

OPERANT

rOcket dePloyed deEp Reconnaissance ANd Transmission system

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2023

CALL TITLE:

Research actions focused on SMEs and research organisations

TOPIC TITLE:

Non-thematic research actions by SMEs and research organisations

DURATION OF THE PROJECT:

36 months

TYPE(S) OF ACTIVITIES:

Generating knowledge, Integrating knowledge, Studies, Design

ESTIMATED TOTAL COST:

€ 3,999,191.48

MAXIMUM EU CONTRIBUTION :

€ 3,999,191.29



SHORT DESCRIPTION OF THE PROJECT:

The goal of OPERANT is to develop a cost-efficient, enduring, and autonomous distributed acoustic sensing network, providing vital information in adversarial terrains.

OPERANT introduces a cost-efficient, enduring, and autonomous distributed acoustic sensing network, providing vital information in adversarial terrains. The network achieves situational awareness through sensor cooperation, automatically triggering verification measures upon detection. Featuring a generic platform solution with a mobile ad-hoc network (MANet), smart masts, and pan-tilt units for communication, OPERANT enables multi-purpose and multi-mission scenarios with open interfaces.



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**Members of the consortium and
country of establishment:**

 NAME OF THE ENTITY	 COUNTRY
ZIPPERMAST GMBH (Coordinator)	Germany
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
MICROFLOWN AVISA BV	The Netherlands
T-MINUS ENGINEERING BV	The Netherlands
TECHNIKON FORSCHUNGS- UND PLANUNGSGESELLSCHAFT MBH	Austria
UNMANNED TEKNOLOGIES APPLICATIONS SL	Spain

