

SEA DEFENCE |

Survivability, Electrification, Automation, Detectability, Enabling Foresight of European Naval Capabilities in Extreme Conditions

SELECTED PROJECTS -EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME (EDIDP) 2019

CALL TITLE: Future naval platforms and related technologies

TOPIC TITLE: N/A

DURATION OF THE PROJECT: 30 months

TYPE(S) OF ACTIVITIES: Study

TOTAL COST: € 15,878,529.24

MAXIMUM EU CONTRIBUTION : € 14,290,676.32

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
DAMEN HOLDING B.V. (COORDINATOR)	Netherlands
FINCANTIERI S.P.A.	Italy
NAVAL GROUP SA	France
NAVANTIA, S.A., S.M.E.	Spain
SAAB KOCKUMS AB	Sweden
SEA EUROPE	Belgium
THYSSENKRUPP MARINE SYSTEMS	Germany
ODENSE MARITIME TECHNOLOGY	Denmark
LÜRSEN DEFENCE	Germany
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK	Netherlands
STICHTING MARITIEM RESEARCH INSTITUUT NETHERLANDS	Netherlands
CENTRO TECNOLÓGICO NAVAL	Spain

SHORT DESCRIPTION OF THE PROJECT:

SEA Defence project will conduct a feasibility study in order to prepare a roadmap of technologies to be included in next generation of naval platforms and pursued in further European development programs. The study will address the following issues: lower detectability; higher survivability against modern surface and subsurface threats including against high-speed threats and swarming threats; reduction of ship motions; improved electric power generation and storage; capability to operate in extreme climates; topside; and increased autonomy and automation. For each area, the state of the art will be mapped and the impact of ship integration on capabilities, budget and interfaces will be assessed. Recommendations will be provided to realize innovations ready for the next generation naval platforms from their design or during their lifetime.

Related PESCO project: Not Applicable