

Spanish Deep Tech Company Seeking Consortia/Partners for EDF-2024-LS-DA-SME-NT and EDF-2024-LS-RA-SMERO-NT Projects

Summary

Profile type	Company's country	POD reference
Research & Development Request	Spain	RDRES20240719024
Profile status	Type of partnership	Targeted countries
PUBLISHED	Research and development cooperation agreement	• World
Contact Person	Term of validity	Last update
<u>JACOPO CONTAVALLI</u>	19 Jul 2024 19 Jul 2025	19 Jul 2024

General Information

Short summary

A Spanish deep tech SME from Madrid, specializing in virtual reality, robotics, and AI, seeks consortia/partners for EDF-2024-LS-DA-SME-NT and EDF-2024-LS-RA-SMERO-NT projects. Objectives include developing innovative defense technologies for enhanced readiness, safety, and performance. Programme: European Defence Fund. Areas of interest: AI, cybersecurity, advanced sensors, physiological monitoring, human-machine interaction, and blockchain. Partners will engage in R&D, prototyping, and testing

Full description

The company leverages Machine Learning to develop predictive analytics, optimize operational efficiency, and create adaptive intelligent systems. In Deep Learning, they utilize multi-layer neural networks for enhanced human-machine interactions, Explainable AI, Generative AI, Reinforcement Learning, and diffusion models. Additionally, they employ Extended Reality (XR), including Virtual Reality (VR) and Augmented Reality (AR), to develop immersive training programs and enhance user experiences in real-world environments. These capabilities drive the development of cutting-edge defense technologies. T

The R&D project aims to significantly impact society, the market, and the environment by enhancing defense technologies to improve military safety and operational effectiveness, contributing to national and international security. Developing advanced AI, robotics, and sensor technologies will create new market opportunities, fostering economic growth and innovation.

Advantages and innovations

With a strong track record in the defence sector, the company excels in integrating advanced AI, robotics, and sensor technologies to provide unique solutions not available in the market. Their technologies enhance military readiness, safety, and efficiency, and are designed for seamless integration with existing infrastructure. The engineering team, with expertise in Machine Learning, Deep Learning, and Extended Reality (XR), develops intelligent, adaptive systems. The company is committed to cost-effective solutions that leverage civil technologies to reduce development costs and accelerate deployment. Their adaptable technologies ensure compatibility with current defence systems. They are seeking a European consortium submitting a proposal for the topics EDF-2024-LS-DA-SME-NT and EDF-2024-LS-RA-SMERO-NT. The company aims to participate as a coordinator. They are looking for 5-10 partners, including SMEs, universities, research centers, and end-users. A focused approach is preferred to ensure the selection of high-quality partners interested in boosting defense capability development. Key innovations include AI for predictive analytics, advanced robotics for unmanned vehicle integration, deep learning applications, immersive XR training, and sustainable practices in recycling military equipment and safe water reuse.

Technical specification or expertise sought

Stage of development

Available for demonstration

IPR Status

IPR applied but not yet granted

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 3: Good Health and Well-being**

Partner Sought

Expected role of the partner

They are seeking a European consortium submitting a proposal for the topics EDF-2024-LS-DA-SME-NT and EDF-2024-LS-RA-SMERO-NT. The company aims to participate as a coordinator. They are looking for 5-10 partners, including SMEs, universities, research centers, and end-users. A focused approach is preferred to ensure the selection of high-quality partners interested in boosting defense capability development.

Type of partnership

Type and size of the partner

Research and development cooperation agreement

- SME <=10
- Other
- R&D Institution
- SME 50 - 249
- University
- SME 11-49

Call Details

Framework program

Security

Call title and identifier

EDF – European Defence Fund. EDF-2024-LS-DA-SME-NT and EDF-2024-LS-RA-SMERO-NT

Submission and evaluation scheme

Single stage.

Anticipated project budget

Coordinator required

No

Deadline for EoI

1 Oct 2024

Deadline of the call

5 Nov 2024

Project duration in weeks

Web link to the call

https://defence-industry-space.ec.europa.eu/eu-defence-industry/european-defence-fund-edf-official-webpage-european-commission_en

Project title and acronym

Dissemination

Technology keywords

Targeted countries

- **World**

Market keywords

- **01006001 - Defence communications**
- **02007012 - Medical/health software**

Sector groups involved

- **Aerospace and Defence**
- **Health**
- **Digital**