MORE INFO:

OR

modulase.eu

ModuLase

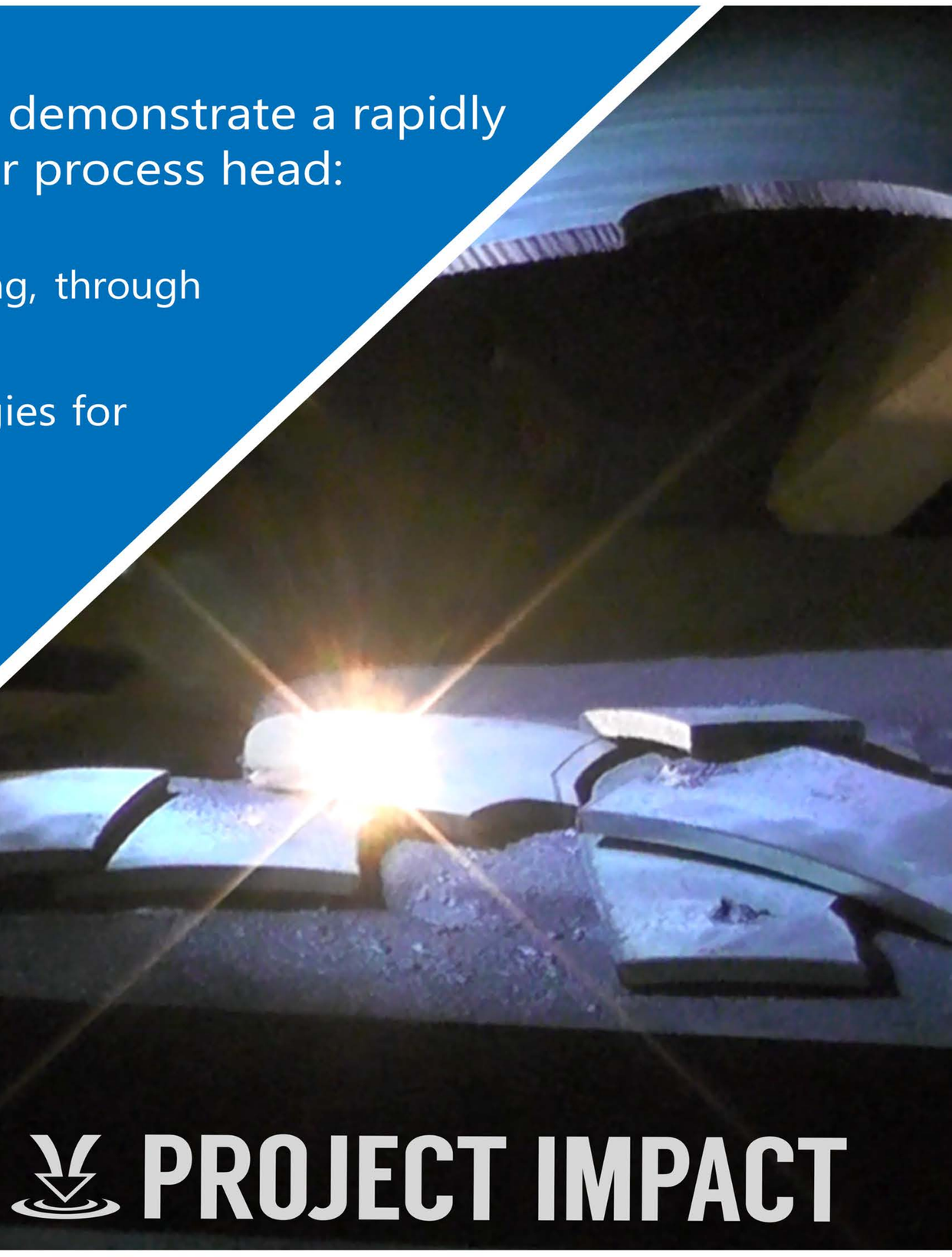
MODULAR LASER PROCESS HEAD

AIM

Develop, validate & demonstrate a rapidly re-configurable laser process head:

- Capable of welding, cladding and cutting, through the use of three modular end-effectors
- Including intelligent sensor technologies for in-process monitoring
- Linked to an intelligent system, to achieve adaptive process control, quality assurance, and process parameter configuration

The project will focus on materials and geometries for high value manufacturing applications in the power, automotive and aerospace sectors.



PROJECT IMPACT

- Safe-guarding of existing jobs and the creation of highly skilled employment opportunities in the manufacturing sector within the EU
- Laser processing is an energy efficient process compared with traditional materials processing techniques and generates significantly less fume

PROJECT PARTNERS

TWI · EWF (European Federation for Welding, Joining and Cutting) · aimen Technology Centre · Q-Sys · ULO Optics · Graham Engineering Ltd (A complete service of quality engineering) · CRF · SODECIA

PHOTONICS21 · FoF Factories of the Future Public Private Partnership · Horizon 2020 European Union Funding for Research & Innovation

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