## Partners

SafePASS consortium, coordinated by the National and Technical University of Athens, brings together 15 partners from the industry, academia and classification societies from all over Europe. They all share the vision of making ship evacuation and abandonment smarter, faster and safer.

Next generation of life SAving appliances and systems for saFE and swift evacuation operations on high capacity PASSenger ships in extreme scenarios and conditions

## We Are Social

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SafePASS Horizon2020

@SafePASS_H2020

SafePASS Project

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SafePASS

## At a Glance

SafePASS is an EU funded H2020 project that is expected to revolutionise the emergency response onboard large passenger ships using 'smart' Personal Safety Equipment (PSE) and novel Life-Saving Appliances (LSAs).

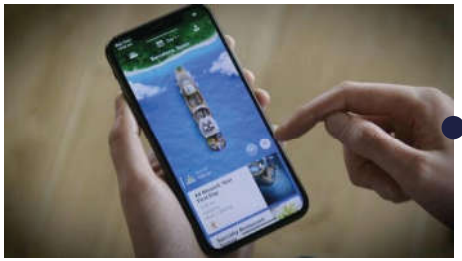
SafePASS is developing an integrated solution that provides personalized evacuation assistance to the passengers, supports decision-making for the crew by enhancing their situational awareness and ability to handle user-friendly equipment, while incorporating fail-safe processes for the evacuation procedure.

SafePASS prototypes will be validated both in the model basins and LSA manufacturers testbeds and then in the real environment of a cruise ship.

The consortium, consists of 15 partners representing all stakeholders and 8 European countries. Academic institutions, classification societies, innovative SMEs, a shipyard, LSA manufacturers, and a cruise operator teamed up in this effort. The project is going to maximise its impact by submitting a set of recommendations to IMO.

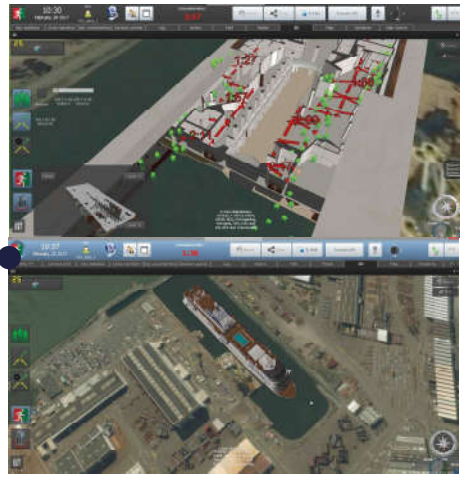
The duration of the project is 3 years extending from September 2019 to August 2022.

## SafePASS Main Outcomes



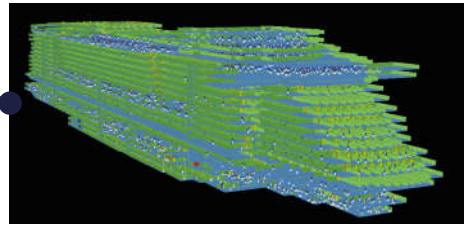
SafePASS smart environment element to offer personalized evacuation route

SafePASS core Platform for location based dynamic evacuation route (LDER)



SafePASS Next Generation Life-Saving Appliances (LSAs)

SafePASS Evacuation Risk Modelling Tool



## Goals and Objectives

The SafePASS solution, will radically redefine the evacuation processes, evacuation systems and equipment, elevate the international standards of safety for passenger ships in all environments by developing a combination of innovative systems that will collectively monitor, process and inform during emergencies both the safety personnel and the passengers for the optimal evacuation routes, coupled with advanced, intuitive and easy-to-use Life-Saving Appliances (LSAs) that go beyond the current state-of- the-art.

The main objectives of the project are to:

- ✓ Develop a comprehensive approach from ALARM to RESCUE, including mustering and abandonment in the corresponding extreme flooding and fire scenarios that will lead to risk estimation and impact of appropriate risk control measures post-flooding or fire emergencies.
- ✓ Design and develop the next generation of LSAs for large capacity passenger vessels.
- ✓ Design and develop advanced evacuation support tools and methods that will radically improve evacuation operations while enhancing situation awareness on-board.
- ✓ Introduce an advanced platform, which addresses the safety needs of passengers during complex evacuation processes by identifying, designating and sustaining a Location-based Dynamic Evacuation Route that adapts according to current and evolving circumstances and guides passengers, while facilitating crew coordination.
- ✓ Provide social- and behavioural-driven solutions compatible with international legislation, standards & regulations (SOLAS, GDPR, etc.) and recommendations for future adoption.
- ✓ Validate and demonstrate the SafePASS developments in a realistic environment.