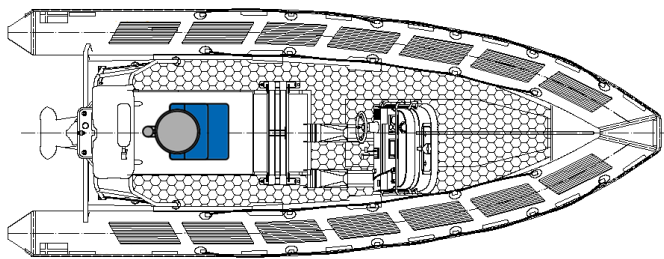
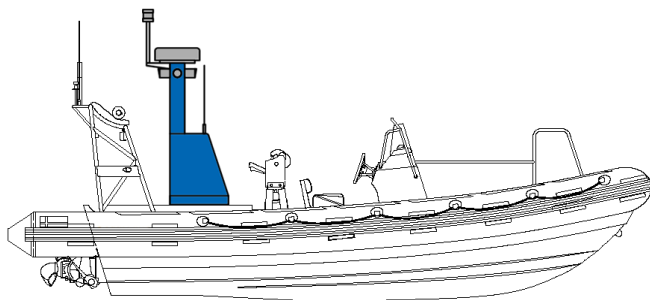




Convert your Vessel to an Autonomous Naval Drone

SKIPPER aims to enhance nautical safety and efficiency by minimizing human intervention.



DanaDynamics is a Danish maritime tech company specializing in developing autonomous navigation systems.

SKIPPER: An Autonomous Navigation System for small to medium size Crafts and RIB Boats

DanaDynamics SKIPPER is an autonomous navigation system that integrates with various nautical systems and can work as an advanced auto-pilot. The system scales toward full autonomy, and when installed on a standard RIB boat, it can transform into an autonomous drone.

Key Features:

- The vessel can safely navigate autonomously on a pre-defined mission without human intervention.
- The system integrates with the existing propulsion system.
- The operator has real-time data and visual feedback from the system via 4/5G or Starlink Sat.
- The operator on land always has the option to take control of the vessel and modify the mission if needed.
- Collision avoidance is achieved using sensor technology and awareness algorithm.
- Navigation data, real-time video, and mission data are transmitted to the operator via a communication module and can also be stored locally on board.

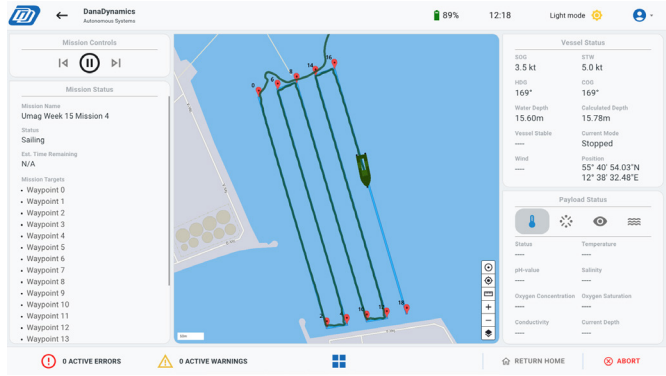
Benefits:

- The add-on-system can be implemented on all types of vessels
- Utilising an existing platform to achieve the benefits of an ASV
- Autonomous operations allow precise repetition of predefined sailing patterns
- A complete turnkey retrofit system or an integrated system for new construction

DanaDynamics

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MISSION OPPORTUNITIES:

SKIPPER can serve as a communication uplink for mission purpose equipment and sensors connected to the system e.g.:

- Mine detection
- Search and rescue operations
- Collection of survey data
- Camera and sensors for surveillance operations

SPECIFICATIONS:

SKIPPER comes in a standard Fibox IP67 that can be installed inside the console of the RIB. The system integrates with radar, camera rig, LIDAR, and antennas for AIS/VHF, GPS, and SAT-COM. The autonomy module can include its own power unit and weighs approximately 100 kg including batteries.

- Footprint: 60cm x 60cm
- Mast
- Lifting eye
- Weight: 100 kg including batteries
- Power supply: Li-Ion 4kWh, 40 kg
- Possibility to connect to an external power supply
- Operating time: 24 hours, depending on power supply and propulsion system
- The system can receive and transmit data using standard network protocols
- The system uses advanced end-to-end data encryption protocols

SKIPPER integrates with selected electric propulsion systems, outboard engines and inboard combustion engines combined with additional actuation units.

GAIN AN ADVANTAGE WITH ADVANCED AUTONOMY:

With a maritime autonomous navigation system, your naval unit can leverage the latest technology and achieve a significant enhancement in the ability to conduct naval missions.

The system enhances safety, improves operational efficiency, and provides a competitive edge in modern automated naval defence missions. By using the existing RIB as an ASV, you reduce the logistic issues with storage, crane capacity and support systems that normally follow an operation with a specialized ASV.

CONTACT US:

Learn more about our naval capabilities, our maritime autonomy system and how it can support and strengthen your missions: <https://danadynamics.com/dana-defence/>



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