



Safe and Sustainable Shipping – Every Accident is One Too Many

In safety-critical industries, such as in the maritime domain, accidents are always about failing to manage safety practices.

Safety systems often do not support situational awareness, with seafarers not receiving adequate training. Avoiding accidents, therefore, does not only concern the individual seafarer, but the practices and the culture of the industry as a whole.

At Novia University of Applied Sciences we are experts in maritime operations and safety, constantly developing new, sustainable solutions to improve these areas within the industry. Safety deficiencies have a strong impact regarding the sustainable operation of a ship. Not only can we create solutions that prevent accidents, we can also reduce the environmental impact of shipping at the same time.

Our core expertise

AVOIDING ACCIDENTS

Smart decision and support solutions help to understand complex situations.

MARITIME DATA SOLUTIONS

Our optimisation frameworks enable the optimisation of shipping operations.

SAFE AND SUSTAINABLE PRACTICES

We improve practices through systematic development.

REMOTE AND AUTONOMOUS OPERATIONS

We free humans to focus on the most critical situations.

IN-DEPTH SHIPPING AND LOGISTICS EXPERTISE

We create the solutions and changes that are needed within the industry.

Our prioritised



Open Science



Automation and Maritime Simulation

Our Automation and Maritime Simulation research team consists of multidisciplinary and agile experts. The team combines the operational expertise of the maritime field, a deep understanding of safety and the impact of human factors, with skills that focus on technology, digitalisation, and smart solutions.

We are a part of the Fraunhofer family – the world’s largest applied research community. Through the Fraunhofer Innovation Platform for Smart Shipping, we provide versatile prototyping and testing services for the maritime industry.

Whether you need to enter the industry, explore different options, or to finalise and validate a solution for the market, we can help you!

For further information, please contact Research Manager Mirva Salokorpi mirva.salokorpi@novia.fi



Novia RDI Project Portfolio 2022

- Bioeconomy and Sustainable use of Natural Resources
- Sustainable Energy Technology
- Automation and Maritime Simulation
- Interprofessional Health and Welfare
- Business Development
- Arts, Culture and Entrepreneurship