



## 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 had a duration of 42 months, and it received an EU grant of roughly €2.43 million.

PADR Call 2017-FPSS-Subtopic b – Information on the awarded project			
<b>Name of the project</b>		Ultralight Modular Bullet Proof Integral Solution for Dismounted Soldier Protection	
<b>Short name</b>		VESTLIFE	
<b>Summary of the project</b>			
VESTLIFE developed a new lightweight and modular bulletproof integral solution, which integrated a CBRN detection system. The garments introduced the possibility of an increased coverage area whilst maintaining comfort and weight reduction of the ballistic panels. This ensured optimum balance between protection and comfort, and it tailored a protective surface to the forecasted risk. The project developed different types of ballistic protection armour with advanced features. This protection system has different levels, mainly soft armour and hard armour. A software model was developed to find the optimum balance between comfort and protective performance in the design of materials. Clothing architectures were designed to increase comfort when combined with bullet-proof vests.			
<b>Project duration</b>		42 months	
<b>Maximum foreseen EU Contribution</b>		€ 2.433.425,38	
<b>List of participants</b>			
#	Name of the entity	Country	EU Contribution received by the entity
1	ASOCIACION DE INVESTIGACION DE LA INDUSTRIA TEXTIL (AITEX)	Spain	€ 553.000,00
2	CENTRO TECNOLOGICO DAS INDUSTRIAS TEXTIL E DO VESTUARIO DE PORTUGAL (CITEVE)	Portugal	€ 387.825,00
3	BRASSER PAUL (BRAPA)	The Netherlands	€ 254.624,13
4	FUNDACION TECNALIA RESEARCH & INNOVATION (TECNALIA)	Spain	€ 429.976,25
5	PETROCERAMJCS SPA (PETROCERAMICS)	Italy	€ 335.000,00



This project has received funding from the European Union's Preparatory Action for Defence Research - PADR programme under grant agreement No 800876 [VESTLIFE]



6	FY-COMPOSITES OY (FY-COMPOSITES)	Finland	€ 473,000.00
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**Web page:** <http://vestlife-project.eu/>