HS4U & MOSES Synergy Meeting

WHITE RESEARCH

DATE: 30/10/2023

Funded by the European Union

Funded by the European Union's Horizon Europe Research and Innovation Actions programme under grant agreement No 101069937.

HS4U – Project

Introducing HS4U

- Healthy Ship 4 U (HS4U) is a cross-national 3-year long Research and Innovation Action (01/09/2022-31/08/2025), supported by the European Union within the framework of the Horizon Europe programme
- Multidisciplinary consortium of 22 partners from 8 different countries
- Its aim is to develop and demonstrate holistic ship design solutions that will facilitate the early detection, prevention, and mitigation of general health conditions, pandemic crises and communicable disease outbreaks in large passenger and cruise ships by ensuring healthy ship operations and safe return to port during a health emergency

www.hs4u.eu

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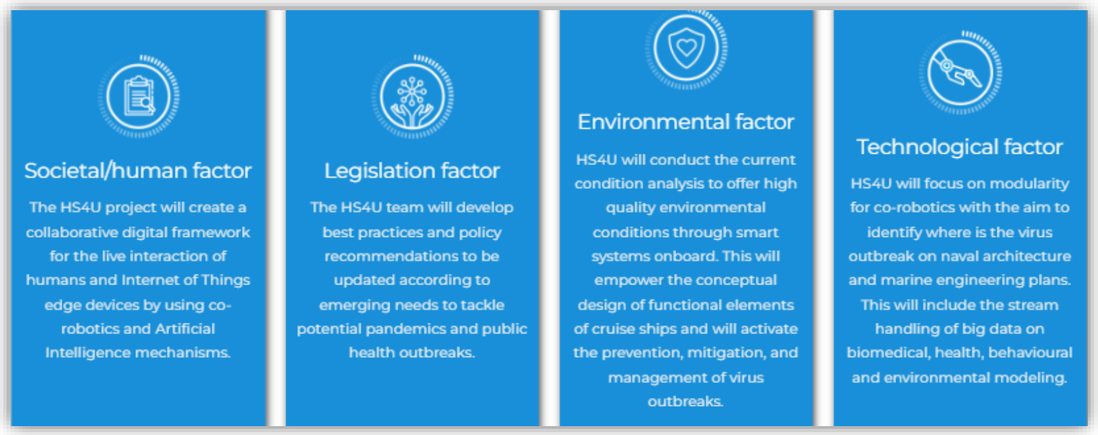
HS4U – Approach: 4 Unique Pillars

Understanding the 4 Unique pillars of HS4U



To tackle this challenge, HS4U is based upon 4 Unique Pillars:

1. Societal/human factor: Creation of a digital framework for human and Internet of Things (IoT) edge devices' live interaction using co-robotics and Artificial Intelligence (AI) mechanisms
2. Legislation factor: Developing best practices & policy recommendations to be updated according to emerging needs in times of health crises
3. Environmental factor: Conducting live condition analysis to offer high-quality environmental conditions through smart systems onboard
4. Technological factor: Focusing on modularity for co-robotics with the aim to identify the specific location of the virus outbreak on naval architecture and marine engineering plans

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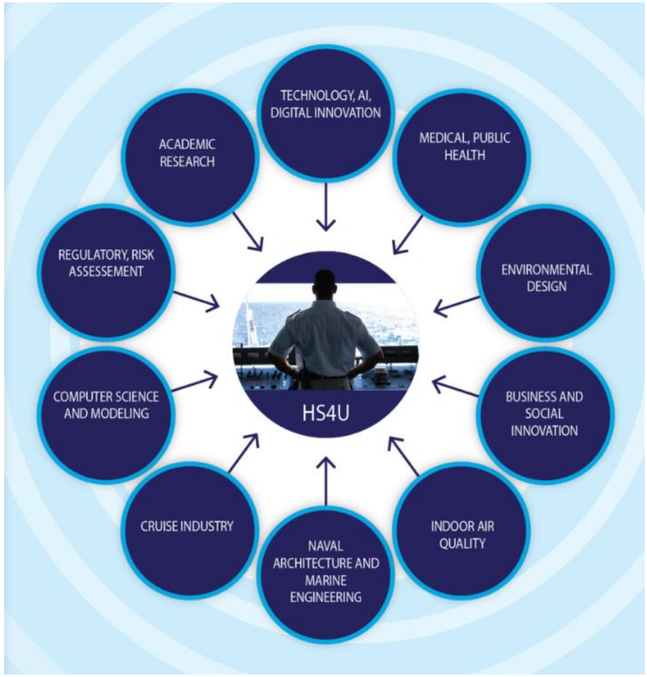
HS4U – Objectives

Main Assets

- Creation of a Collaborative Digital Framework (CDF)
- Development of a Viral Detection Sensor (VDS)
- Complete solutions for the training of ship's crew based on multi-player gaming, embedding realistic role-playing and context
- Development of a real-life demonstrator (robot cabin)



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HS4U - Joint Disseminations Actions

- Mutually reference of our projects on our respective websites;
- Mutually support each other through SMAs (LinkedIn, Facebook, Twitter and YouTube);
- Mutual reference on our next bi-annual Newsletter;

  → May I invite you to subscribe to our newsletter - https://hs4u.eu/;

- Present each project in potential future project events/webinars/workshops or any other event organised by MOSES/HS4U

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HS4U project

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