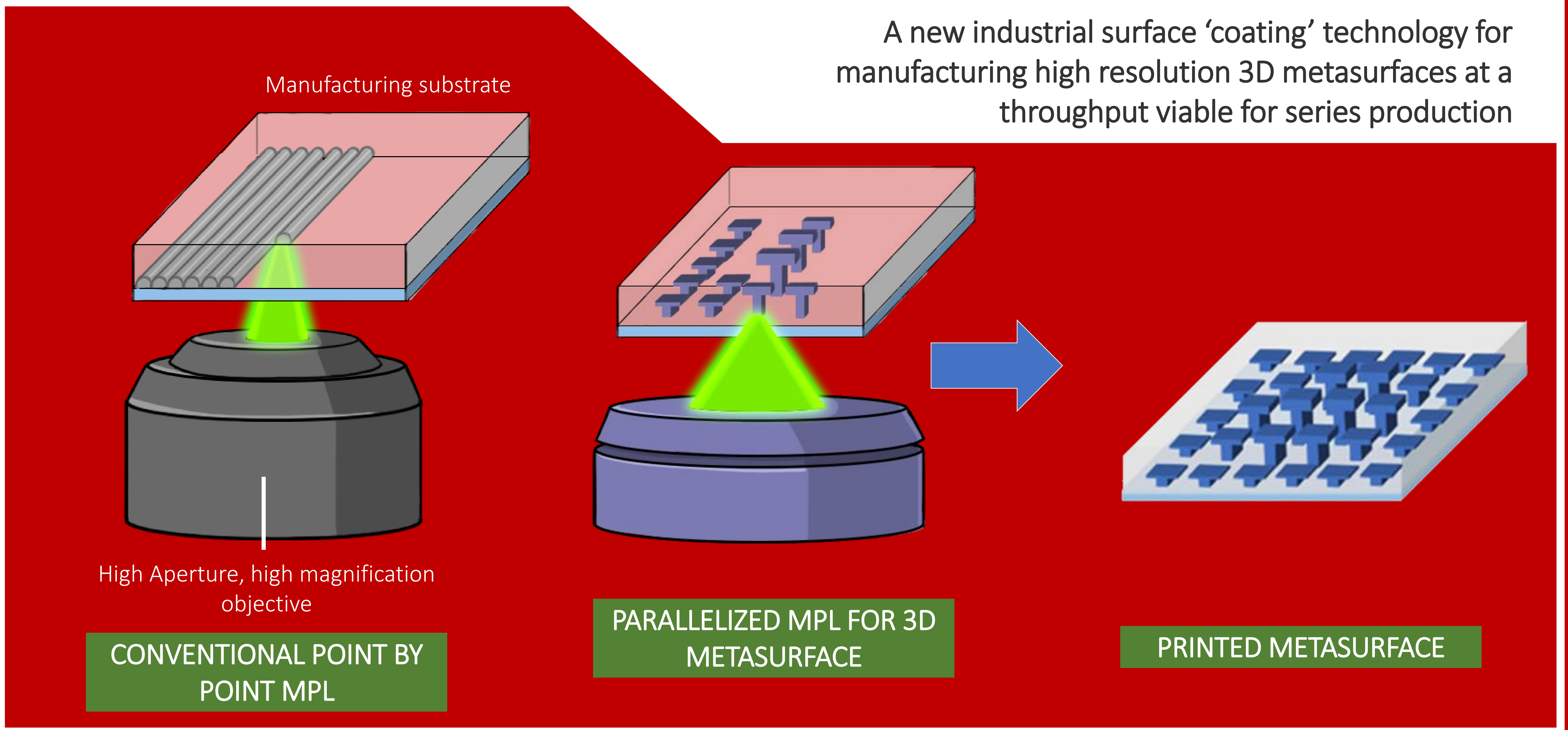


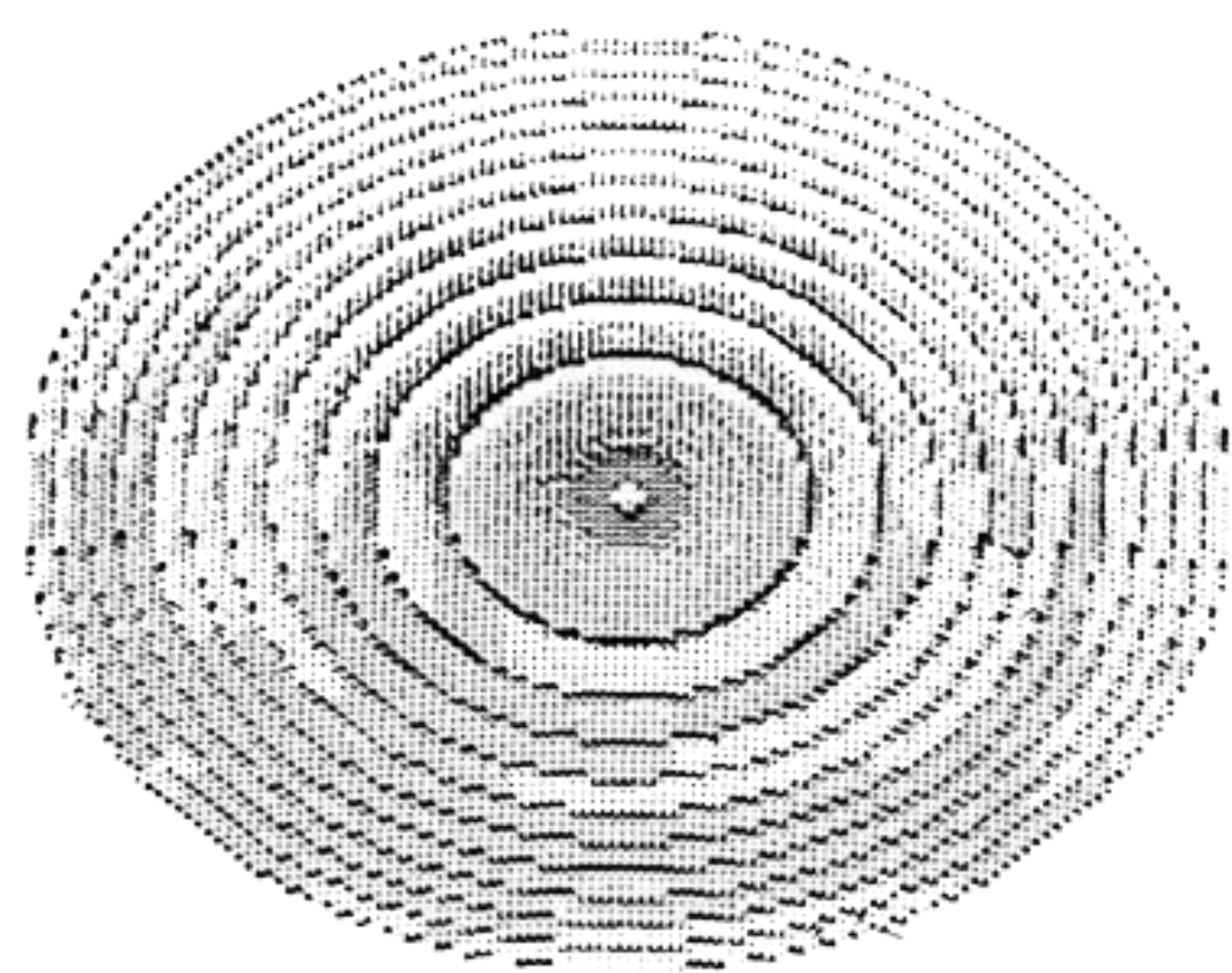
FABULOUS

