



**EUROPEAN
UNION**

EUROPEAN DEFENCE FUND



TDRIC

Tactical Drones in Rain and Icing Conditions

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2022

CALL TITLE:

Research actions for SMEs and Research Organisations

TOPIC TITLE:

Non-thematic research actions by SMEs and research organisations

DURATION OF THE PROJECT:

36

TYPE(S) OF ACTIVITIES:

Generating knowledge, Studies, Design

ESTIMATED TOTAL COST:

€ 3,961,963.88

MAXIMUM EU CONTRIBUTION :

€ 3,961,963.88



SHORT DESCRIPTION OF THE PROJECT:

TDRIC will measure the effects of defined rain and icing conditions on Class I UAVs, designing resilient UAVs and advance ground-based climatic test capabilities.

Class I UAVs play a major role in military operations and need to perform in all situations. Little research has been conducted on the operation of Class I UAVs under severe weather conditions. The project TDRIC will determine and quantify the effects of defined rain and icing conditions on Class I UAVs. Then, it will design UAVs resilient to rain and icing conditions, equipped with novel detection and protection technology. Finally, it will further develop ground-based climatic test capabilities.



@defis_eu



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**MEMBERS OF THE CONSORTIUM AND
COUNTRY OF ESTABLISHMENT:**



 NAME OF THE ENTITY	 COUNTRY
Pegasus Research & Development GmbH (Coordinator)	Austria
CEIIA - CENTRO DE ENGENHARIA E DESENVOLVIMENTO (ASSOCIACAO)	Portugal
CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD	Cyprus
DIODON Drone Technology	France
RTA Rail Tec Arsenal Fahrzeugversuchsanlage GmbH	Austria
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