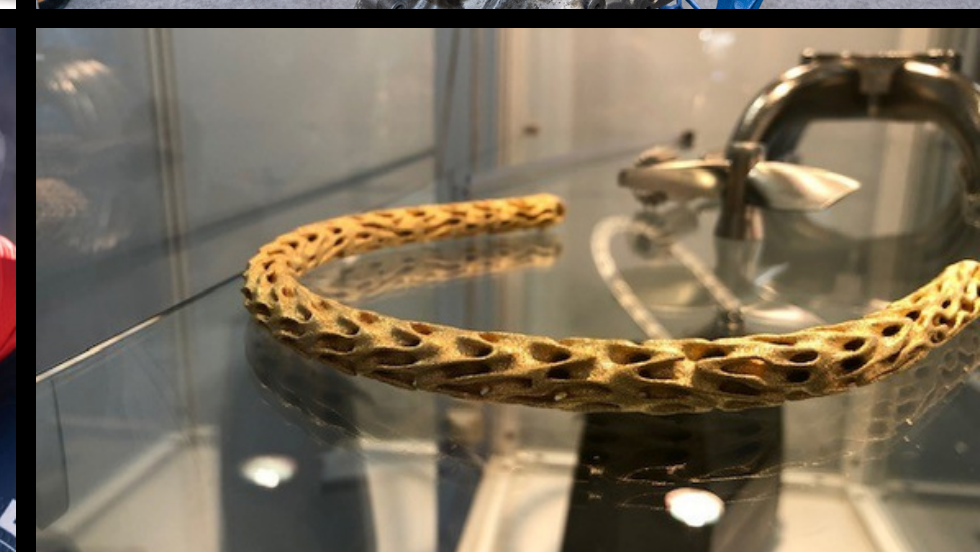
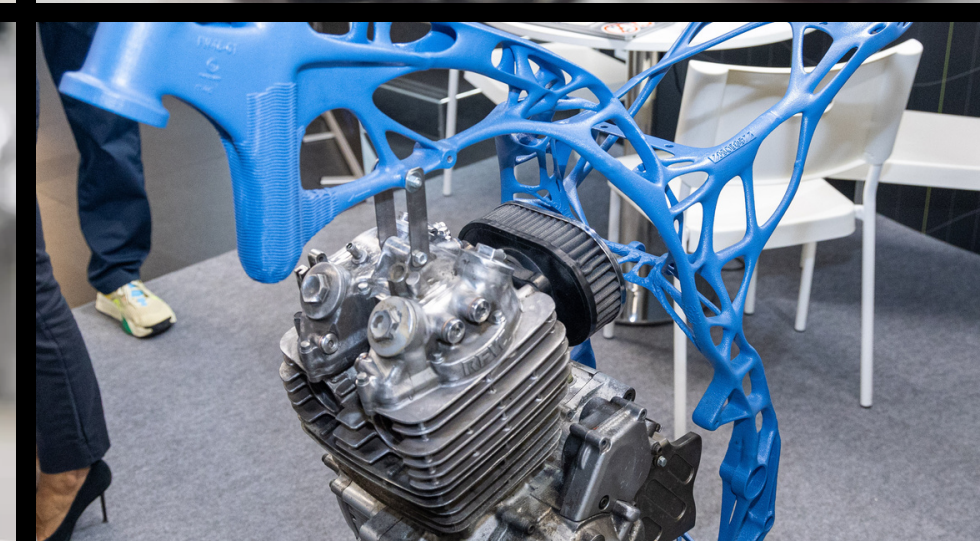
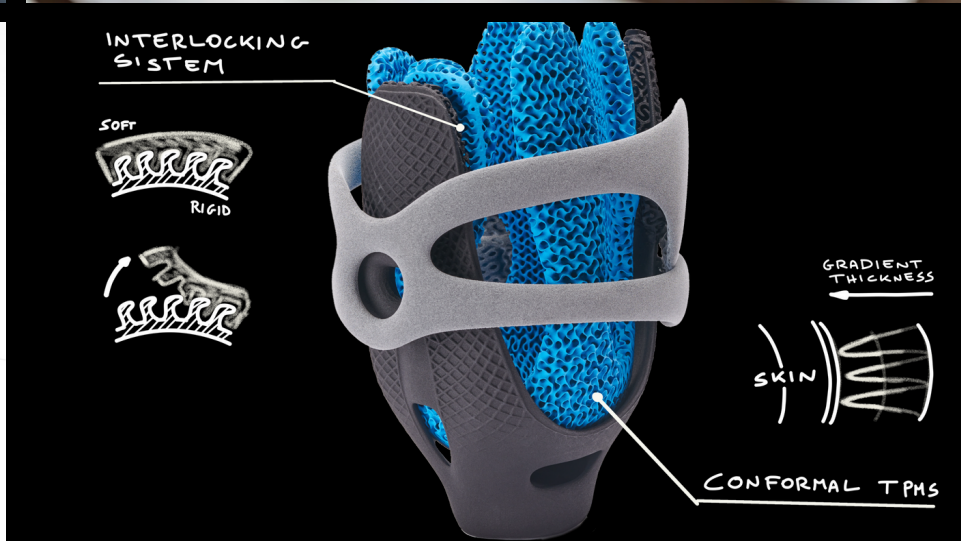
