



Ultralight Modular Bullet Proof Integral Solution for Dismounted Soldier Protection (VESTLIFE)



Under the Preparatory Action on Defence Research (PADR), the grant for the Research Action call on the topic of 'Force protection and advanced soldier systems beyond current programmes', subtopic 'Tailor-made blast, ballistic and CBRN protection of military personnel', was concluded. The awarded project, called VESTLIFE, was signed on 27 April 2018. Led by AITEX (Spain), VESTLIFE's consortium encompasses 5 other participants from 5 countries: CITEVE (Portugal), Brapa Consultancy (the Netherlands), TECNALIA (Spain), Petroceramics (Italy) and FY-Composites (Finland). The project, which has a duration of 36 months, will receive an EU grant of roughly €2.43 million.

PADR Call 2017-FPSS-Subtopic b – Information on the awarded project		
Name of the project	Ultralight Modular Bullet Proof Integral Solution for Dismounted Soldier Protection	
Short name	VESTLIFE	
Summary 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	36 months	
Starting date	1 May 2018	
Total EU Contribution requested	€ 2.433.425,38 €	
List of participants		
#	Name of the entity	Country
1	ASOCIACION DE INVESTIGACION DE LA INDUSTRIA TEXTIL (AITEX)	Spain
2	CENTRO TECNOLOGICO DAS INDUSTRIAS TEXTIL E DO VESTUARIO DE PORTUGAL (CITEVE)	Portugal
3	BRASSER PAUL (BRAPA)	The Netherlands
4	FUNDACION TECNALIA RESEARCH & INNOVATION (TECNALIA)	Spain
5	PETROCERAMJCS SPA (PETROCERAMICS)	Italy
6	FY-COMPOSITES OY (FY-COMPOSITES)	Finland