

EC  
DI

# EDF EUROGUARD / PESCO M-SASV



**Ats Janno**

Head of project management bureau

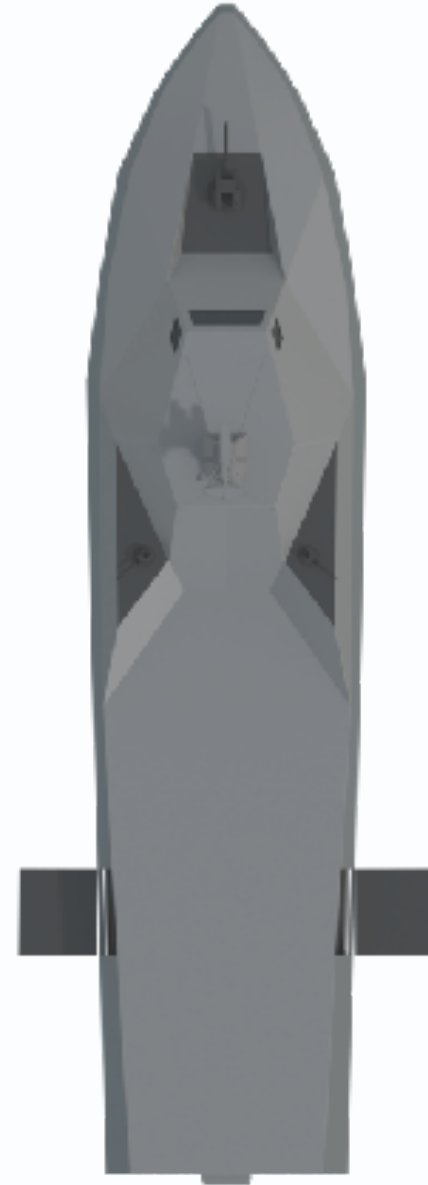
Estonian Center for Defence Investments

22.05.2024

ESTONIAN  
CENTER FOR  
DEFENCE  
INVESTMENT

# TOPICS

- CAPABILITY REQUIREMENTS
- GENERAL OVERVIEW
- PARTICIPANTS
- STATUS / NEXT STEPS
- CHALLENGES



# EUROGUARD / M-SASV CAPABILITY REQUIREMENTS

Signed in NOVEMBER 2022 by



**BELGIUM**



**ESTONIA**



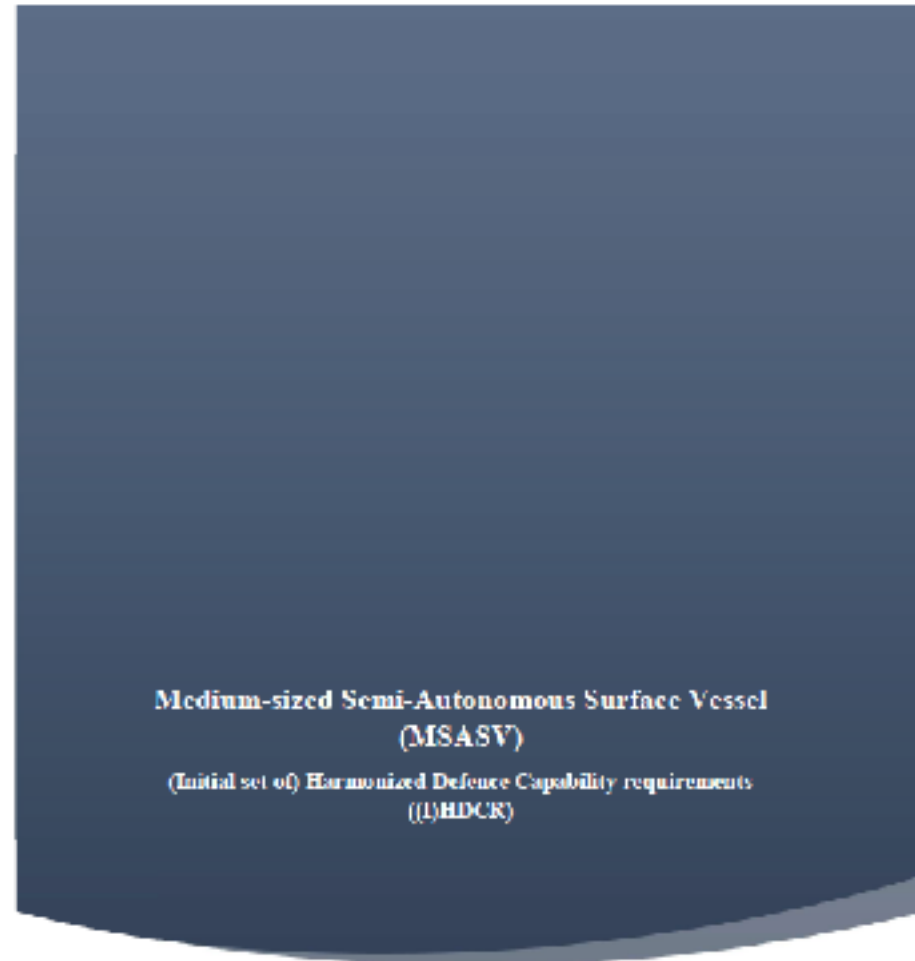
**FRANCE**



**NETHERLANDS**



**NORWAY**



Classification	UNCLASSIFIED
Status	Finalized for the bid
Version	V7

EC  
DI

EUROGUARD / M-SASV

GENERAL OVERVIEW

MEDIUM SIZE SEMI-AUTONOMOUS SURFACE VEHICLE (M-SASV)

