

LOTUS I

Low Observable Tactical Unmanned air System

SELECTED PROJECTS -EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME (EDIDP) 2019

CALL TITLE:	Permanent air or space capabilities for Intelligence, Surveillance and Reconnaissance (ISR) and communication, tactical Remotely Piloted Air Systems (RPAS) and sensor suite for integration into air-traffic management
TOPIC TITLE:	Development of a low-observable tactical RPAS with the capability to provide near real time information and with modern self-protection
DURATION OF THE PROJECT:	45 months
TYPE(S) OF ACTIVITIES:	Study; Design; Prototyping; Testing
TOTAL COST:	€ 9,698,195.00
MAXIMUM EU CONTRIBUTION :	€ 8,779,380.00

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
INTRACOM DEFENSE SINGLE MEMBER S.A. (COORDINATOR)	Greece
ARISTOTLE UNIVERSITY OF THESSALONIKI – SPECIAL ACCOUNT FOR RESEARCH FUNDS	Greece
ALTUS LSA COMMERCIAL AND MANUFACTURING S.A.	Greece
CFT CARBON FIBER TECHNOLOGIES P.C.	Greece
UNIVERSITY OF PATRAS	Greece
SIGNAL GENERIX LIMITED	Cyprus
CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD	Cyprus
GEOIMAGING LIMITED	Cyprus
EMBENTION	Spain
RHEA	Netherlands
HELLENIC AIR FORCE TELECOMMUNICATIONS-ELECTRONICS MEANS PLANT	Greece

SHORT DESCRIPTION OF THE PROJECT:

The LOTUS project will address feasibility, detailed design, prototyping and testing of a low-observable, airworthy and interoperable tactical RPAS system, targeted at ISR missions. The development will include: a mothership TRPAS equipped with ISR sensors, designed for low observability and high endurance, incorporating a self-protection system against enemy threats; a system of tube-launched, foldable-wing drones, deployable from the mothership, while this later remains at a safe distance; on-board sensor data processing capabilities for target detection, recognition, identification and classification; and a ground station.

Related PESCO project: Not Applicable