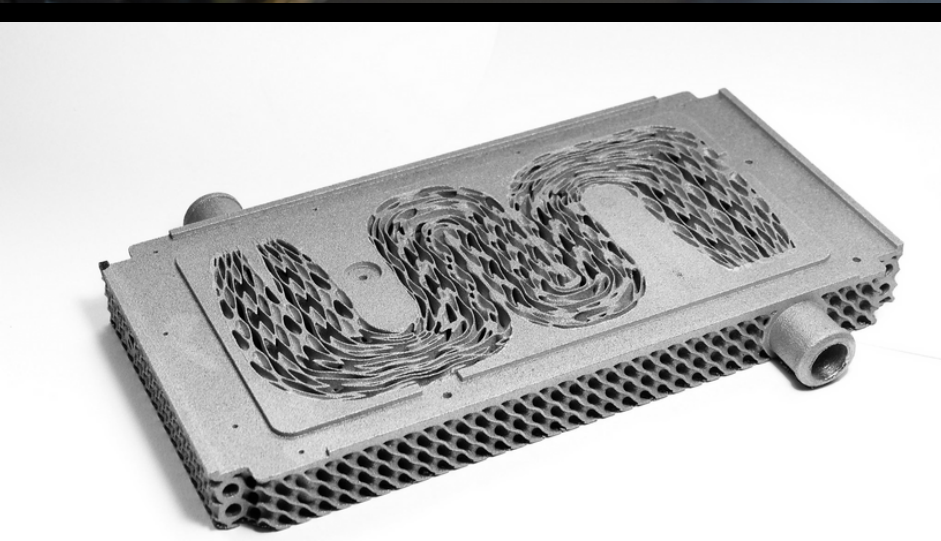
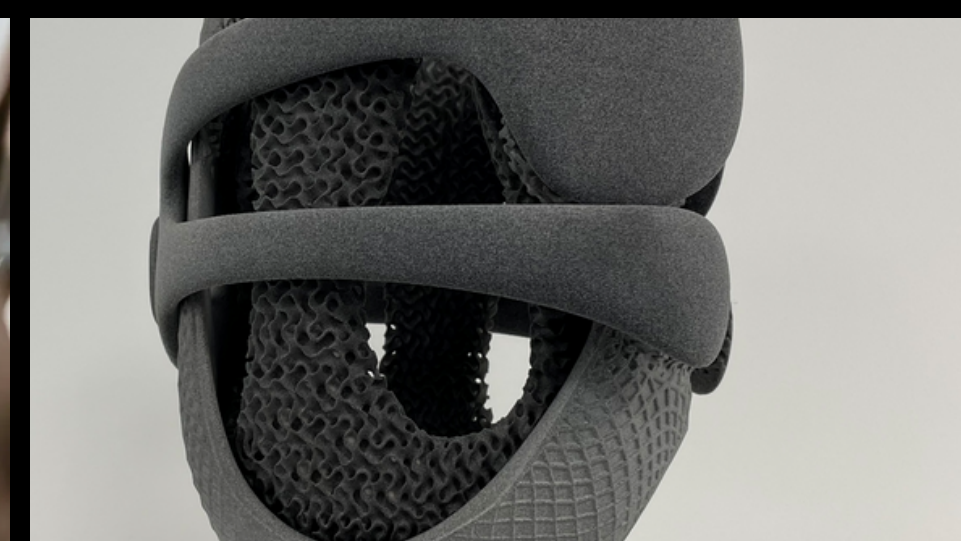
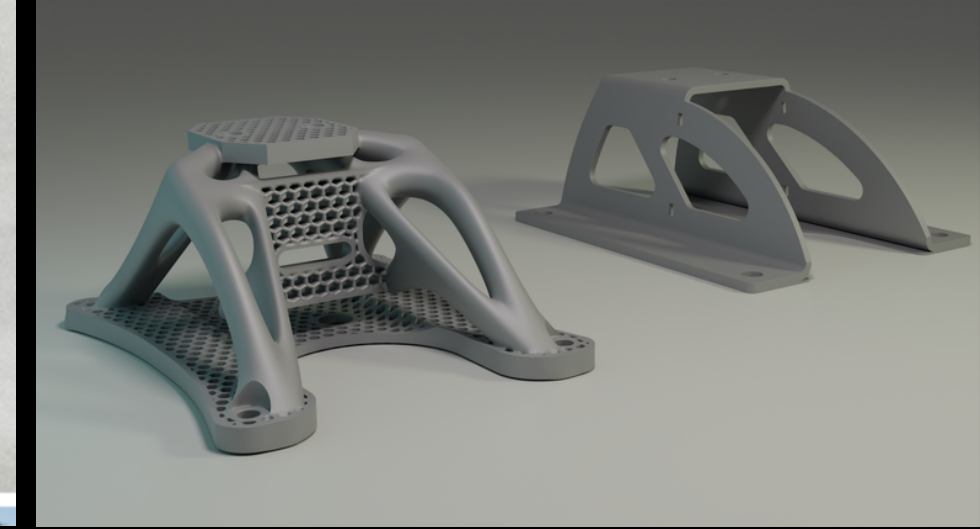
Additive Manufacturing = 1 pezzo

