

MaJoR

Maintenance, Joining, and Repair innovation in multidomain defence

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2023

CALL TITLE:**TOPIC TITLE:****DURATION OF THE PROJECT:****TYPE(S) OF ACTIVITIES:****ESTIMATED TOTAL COST:****MAXIMUM EU CONTRIBUTION :**

Development actions on materials and components

Maintenance, joining and repair (cross-border defence innovation network)

42 months

Integrating knowledge, Studies, Design, System prototyping, Testing, Qualification

€ 46,640,824.37

€ 29,999,698.02



SHORT DESCRIPTION OF THE PROJECT:

MaJoR will develop a platform representing the test environment for various technologies to enable and advance joining, maintenance and repair technologies for air, sea and land.

The project will expand the EU defence industry's capability and secure European autonomy through cross-border and multi-domain collaboration. Through the development and application of the technologies, the project aims to bring down assembly cost by 40%, save 20% weight, increase production speed by 30%, accelerate the design process by 30%.



@defis_eu



#StrongerEurope
#EUDefenceIndustry

© European Union, 2024. 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
STICHTING KONINKLIJK NEDERLANDS LUCHT - EN RUIMTEVAARTCENTRUM (Coordinator)	The Netherlands
2MV COMPOSITES B.V.	The Netherlands
AIRBUS DEFENCE AND SPACE GMBH	Germany
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH	Austria
CTC GmbH	Germany
DAMEN SCHELDE NAVAL SHIPBUILDING BV	The Netherlands
DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV	Germany
DNV AS	Norway
FIRECO AS	Norway
FOKKER AEROSTRUCTURES BV	The Netherlands
FORSVARETS FORSKNINGINSTITUTT	Norway
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
GE AVIO SRL	Italy
HOLLAND COMPOSITES BV	The Netherlands
INEGI - INSTITUTO DE CIENCIA E INOVACAO EM ENGENHARIA MECANICA E ENGENHARIA INDUSTRIAL	Portugal

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



 NAME OF THE ENTITY	 COUNTRY
INO GMBH	Austria
IVECO DEFENCE VEHICLES SPA	Italy
KUNGLIGA TEKNISKA HOEGSKOLAN	Sweden
L - UP SAS	France
LIGHT STRUCTURES AS	Norway
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	The Netherlands
NORDMETALL GmbH	Germany
POLITECNICO DI MILANO	Italy
RHEINMETALL PROTECTION SYSTEMS GMBH	Germany
RHEINMETALL WAFFE MUNITION GMBH	Germany
RISE RESEARCH INSTITUTES OF SWEDEN AB	Sweden
RONDAL BV	The Netherlands
SAAB KOCKUMS AKTIEBOLAG	Sweden
SIEC BADAWCZA LUKASIEWICZ - INSTYTUT METALI NIEZELAZNYCH	Poland
SIEC BADAWCZA LUKASIEWICZ-INSTYTUTLOTNICTWA	Poland

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

 NAME OF THE ENTITY	 COUNTRY
SOLICO BV	The Netherlands
UMOE MANDAL AS	Norway
VABO Composites BV	The Netherlands
WSL	Belgium
WEHRWISSENSCHAFTLICHES INSTITUT FÜR WERK- UND BETRIEBSSTOFFE (WIWEB)	Germany



SENTINEL

Sustainable Energy Capabilities for Enhanced Military Camps and Operations

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

CALL TITLE:

Development actions on energy resilience and environmental transition

TOPIC TITLE:

Energy-independent and energy-efficient systems for military camps

DURATION OF THE PROJECT:

48 Months

TYPE(S) OF ACTIVITIES:

Studies, Design, System prototyping, Testing, Qualification

ESTIMATED TOTAL COST:

€ 56,973,692.38

MAXIMUM EU CONTRIBUTION :

€ 39,870,770.75



SHORT DESCRIPTION OF THE PROJECT:

SENTINEL addresses the urgent need to shift military energy provision from a high reliance on fossil fuels toward sustainable, resilient, and efficient energy solutions.

The project aims to enhance the operational efficiency and tactical autonomy of military camps and operations, while reducing logistic burden and supporting a flexible and high-capacity energy supply. SENTINEL will prototype and qualify in operational conditions with armed forces 17 Key Energy Capabilities encompassing advanced energy technologies, enhanced mobility, digital energy solutions, and smart-grid integration, all tested in realistic military scenarios across various climates.