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

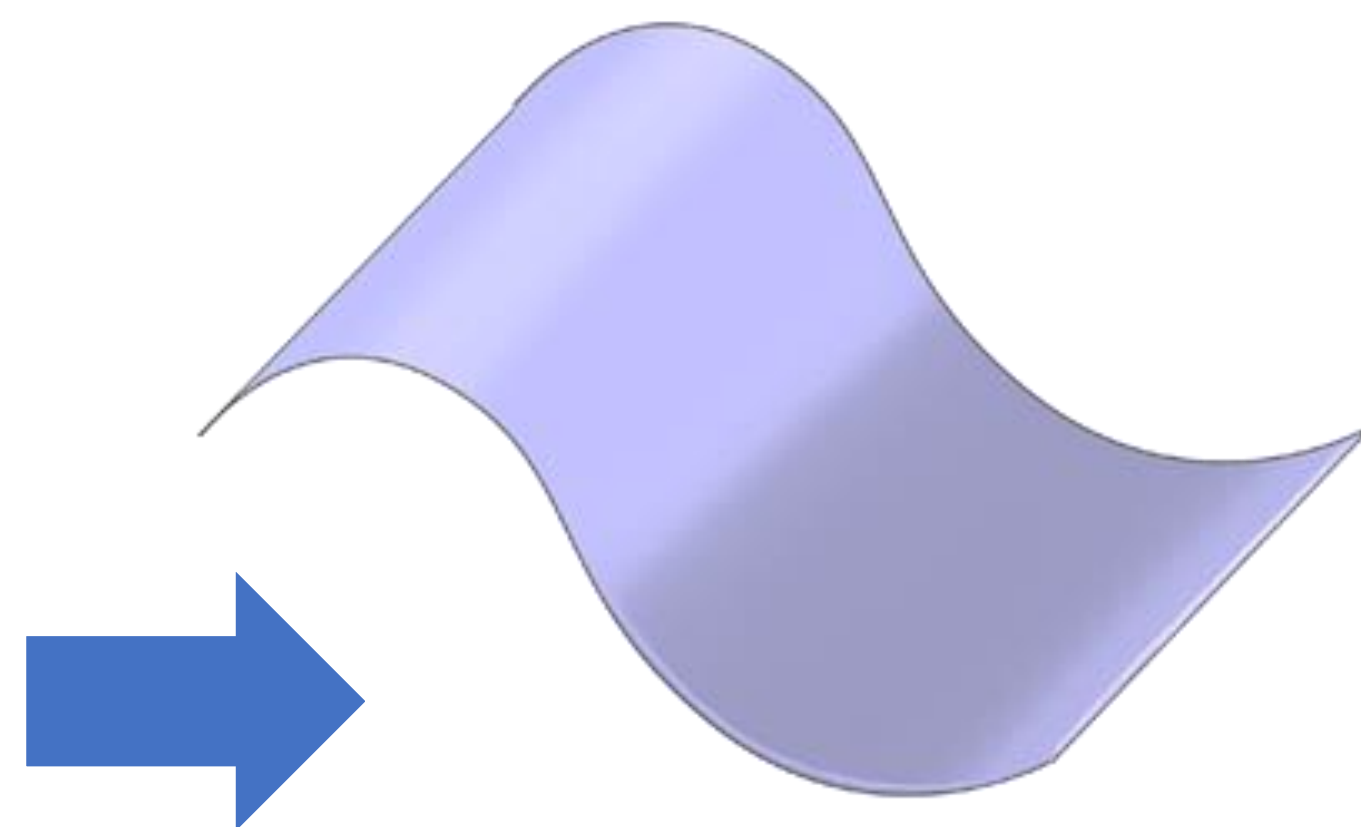
A new industrial surface 'coating' technology for manufacturing high resolution 3D metasurfaces at a throughput viable for series production