componente ottimizzato = 1

PA12











# Innova Migliora Risolvi

**INNOVIAMO** bilanciando proposte ingegneristiche ambiziose con concretezza e sostenibilità.

**MIGLIORIAMO** prodotti e processi produttivi combinando stampa 3D e nuove metodologie di progettazione.

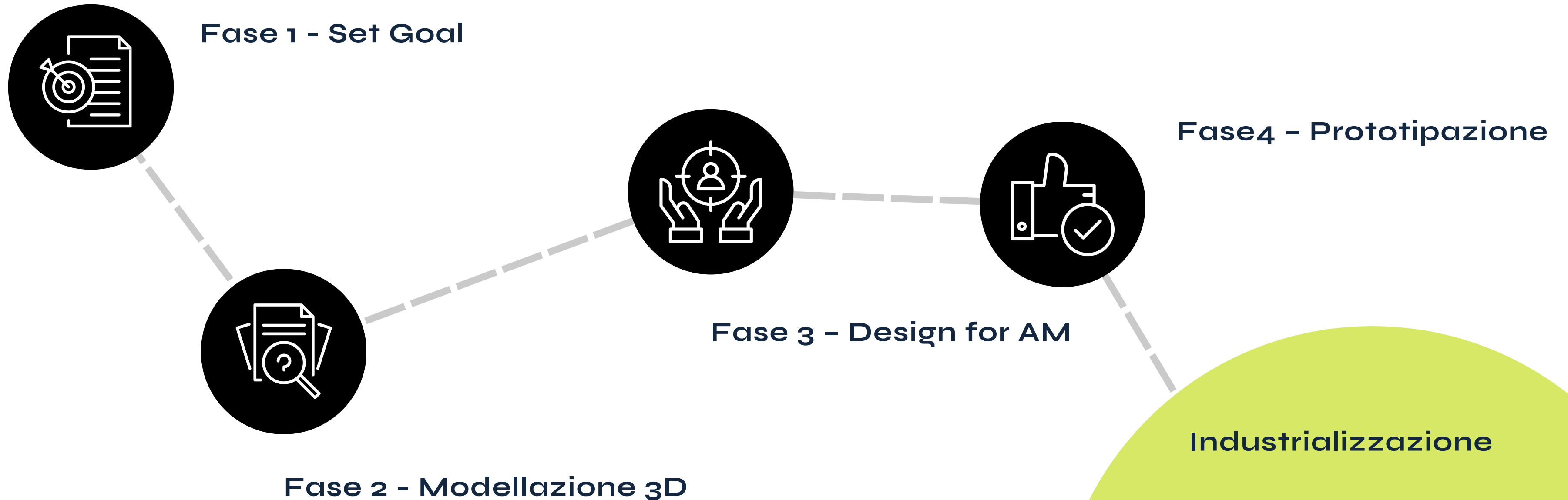
**RISOLVIAMO** problematiche strategiche legate ai vincoli delle tecnologie tradizionali.



