



dTHOR

Digital Ship Structural Health Monitoring

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

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SHORT DESCRIPTION OF THE PROJECT:

dTHOR will develop the next generation of a predictive Ship Structural Health Monitoring system.

The project "Digital Ship Structural Health Monitoring" (dTHOR) will develop a system based on innovative utilization of large amounts of load and response measurements from robust and advanced sensors, a digital framework complying with recognised open standards for data exchange, and hybrid analysis and modelling which combines physics-based and data-driven models. dTHOR will consolidate end-users military operational requirements based on improved battle damage and structural integrity assessment, reduced hydro-acoustic signatures, and more accurate operation of weapon systems.





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MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:



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INTRACOM DEFENSE SINGLE MEMBER S.A.	Greece
JOTNE EPM TECHNOLOGY AS	Norway
LIGHT STRUCTURES AS	Norway
MINISTRY OF DEFENCE	Netherlands
NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS	Greece



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QRELATION MANAGEMENT TEAM GMBH	Germany
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SAES S.M.E	Spain
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SHIPYARDS' AND MARITIME EQUIPMENT ASSOCIATION OF EUROPE	Belgium
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STICHTING KONINKLIJK NEDERLANDS LUCHT- EN RUIMTEVAARTCENTRUM	Netherlands
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TECNICAS Y SERVICIOS DE INGENIERÍA	Spain
TESTIA SAS	France
THYSSENKRUPP MARINE SYSTEMS GMBH	Germany