

ZEROWASTE

Zero emissions in a circular military economy: from military individual equipment waste to food and energy

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:

24 months

TYPE(S) OF ACTIVITIES:

Studies, Design

ESTIMATED TOTAL COST:

€ 2,446,840.50

MAXIMUM EU CONTRIBUTION :

€ 2,446,840.50



SHORT DESCRIPTION OF THE PROJECT:

The ZEROWASTE project uses advanced biotechnologies to produce energy and food for military personnel.

The ZEROWASTE project aims to design systems that can be installed in isolated infrastructure or operational fields, ensuring the disposal of individual military equipment, recovering and reusing CO₂ to grow photosynthetic microalgae cells, and producing fresh food and nutraceuticals. Thus, the project also wants to design a modern, sustainable, and clean energy system using wood-based waste materials, transforming wood waste into renewable biofuel (pyrolysis oil) using a thermal process.



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



 NAME OF THE ENTITY	 COUNTRY
AGRICLIMA CONSULTING AB (Coordinator)	Sweden
BTG BIOLIQUIDS B.V.	The Netherlands
CONSORZIO IN.BIO - CONSORZIO PER L'INNOVAZIONE E LA BIOECONOMIA	Italy
FH OO FORSCHUNGS & ENTWICKLUNGS GMBH	Austria
PRINSUS I.K.E. TECHNOVLASTOS	Greece
SOTIRIA TECHNOLOGY MONOPROSOPHI IDIOTIKI KEFALAIOUCHIKI ETAIREIA	Greece
UNIVERSIDADE DO PORTO	Portugal

