

# CAPSARII

Cyber-secure weArable, ultra-low-Power networked SensoRs for solder health monitoring.

## 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:**

Studies, Design

**ESTIMATED TOTAL COST:**

€ 3,036,646.48

**MAXIMUM EU CONTRIBUTION :**

€ 3,036,646.48





## SHORT DESCRIPTION OF THE PROJECT:

The CAPSARII project proposal aims at developing an innovative smart textile/wearable device and related ICT framework

The CAPSARII project proposal aims at developing an innovative smart textile/wearable device and related ICT framework to display raw health data and Machine Learning (ML)-derived insights, designed specifically for military staff, which aligns with the concept of the Internet of Battlefield Things (IoBT), driven by Artificial Intelligence (AI) and edge computing, aiming to transform the monitoring of soldiers' psychophysical conditions and the evaluation of their performance, both in combat and training scenarios, thus allowing for real-time health status assessments through a specialized ML model.

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

 <b>NAME</b> OF THE ENTITY	 <b>COUNTRY</b>
SEA SKY TECHNOLOGIES SRL (Coordinator)	Italy
BORN GMBH KNITWEAR FOR FASHION & ENGINEERING	Germany
IKERLAN S. COOP	Spain
LWT3 S.R.L.	Italy
NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU	Norway
POLITECNICO DI MILANO	Italy
QUAESTA AI S.R.L.	Romania

