

MARITIME

(DE) Anti-Torpedo Torpedo (ATT)

(established in May 2023)

For Public Release

PROJECT DESCRIPTION

Naval ships have no protection against attacking torpedoes. So far, only soft kill diversions tools as jammers and decoys are available, with no guarantee that the torpedo falls for this diversion, re-attacks after the jammers and decoys stopped working or home in/under the wake. Therefore, a hard kill system that neutralise the attacking torpedo would be the preferred effector solution, called Anti-Torpedo-Torpedo (ATT), but such a system is not developed to the point of production ready design, yet. Therefore, this project aims to bring a developed ATT demonstrator to the production ready design, with a qualified effector and a proven functional chain.

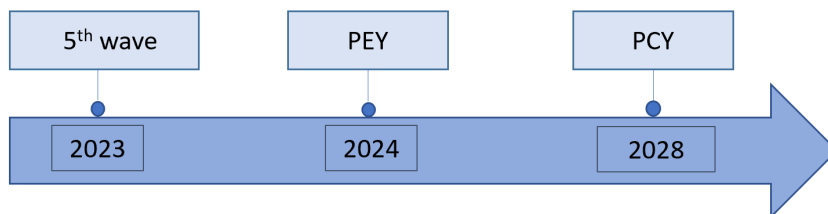
OBJECTIVES/PRODUCTS

The goal of this project is to have a production ready and qualified ATT system that can be integrated into all ships of the project members' fleet. To bring the project to a production ready design the following steps are still outstanding:

- Prove launcher concept.
- Effector qualification and certification according to NATO STANAGs
- Definition of standardized interface from a CMS (combat management system) to the effector
- System integration into a Navy ship, (intended integration into CMS (integration level has to be defined)
- Prove of functional chain from sensor detection, combat system, shot of ATT, detonation ATT up to the neutralisation of the torpedo. (Sea Trials)

INDICATORS

Project Execution Year (PEY) and Project Completion Year (PCY):



DELIVERABLES ACHIEVED

- Proof of concept: Demonstrator system tested (before project launch).
- Terms of Reference (ToR).
- Common requirements (under negotiation).

CRITERIA FOR SUCCESS

- The project will provide for the first time the capability to have a reliable self-protection system against attacking torpedoes. This is a basic requirement for naval forces mission availability and enforceability.
- Missing a reliable anti-torpedo weapon system is a highly recognized gap by EU as well as NATO. The Anti-Torpedo-Torpedo system is expected to overcome this recognized gap and will provide EU and NATO fleet with a protection system against torpedoes for the first time. Which will highly increase the security of our navy ships.



DE, NL



IT, PL, PT, ES, SE

IDEATION
INCUBATION
EXECUTION
CLOSING



Contribution to
the more binding
commitments

Yes



Capability
Perspective

CDP priority
Underwater
Control
Contributing to
Resilience at Sea

CARD references

Ship Protection
Anti-submarine
warfare



Operational
Viewpoint

HICG
Maritime
Interdiction
Operation
Capability



EDA support

Yes



Ad hoc Cat.B
support