



This project has received funding from the European Union's European Defence Fund - EDF programme under grant agreement No 101121400 [ARMETISS]



## smARt Multifunction tEXtiles for integrated Soldier Systems (ARMETISS)

Under the European Defence Fund (EDF) 2022, the grant for the Development Action call on the topic 'Smart and multifunctional textiles' was signed on 21 June 2024. The awarded project, called ARMETISS, is led by NFM Group (Norway). The consortium encompasses a total of 20 participants from 7 countries. The project, which has a duration of 36 months, will receive an EU grant of roughly €20 million.

| Call EDF-2022-DA-MATCOMP-SMT – Information on the awarded project   |                    |   |  |
|---|--------------------|---|--|
| <b>Name of the project</b>  |                    | smARt Multifunction tEXtiles for integrated Soldier Systems |  |
| <b>Short name</b>   |                    | ARMETISS  |  |
| <b>Summary of the project</b>   |                    |   |  |
| <p>The ARMETISS (smARt Multifunction tEXtiles for integrated Soldier Systems) project will develop a full system of smart clothes and equipment for soldiers, through the study and maturing of most relevant textile-based advanced technologies, and the design and prototyping of a multi-layer and multi-functionalized concept which will integrate these technologies to demonstrate enhanced soldiers' protection, comfort and operational capabilities.</p> <p>Main outcomes of ARMETISS will be:</p> <ol style="list-style-type: none"> <li>1. A comprehensive set of harmonised user system and technical requirements, through a holistic consideration of soldiers' needs and user requirements;</li> <li>2. The definition of the most relevant enabling textile-based technologies;</li> <li>3. The design of a coherent, integrated solution specifically adapted to soldiers' requirements and severe environmental conditions;</li> <li>4. The design and demonstration of a wide range of textile-based functionalized modules, with the integration of several advanced capabilities including thermoregulation, physiological monitoring, wearable human-machine interfaces (HMI), and soldiers' geopositioning;</li> <li>5. The delivery and the testing of a comprehensive set of prototypes, in laboratory and in representative combat conditions.</li> </ol> |                    |   |  |
| <b>Project duration</b>   |                    | 36 months   |  |
| <b>Starting date</b>  |                    | 25 June 2024  |  |
| <b>Maximum foreseen EU Contribution</b>   |                    | € 19,888,086.13   |  |
| <b>List of participants</b>   |                    |   |  |
| #   | Name of the entity | Country   | EU Contribution requested by the entity <sup>1</sup> |
| 1   | NFM Group AS       | Norway  | 1,047,325.00 €                                       |
| 1.1   | NFM Technology     | Norway  | 2,370,707.50 €                                       |
| 1.2   | Hexonia GmbH       | Germany   | 1,061,405.00 €                                       |

<sup>1</sup> The amount of EU contribution as included in the Grant Agreement. Final amounts need to be confirmed at the end of the project.



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|----|--|----------|----------------|
| 2  | RHEINMETALL ELECTRONICS GMBH   | Germany  | 2,238,338.93 € |
| 3  | SAFRAN ELECTRONICS & DEFENSE   | France   | 2,354,631.24 € |
| 4  | ASOCIACION DE INVESTIGACION DE LA INDUSTRIA TEXTIL                                     | Spain    | 476,125.00 €   |
| 5  | APPLYCON s.r.o.  | Czechia  | 601,125.00 €   |
| 6  | CENTRO TECNOLOGICO DAS INDUSTRIAS TEXTIL E DO VESTUARIO DE PORTUGAL                    | Portugal | 669,681.66 €   |
| 7  | CLIM8  | France   | 513,245.67 €   |
| 8  | ECOLE NATIONALE SUPERIEURE ARTS INDUSTRIES TEXTILES                                    | France   | 323,203.68 €   |
| 9  | FORSVARETS FORSKNINGINSTITUTT  | Norway   | 1,877,151.80 € |
| 10 | FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV                     | Germany  | 712,937.83 €   |
| 11 | INEGI - INSTITUTO DE CIENCIA E INOVACAO EM ENGENHARIA MECANICA E ENGENHARIA INDUSTRIAL | Portugal | 236,000.00 €   |
| 12 | Jonathan et Fletcher Développement SARL  | France   | 1,217,588.03 € |
| 13 | LARIMART SPA   | Italy    | 651,643.24 €   |
| 14 | Mokka Software Spółka z ograniczoną odpowiedzialnością                                 | Poland   | 1,285,978.53 € |
| 15 | Rheinmetall Protection Systems GmbH  | Germany  | 1,288,436.22 € |
| 16 | SINTEF AS  | Norway   | 258,186.79 €   |
| 17 | ASSOCIATION TECHTERA AUVERGNE RHÔNE ALPES  | France   | 392,812.50 €   |
| 18 | CHAMATEX SAS   | France   | 311,562.50 €   |