



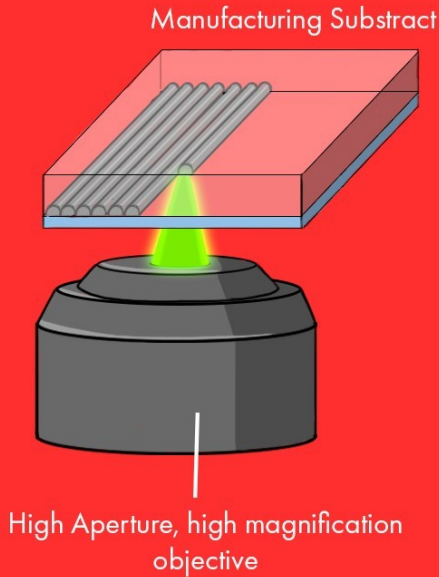
FABULOUS

FABrication of 3D metasurfaces to enable the next generation of high efficiency optical products

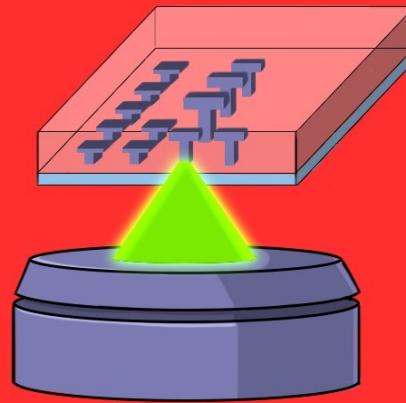


Funded by
the European Union

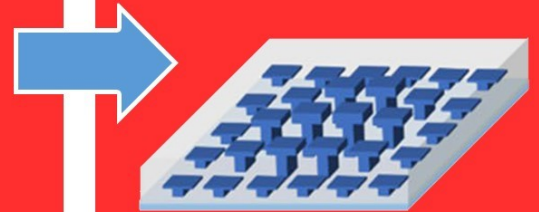
A new industrial surface 'coating' technology for manufacturing high resolution 3D metasurfaces at a throughput viable for series production



**CONVENTIONAL
POINT BY POINT
MPL**

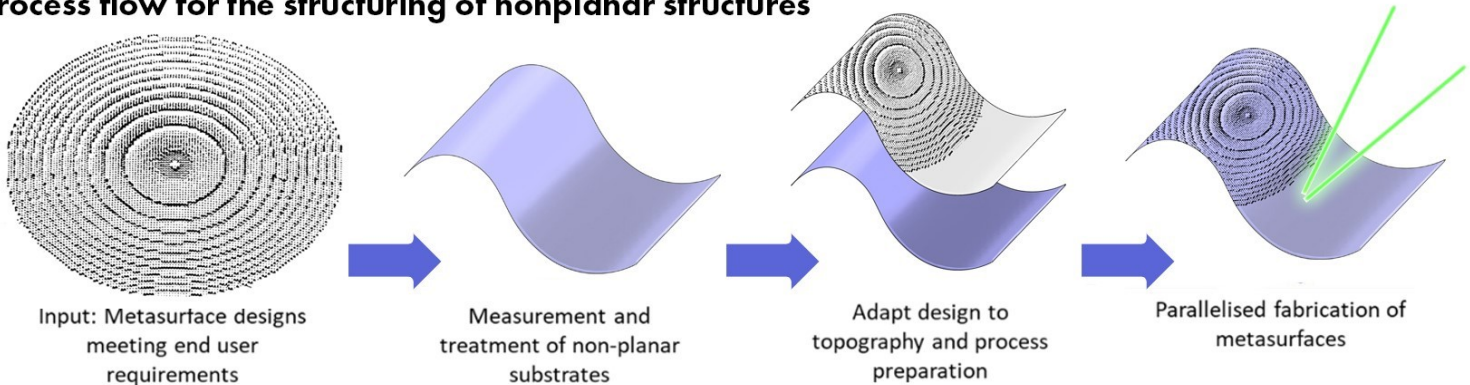


**PARALLELIZED
MPL FOR 3D
METASURFACE**

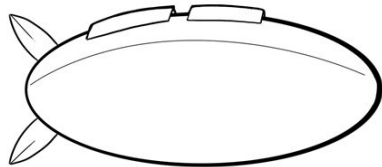


**PRINTED
METASURFACE**

Process flow for the structuring of nonplanar structures



The FABulous technology delivers an innovative high-efficiency manufacturing solution that will enable Europe's lead in industrial decarbonisation through the demonstration of sustainable manufacturing with reduced energy and resource consumption and increased productivity in three complementary use cases:



Manufacturing high efficiency solar cells for high altitude platforms



Reducing the size and weight of automotive camera lenses



Manufacturing high efficiency light pipes used in automotive lighting systems.

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