



## Projectiles for Increased Long-range effects Using electroMagnetic railgun (PILUM)



**PILUM**

Under the Preparatory Action on Defence Research (PADR), the grant for the Research Action call on the topic 'PADR-FDDT-EMERGING-03-2019', subtopic (4) 'Long-range effects' was signed on 30 March 2021. The awarded project, called PILUM, is led by the Institut Franco-Allemand de Recherches de Saint Louis (France). The consortium encompasses a total of 7 participants from 4 countries. The project, which has a duration of 30 months, will receive an EU grant of roughly €1.5 million.

PADR Call FDDT-EMERGING-03-2019 – Information on the awarded project			
Name of the project		Projectiles for Increased Long-range effects Using electroMagnetic railgun	
Short name		PILUM	
Summary of the project			
This project is a feasibility study on the use of the electromagnetic railgun (EMRG) as a long-range artillery system. Due to the significantly higher projectile velocities that can be achieved with an EMRG compared to conventional artillery, strike distances up to 200 km and above can be envisaged. The combination of both the EMRG and novel hypervelocity projectiles results in the disruptive concept of a future complementary artillery system. The project will further examine the possibility of integrating the EMRG into terrestrial and naval platforms.			
Project duration		30 months	
Starting date		01 April 2021	
Maximum foreseen EU Contribution		€ 1.476.622,36	
List of participants			
#	Name of the entity	Country	EU Contribution requested by the entity
1	INSTITUT FRANCO-ALLEMAND DE RECHERCHES DE SAINT LOUIS	France	€ 434.718,14
2	DIEHL DEFENCE GMBH & CO. KG	Germany	€ 290.400,00
3	ERDYN CONSULTANTS	France	€ 64.934,21
4	Explomet Gałka, Szulc Spółka komandytowa	Poland	€ 128.524,84
5	NAVAL GROUP	France	€ 182.606,86
6	NEXTER SYSTEMS	France	€ 302.799,03
7	INSTITUT VON KARMAN DE DYNAMIQUE DES FLUIDES	Belgium	€ 72.639,28