

MULTIPOINT CONSORTIUM



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MULTIPOINT

Femtosecond Laser System for High Throughput Microdrilling



PHOTONICS PUBLIC PRIVATE PARTNERSHIP

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No. 825567 and it is an initiative of the Photonics Public Private Partnership.

OBJECTIVE

MULTIPOINT's main objective is to develop a **high power femtosecond laser system** for high throughput micro-drilling of large titanium panels used in the fabrication HLFC (Hybrid Laminar Flow Control) structures in the aerospace industry.

PROJECT



6
partners



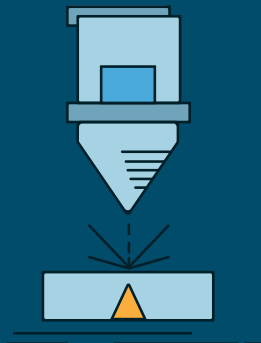
36
months



4M€
budget

MAIN TECHNOLOGICAL CHALLENGES

- A 1.2 kW femtosecond laser source.
- A multibeam generation unit.
- Two strategies for delivering the multibeam pattern to the titanium panel.



EXPECTED IMPACTS

The development of Multipoint's femtosecond laser system will improve the fabrication of HLFC (Hybrid Laminar Flow Control) structures and therefore, it will be viable to apply them in the aerospace industry.