EC  
DI



## Permanent Structured Cooperation (PESCO)

Deepen defence cooperation between EU Member States



The project will develop a medium size semi-autonomous surface vehicle with multiple mission modules (e.g., ISR, ASW, ASuW, NMW/NMCM). Manned when must, unmanned when possible, the platform will provide increased operational flexibility and crew protection. While the design focuses on littoral operations, the platform will be also deployable as part of naval task groups

COORDINATION 

MEMBERS



# EUROGUARD / M-SASV GENERAL OVERVIEW



Grant Agreement    DEC23  
Final demonstration    NOV27  
DURATION    4 years  
BUDGET    95 M€, incl.:  
*up to 65 M€ EDF Grant*  
*up to 30 M€ pMS co-*  
*finance*



## **GOAL**

study, design, prototype and test a medium-sized semi-autonomous surface vessel (MSAS) with at least an ISR modular mission payload.

## SCOPE:

CHALLENGE LEVEL 1: Digital and environmental challenges

CHALLENGE LEVEL 2: Confined Littoral operating environment

CHALLENGE LEVEL 3: Modularity and affordability.

## RESULT

**core platform** designed to support unmanned operations with optional **lean manning**, 24/7 littoral operations, **ISR** missions, and providing **versatility** in terms of capability packages at affordable cost.



# END STATE OF THE PROJECT:

- affordable medium-sized naval vessel class for small/medium sized navies
- tailorable open architecture concept
- Modular design
- Unmanned naval operations
- Reduced environmental footprint.

# EUROGUARD / M-SASV

## PARTICIPANTS

EC  
DI



**DENMARK**

SH DEFENSE OMT

**NORWAY**

KONGSBERG

**ESTONIA**

CONSORTIUM COORDINATOR

Baltic Workboats shipyard MARDUK REC-INCLUSTERS

**NETHERLANDS**

DAMEN ADSE

MARIN TUDelft

TNO innovation for life RHEA GROUP

**SWEDEN**

RISE

**BELGIUM**

NAVAL GROUP .Ocean

**POLAND**

CTM PGZ

**SPAIN**

Navantia

**FRANCE**

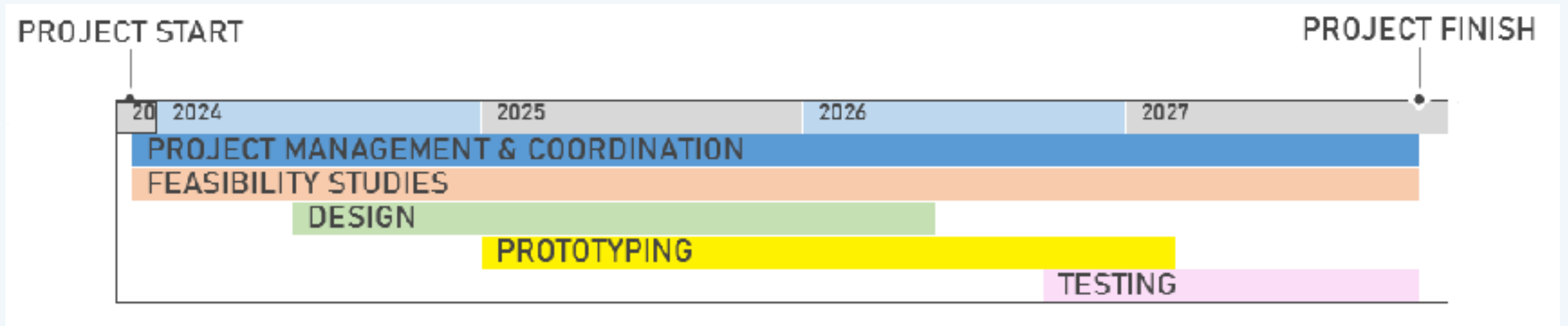
NAVAL GROUP THALES SAFRAN

**ITALY**

LEONARDO ELIAGROUP FINCANTIERI

# EUROGUARD / M-SASV STATUS / NEXT STEPS

EC  
DI



- TIMEFRAME TENSION - PROTOTYPE + GENERYC SYSTEM ARCHITECTURE
- PLATFORM SIZE - MISSION CAPABILITIES ACCOMMODATION
- LEAN MANNING – SUPPORTING THE FUNCTIONING OF PLATFORM
- PLATFORM SELF AWARENESS - SUSTAINABILITY OF THE VESSEL



**QUESTIONS?**

Thank you for your attention!



Ats Janno

Head of project management bureau

Estonian Centre for Defence Investments

RIIGI  
KAITSE-  
INVESTEERINGUTE  
KESKUS