

VESTLIFE

Force Protection and Soldier Systems

PADR Call 2017-FPSS

NAME OF THE PROJECT **Ultralight Modular Bullet Proof Integral Solution for Dismounted Soldier Protection**

SHORT NAME **VESTLIFE**

GRANT AGREEMENT NUMBER **800876**

OBJECTIVE OF THE PROJECT

VESTLIFE aims to develop a new lightweight and modular bulletproof integral solution, which integrates a CBRN detection system. The garments will include the possibility of an increased coverage area whilst maintaining comfort, plus a weight reduction of the ballistic panels, thus ensuring optimum balance between protection and comfort, tailoring such a protective surface to the forecasted risk mission. The project strives towards the development of different types of ballistic protection armour with advanced features in performance. This protection system will consist of different levels, mainly soft armour and hard armour. To find the optimum architecture of materials on the body, an optimum has to be found, based on both the comfort experience and the protective performance. A software model will give insights into this. This model will be used to define clothing architectures, which will be created in the integration step to validate the performance of the clothing

PROJECT DURATION **42 months**

STARTING DATE **1 May 2018**

GRANTED EU CONTRIBUTION **€ 2.433.425,38**

LIST OF PARTICIPANTS

#	NAME OF THE ENTITY	COUNTRY
1	ASOCIACION DE INVESTIGACION DE LA INDUSTRIA TEXTIL	Spain
2	CENTRO TECNOLOGICO DAS INDUSTRIAS TEXTIL E DO VESTUARIO DE PORTUGAL	Portugal
3	BRASSER PAUL	The Netherlands
4	FUNDACION TECNALIA RESEARCH & INNOVATION	Spain
5	PETROCERAMJCS SPA	Italy
6	FY-COMPOSITES OY	Finland