



# Autonomous and Self-Sailing Solution for Maritime Use



**The system can be installed on all types of vessels, supporting both manned and unmanned operations, such as navigation for smaller ferries or control of survey drones.**

At DanaDynamics we strive to provide innovative solutions that enhance safety, efficiency, and operational capabilities and can adapt to the evolving needs of the maritime industry.

Our state-of-the-art autonomous and self-navigating technology is geared towards smaller coastal vessels and offers numerous benefits for general maritime use. Introducing SKIPPER, our autonomous navigation system designed to assist and enhance your vessel's operation. SKIPPER enables fully autonomous or remote-controlled sailing from land and is designed to reduce dependence on human intervention and improve safety and efficiency in maritime operations. SKIPPER acts as an add-on and integrates with existing nautical systems. The system uses artificial intelligence (AI) trained to recognise maritime objects, providing an additional lookout for the captain..

**Targeted for smaller vessels and unmanned drones.  
Retrofit for existing vessels and on new builds.**

- AI-powered collision avoidance
- Route planning and awareness-assisted navigation
- Integration with vessel control and propulsion system
- Remote vessel and mission control

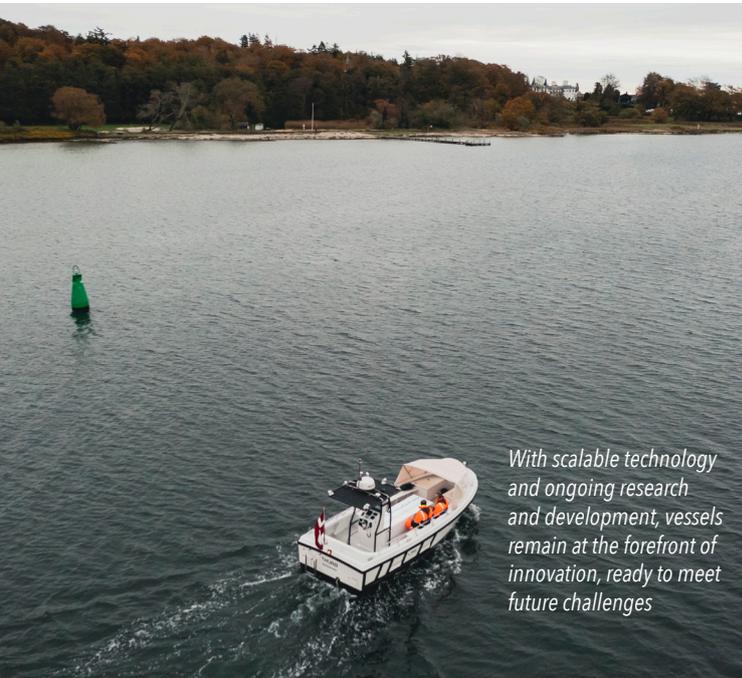
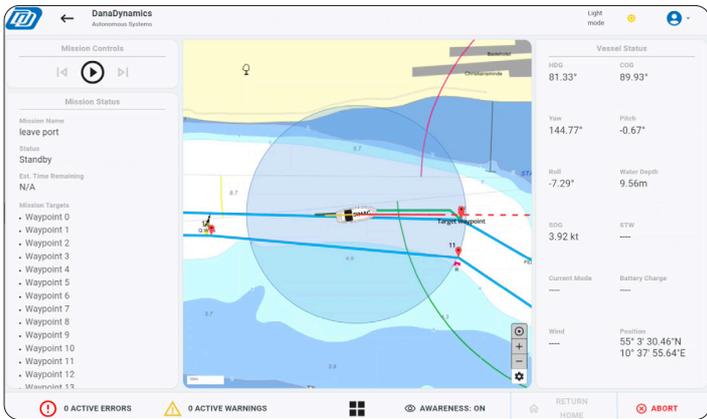
## System Key features:

- Intelligent route planner
- Supporting fully unmanned operations
- Realtime data and visual feedback
- Integrates with existing navigation systems and propulsion
- Intuitive user interface
- Central mission control center
- Data stored locally and in cloud





## SKIPPER enables fully autonomous or remote-controlled sailing from land



*With scalable technology and ongoing research and development, vessels remain at the forefront of innovation, ready to meet future challenges*

## Benefits for General Maritime Use:

### Safety enhancement:

One way to improve safety on board ships is to reduce the risk of navigational mistakes and collisions caused by human error. SKIPPER uses data analysis and advanced algorithms to minimise the need for human intervention. This helps to enhance overall safety by reducing the potential for errors due to factors such as tedium, fatigue, and distraction.

### Improved Operational Ease:

SKIPPER integrates with existing navigation systems, making it easy to implement and operate. Furthermore, the system allows for repeating predefined sailing patterns, making life at sea easier. The system provides real-time data and visual feedback, empowering operators with accurate and up-to-date information for better decision-making and improved situational awareness.

### Enhanced Efficiency:

Shipowners can gain valuable insights into their fleet's sailing patterns and behaviour through access to better and more comprehensive data for further analysis. By utilising this information, they can identify areas where resources can be used more efficiently. For instance, they can correct bad habits and improve work processes. This can result in significant cost savings and be of help in the work of reducing CO2 emissions.

### Environmental Sustainability:

Autonomous technology plays a crucial role in achieving the maritime industry's environmental sustainability objectives. It improves resource utilisation in various areas of operation, and with its scalability, it has the potential to contribute significantly to reducing the industry's CO2 footprint in the long run.

Transform your maritime operations and elevate your vessel's performance with our autonomous and self-sailing technology. Contact us today to learn how SKIPPER can transform your maritime operations and take your vessel's performance to new heights.

Contact us for more info and find the perfect solution for your needs.

# DanaDynamics

DanaDynamics ApS · Abildvej 5E · DK-5700 Svendborg · Denmark · [info@danadynamics.com](mailto:info@danadynamics.com)  
[www.danadynamics.com](http://www.danadynamics.com)

