

PILUM | Emerging Game Changers

PADR-FDDT-EMERGING-03-2019 SUBTOPIC – LONG-RANGE EFFECTS

NAME OF THE PROJECT

Projectiles for Increased Long-range effects Using Electro-Magnetic railgun

SHORT NAME

PILUM

GRANT AGREEMENT NUMBER

tbc

OBJECTIVE OF THE PROJECT

Considering trends for enhanced precision and range of ammunition while seeking affordable costs, the electromagnetic railgun (EMRG) is a disruptive technology to launch projectiles over extremely long distance (more than 200 km) and a potential operational game-changer, thanks to electromagnetic acceleration instead of chemical propellants. The project lays the foundation for achieving a full-scale demonstrator by 2028.

PROJECT DURATION

24 months

STARTING DATE

3rd quarter 2020

REQUESTED EU CONTRIBUTION

€ 1,498,822

LIST OF PARTICIPANTS (subject to finalisation of the grant agreement preparation)

#	NAME OF THE ENTITY	COUNTRY
1	INSTITUT FRANCO-ALLEMAND DE RECHERCHES DE SAINT LOUIS	France
2	DIEHL BGT DEFENCE GMBH CO KG	Germany
3	ERDYN CONSULTANTS	France
4	Zaklad Technologii Wysokoenergetycznych Explomet Galka, Szulc Sp.j.	Poland
5	ICAR S.p.A. Industria Condensatori	Italy
6	NAVAL GROUP	France
7	NEXTER SYSTEMS	France
8	INSTITUT VON KARMAN DE DYNAMIQUE DES FLUIDES	Belgium

■ ACADEMIA

■ RESEARCH CENTRE

■ INDUSTRY

■ SME