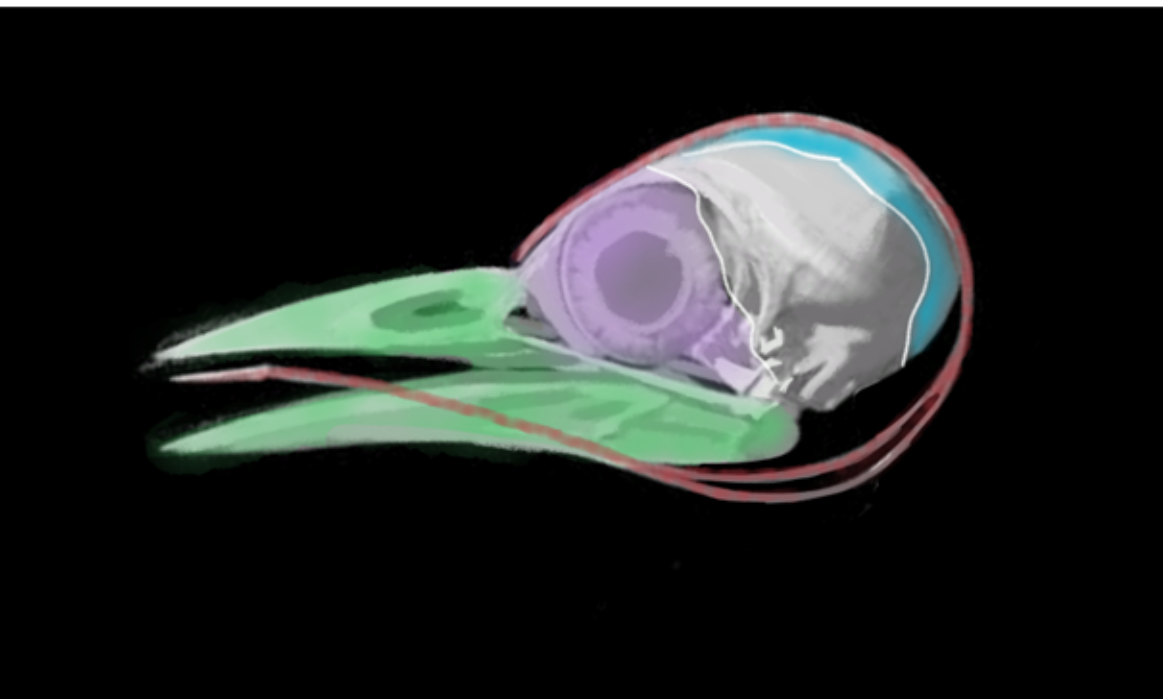
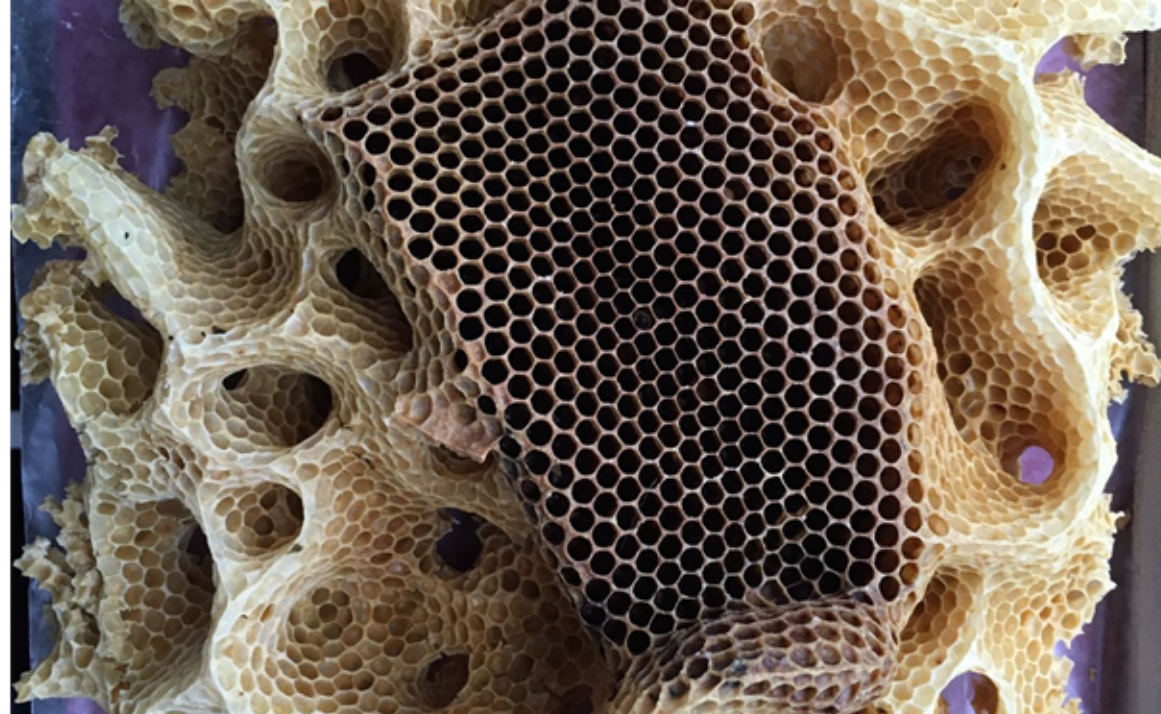