@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
TECES GROZD ZELENIH TEHNOLOGIJ MARIBOR (Coordinator)	Slovenia
AEOLIKI LTD	Cyprus
ARQUUS	France
ATLANTIC ORGANIZATION FOR SECURITY	Belgium
AVL LIST GMBH	Austria
ALPHA INNOVATIONS	Belgium
ARXLIGHT AB	Sweden
COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	France
CS GROUP-FRANCE	France
DATATHINGS SA	Luxembourg
EQUIPOS MOVILES DE CAMPANA ARPA SA	Spain
FORSVARETS FORSKNINGINSTITUTT	Norway
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
G&G PARTNERS SRL	Italy
HYGEAR BV	The Netherlands

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



 NAME OF THE ENTITY	 COUNTRY
HUDSON DYNAMICS B.V.	The Netherlands
INDRA SISTEMAS SA	Spain
INSTITUTO NACIONAL DE TECNICA AEROESPACIAL ESTEBAN TERRADAS	Spain
INSTITUTT FOR ENERGITEKNIKK	Norway
INTRACOM DEFENSE AE	Greece
LEONARDO - SOCIETA PER AZIONI	Italy
MOTOR OIL (HELLAS) DIILISTIRIA KORINTHOU A.E.	Greece
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	The Netherlands
NOVAKAMP	France
NORHYBRID RENEWABLES AS	Norway
ONEDRONE SOBODNE TEHNOLOGIJE DOO	Slovenia
POWERUP FUEL CELLS OU	Estonia
PIXII AS	Norway
RHEINMETALL PROJECT SOLUTIONS GMBH	Germany
ROBOTINA D.O.O., PODJETJE ZA INZ ENIRING, MARKETING, TRGOVINO IN PROIZVODNJO	Slovenia

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

 NAME OF THE ENTITY	 COUNTRY
SIRA SOCIETÀ PER L'INFORMATICA, LA RICERCA E L'AUTOMAZIONE A R.L.	Italy
SMARTIS, INFORMACIJSKI SISTEMI D.O.O.	Slovenia
THALES	France
THALES ESPANA SISTEMAS SA	Spain
UNIVERSITAET DER BUNDESWEHR MUENCHEN	Germany
UNIVERZA V LJUBLJANI	Slovenia
UNIVERZA V MARIBORU	Slovenia
VINCORION POWER SYSTEMS GMBH	Germany
WB ELECTRONICS S.A.	Poland



NEREUS

Naval system of systems and integrated survivability of future EU platforms

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

CALL TITLE:

Development actions on naval combat

TOPIC TITLE:

Functional smart system-of-systems under an integral survivability approach for future naval platforms

DURATION OF THE PROJECT:

42 Months

TYPE(S) OF ACTIVITIES:

Integrating knowledge, Studies, Design, System prototyping, Testing

ESTIMATED TOTAL COST:

€ 64,553,114.63

MAXIMUM EU CONTRIBUTION :

€ 45,000,000.00



SHORT DESCRIPTION OF THE PROJECT:

NEREUS aims to lay the foundation of a smart system of systems for future European naval platforms.

The proposed smart system of systems will operate in a fully integrated way under challenging multi-domain (i.e., land, aerial, surface, subsurface, and cyber) threat conditions and under an integral survivability approach. It will integrate the essential elements of the ship in a coherent manner using a common infrastructure, including data and services, and promoting standardization, interoperability and interchangeability.



@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
NAVANTIA S.A. (Coordinator)	Spain
BALTIJOS PAZANGIU TECHNOLOGIJU INSTITUTAS	Lithuania
BLUE INSIGHT TECHNOLOGIES, UNIPESSOAL LDA	Portugal
CAFA TECH OU	Estonia
CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD	Cyprus
DAMEN SCHELDE NAVAL SHIPBUILDING BV	The Netherlands
DOTOCEAN	Belgium
ESG ELEKTRONIKSYSTEM- UND LOGISTIK GMBH	Germany
ETME PEPPAS & ASSOCIATES SOCIETE ANONYME	Greece
FINCANTIERI SPA	Italy
INDRA SISTEMAS SA	Spain
ISD LYSEIS OLOKRIROMENON SYSTIMATONANONYMOS ETAIREIA	Greece
KONGSBERG DEFENCE & AEROSPACE AS	Norway
LEONARDO - SOCIETA PER AZIONI	Italy
MBDA FRANCE	France

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

 NAME OF THE ENTITY	 COUNTRY
NAVAL GROUP	France
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	The Netherlands
SAAB KOCKUMS AKTIEBOLAG	Sweden
SHIPYARDS AND MARITIME EQUIPMENT ASSOCIATION OF EUROPE	Belgium
SINTEF AS	Norway
TEKEVER UAS, S.A.	Portugal
TERMA AS	Denmark
THALES NEDERLAND BV	The Netherlands
THYSSENKRUPP MARINE SYSTEMS GMBH	Germany

