

DESIGN AND DEVELOPMENT OF REMOTELY PILOTED AIRCRAFT SYSTEMS FOR PROFESSIONAL USE IN INSPECTION AND VISUAL AND/OR INFRARED ANALYSIS OF SURFACES AND STRUCTURES

The project entitled “**DESIGN AND DEVELOPMENT OF REMOTELY PILOTED AIRCRAFT SYSTEMS FOR PROFESSIONAL USE IN INSPECTION AND VISUAL AND/OR INFRARED ANALYSIS OF SURFACES AND STRUCTURES**” and with file number **IDI 20150860** has been funded by the CENTRE FOR THE DEVELOPMENT OF INDUSTRIAL TECHNOLOGY (CDTI) and co-funded by the EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF) through the Regional Operational Programme for Smart Growth.

General objective: The objective of the project is to create a new tool for professional use in work/services for inspection and visual and/or infrared analysis of surfaces and structures, thus minimising risks and costs and improving speed and quality in studies and reports.

Main results: The new system runs **automatically and its functional features mean it can:**

- Conduct inspections in difficult to reach places.
- Obtain reliable and secure information in real time.
- Integrate this information into existing management systems.
- Deliver a high quality and comprehensive infrastructure inspection service to maximise the safety of users and minimise associated maintenance costs.
- Anticipate possible future problems: identification of deformations in the road surface.

