

HARVEST

Harnessing Adaptive Renewables: Versatile Energy Supply Technology

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

CALL TITLE:

Disruptive EDF research actions

TOPIC TITLE:

Non-thematic research actions targeting disruptive technologies for defence

DURATION OF THE PROJECT:

36 Months

TYPE(S) OF ACTIVITIES:

Generating knowledge, Studies, Design

ESTIMATED TOTAL COST:

€ 3,966,843.37

MAXIMUM EU CONTRIBUTION :

€ 3,966,843.37



SHORT DESCRIPTION OF THE PROJECT:

The project aims to revolutionise military personnel power management by developing a lightweight, wearable energy system with reduced weight and increased operational duration.

The proposed energy system includes power generation from heat, operator motion, and solar radiation. The system's weight is foreseen to be significantly reduced while its operational duration is increased. Further, the system will include electromagnetic interference (EMI) shielding and nanodrone support for increased situational awareness. HARVEST addresses pressing challenges by integrating cutting-edge technologies to enhance soldier autonomy and reduce logistical burdens.



@defis_eu

#StrongerEurope
#EUDefenceIndustry

© European Union, 2025. Reuse of this document is allowed, provided appropriate credit is given and any changes are indicated.

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

 NAME OF THE ENTITY	 COUNTRY
TEKNOLOGISK INSTITUT (Coordinator)	Denmark
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
NFM TECHNOLOGY AS	Norway
SILMACH	France
TECHNISCHE UNIVERSITEIT DELFT	The Netherlands