# PUNTOZERO WORKFLOW

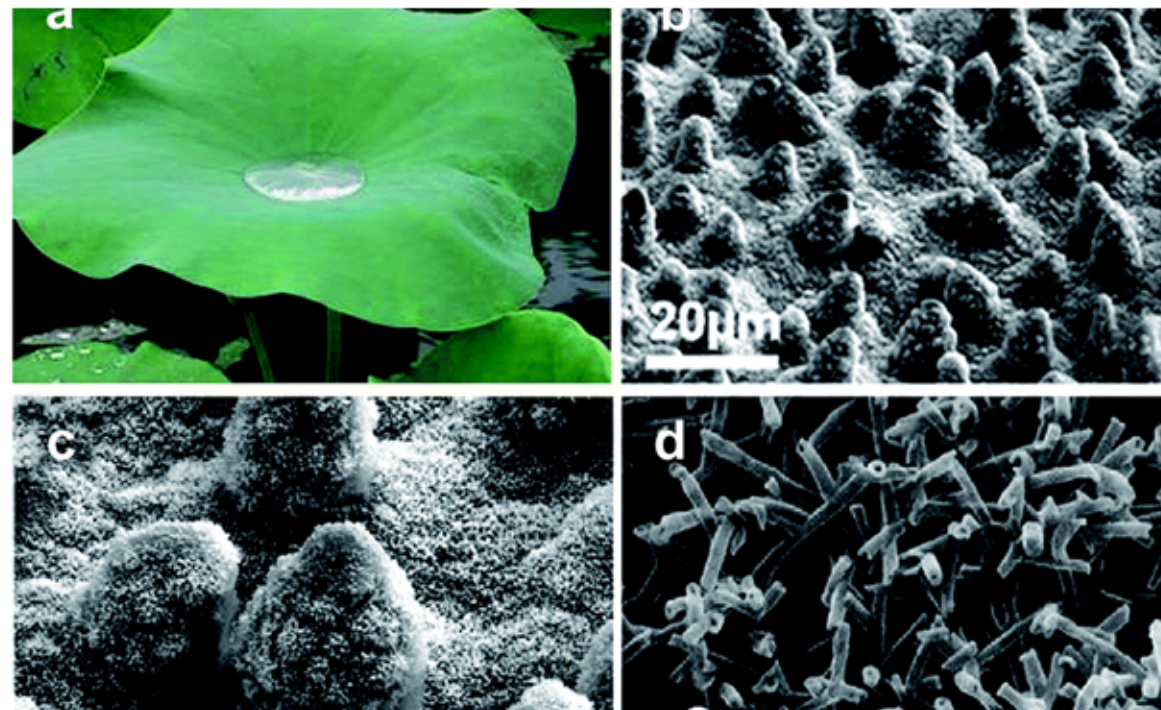
partendo da: foglio bianco, Sketch, modello 3D o Scansione 3d di un modello fisico







**Progettiamo  
lasciandoci ispirare  
dall'efficienza della  
natura per dare una  
funzione ad ogni  
forma**







**In un mercato in continua  
evoluzione, favoriamo l'uso  
delle tecnologie del domani  
per i prodotti di oggi.**



Thanks

**For Your Time**

Simona Arena

[simona.arena@puntozero3d.com](mailto:simona.arena@puntozero3d.com)

[www.puntozero3d.com](http://www.puntozero3d.com)