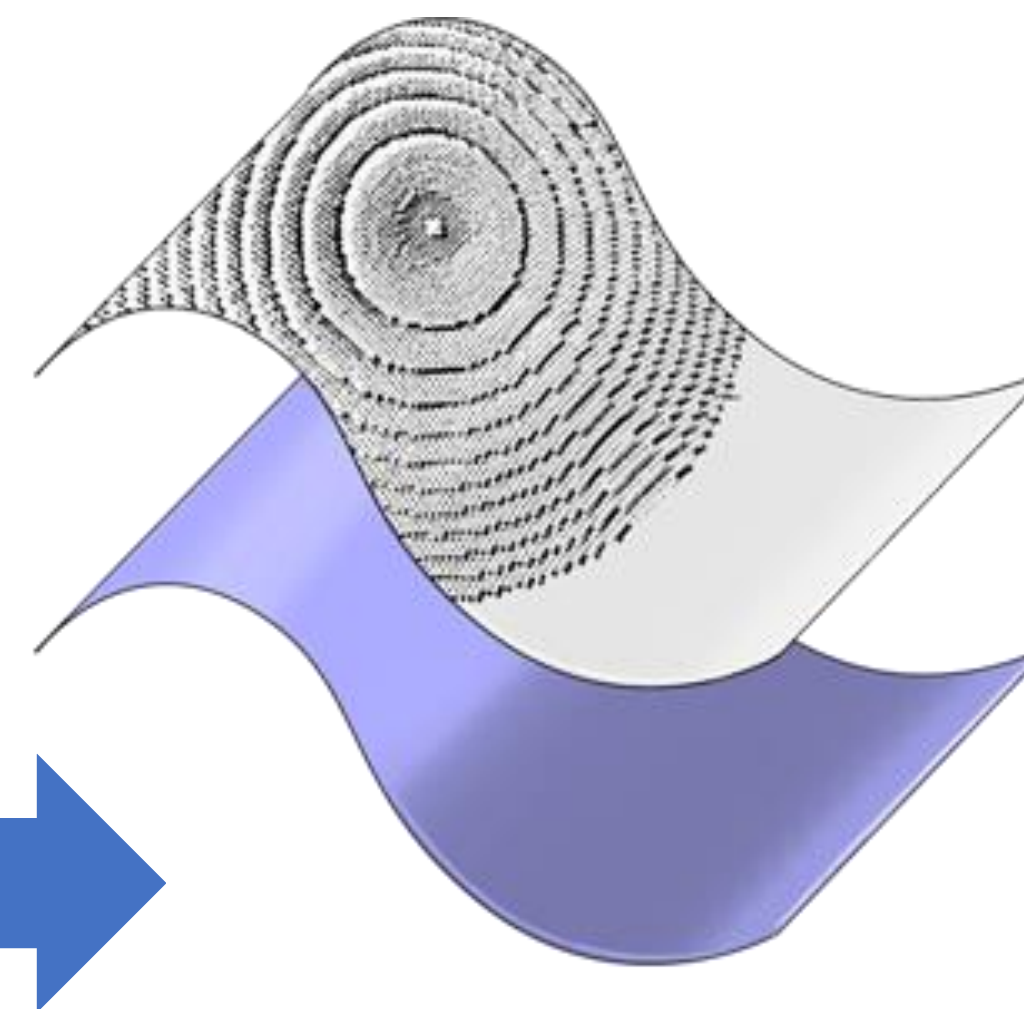
Process flow for the structuring of nonplanar substrates



