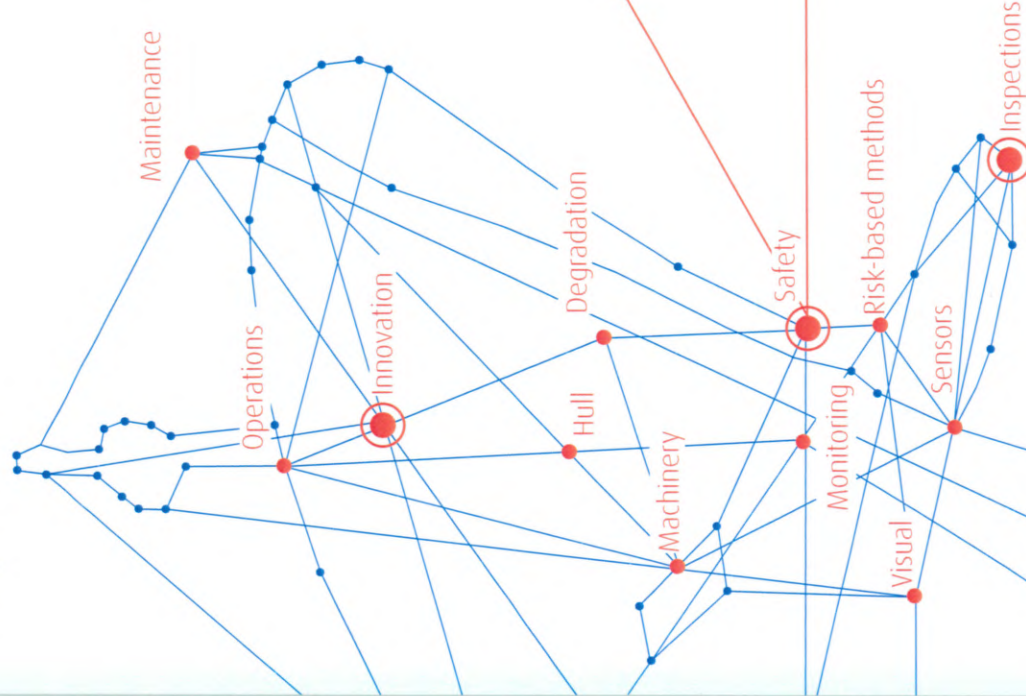
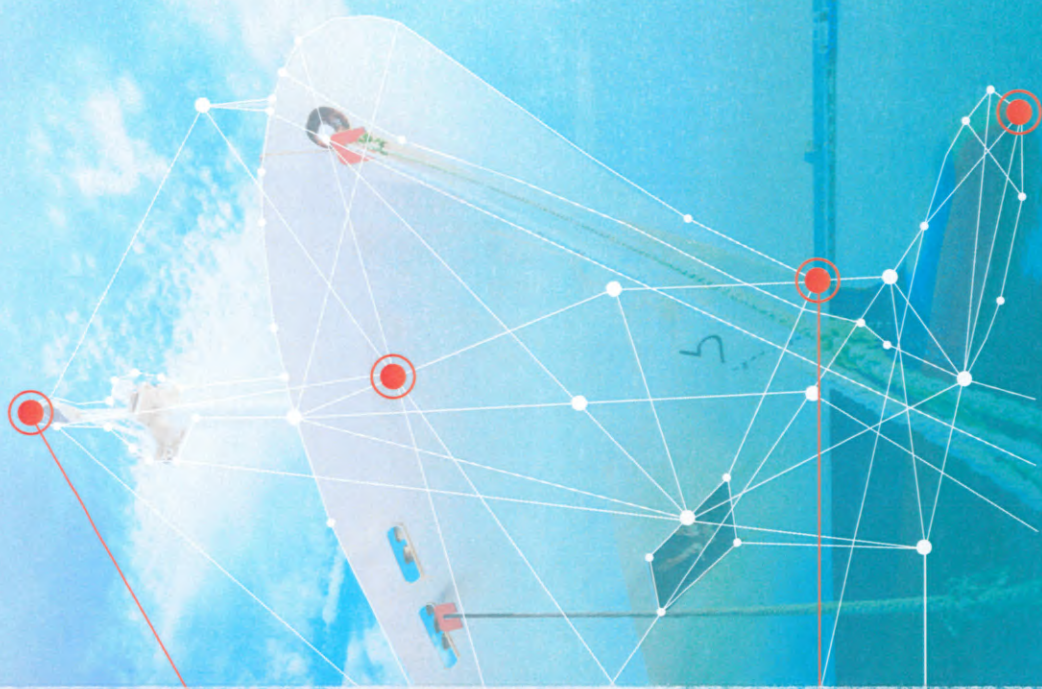


# Increased Safety by Innovating ship Inspections



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Innovative, Risk-based  
 Inspection for a Smarter and  
 Safer Waterborne Industry

"This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 55120134-2".

# About the Project



The project establishes a risk-based ship inspection regime which is supported by sensor-based technologies leading to more standardisation and more effective and cost efficient safety inspections. To guarantee industry relevance and acceptance, project results are validated against the industry's requirements and developed together with our industry partners. Our industry partners are also involved in workshops, via a user group and as facilitators for the demonstrations.

# What we do

The Relentless Oceans



The project promotes proactive safety and develops a unified risk-based framework built upon the analysis of historical data of casualties, near miss cases, deficiencies and non-conformities that are detected by various types of inspections. Based on this framework a software prototype will be developed that enables the interoperability and coherent interpretation of those data sources and can contribute to the early detection of failure, either in the ship structure or its equipment.

# Value Added for the Industry



**Risk-based inspection models.** With risk-based methods ships can be inspected by focusing on sensitive, high-risk areas on board. This approach decreases the time and the number of inspections and enhances their effectiveness and reliability to detect and give advance warning of possible safety shortcomings.

**Sensor-based inspection tools.** For inspecting areas of a vessel that are very hard to reach and where low visibility impedes the detection of failures, sensors are used to do a more reliable job than humans can do.

## WHO WE ARE

We are 9 project partners from 7 countries that are concerned with shipping and ship safety: Glinnt INOV, DNVGL (SE), DNVGL (AS), IHS Global, TNO, Marinek, Technical University Munich, National Technical University of Athens, World Maritime University.



If you are interested to join an industry workshop, please contact [info@safepc.eu](mailto:info@safepc.eu).