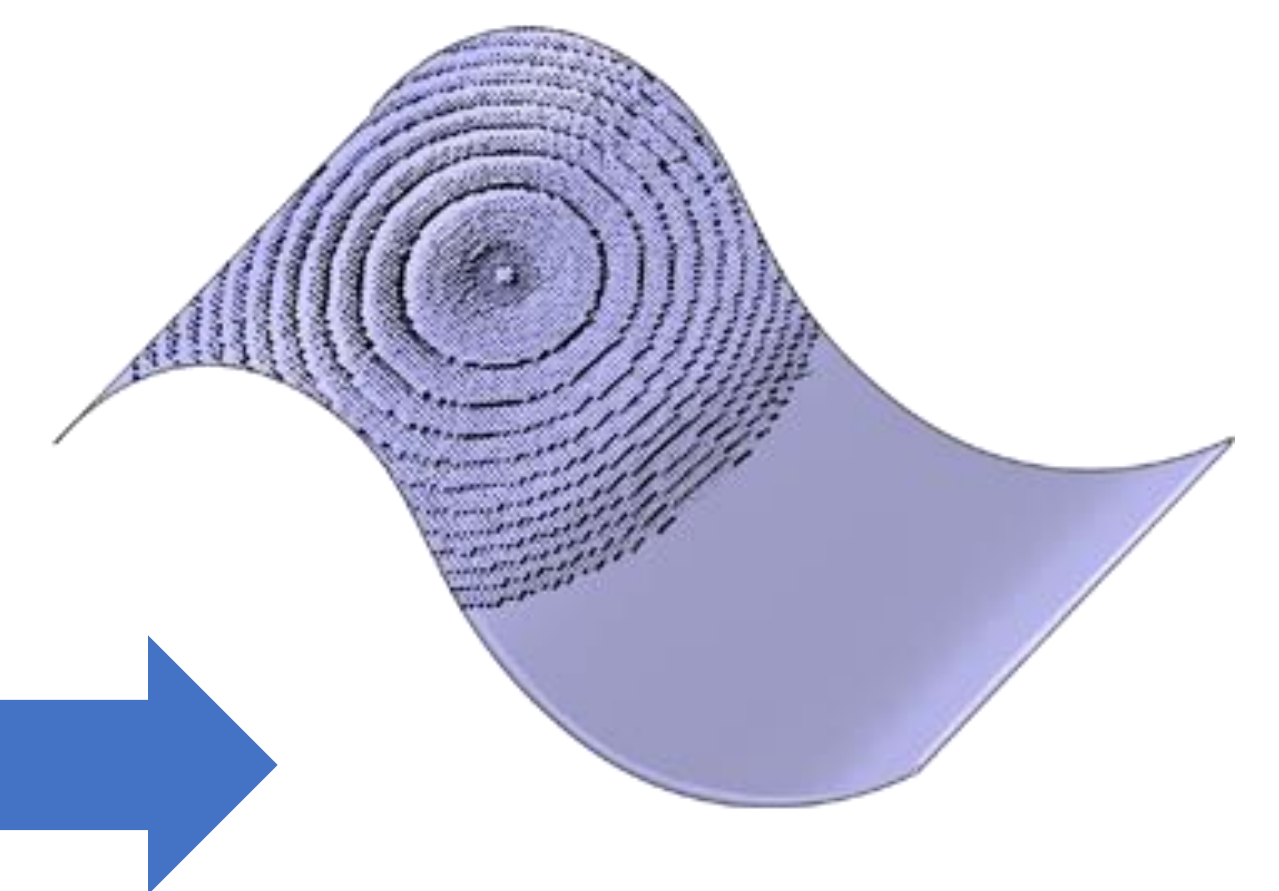
Input: Metasurface designs meeting end user requirements



Measurement and treatment of nonplanar substrates

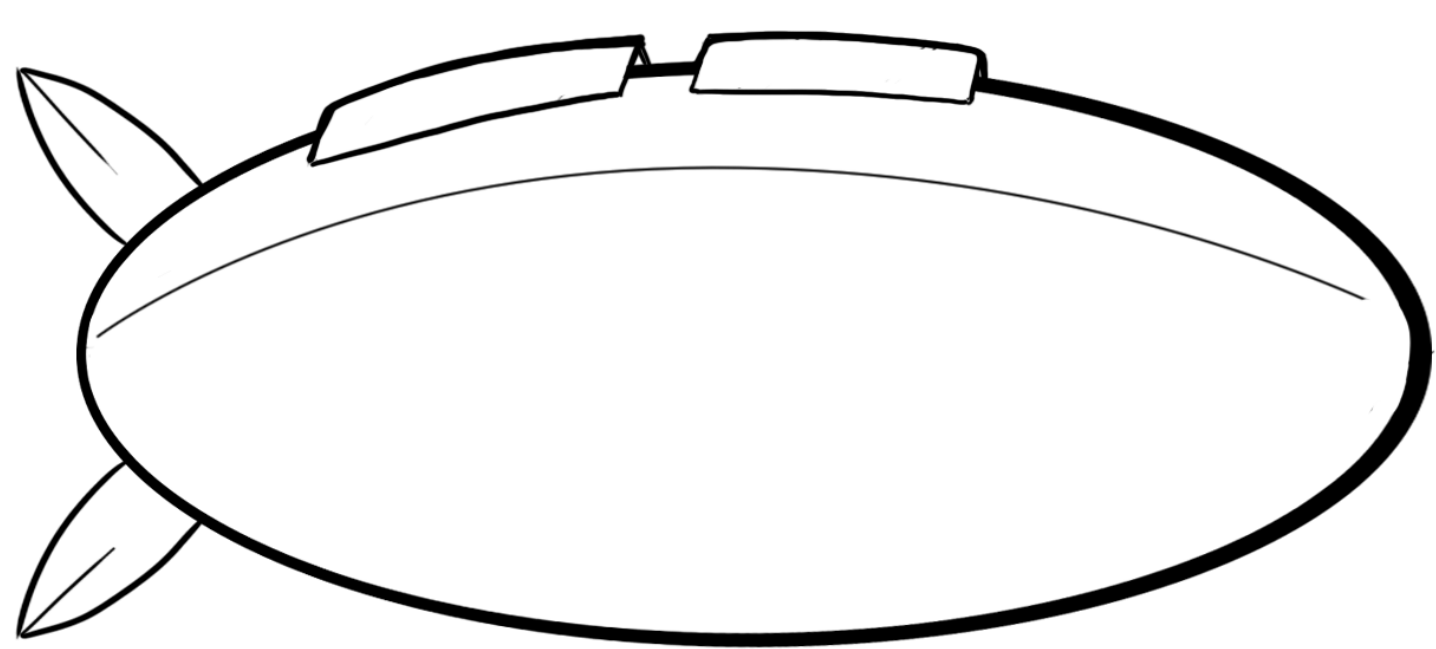


Adapt design to topography and process preparation

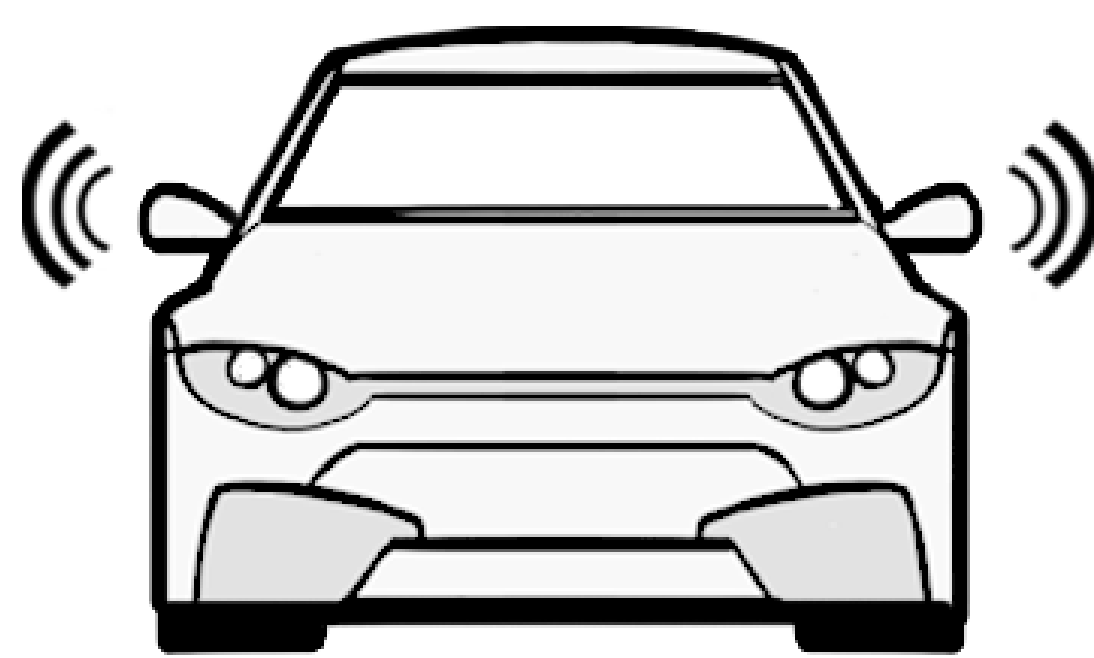


Parallelized fabrication of 3D metasurfaces

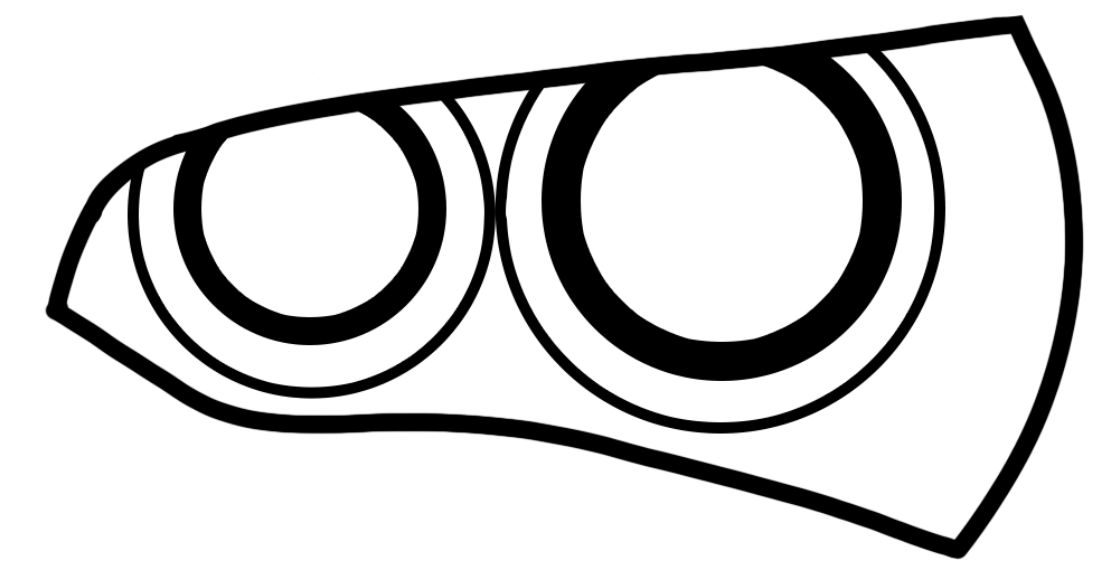
The Fabulous technology delivers an innovative high-efficiency manufacturing solution that will enable Europe's lead in industrial decarbonisation through the demonstration of sustainable manufacturing with reduced energy and resource consumption and increased productivity in three complementary use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



Manufacturing high efficiency solar cells for high altitude platforms

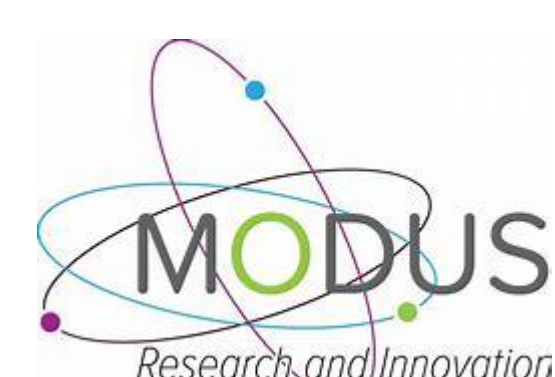


Reducing the size and weight of automotive camera lenses



Manufacturing high efficiency light pipes used in automotive lighting systems

www.fabulous3d.eu
fabulous@modus.ltd
 @fabulous-project
 @Fab3D_Project



Funded by the European Union