



THE MACHINE ODYSSEY WORLD'S FIRST 1,000nm AUTONOMOUS VOYAGE

Join Sea Machines and our intrepid tug *Nellie Bly* as we embark on a remotely commanded autonomous long-distance journey of discovery and demonstration.

The autonomous revolution has taken the 21st century by storm. From our roads to our skies and now the biggest frontier of them all — our seas. Sea Machines is proving that the world's waterways are primed and ready for autonomy, which will retool the world's fleets to operate more safely and seamlessly, and provide our growing global society with greater access to the oceanic 70 percent of the planet. Fall 2021 marks the start of **The Machine Odyssey**, an epic voyage to circumnavigate Denmark with a commercial vessel commanded by marine officers seated in the United States.



SEA MACHINES



Meet the Tech: SM300

The *Nellie Bly* is controlled by Sea Machines' SM300, an autonomy system leveraging cutting-edge Artificial Intelligence, giving the riding crew the ultimate confidence and comfort.

- Route planning and navigation via ENC-based GUI and GNSS localizations
- Dynamic situational awareness with computer vision, radar, AIS, depth transducer, IMUs, audio and streaming video
- Obstacle detection and collision avoidance with dynamic path re-planning
- True redundancy of remote communications with fail-over, long-distance cellular radios



Meet the Crew

The SM300 enables operators to remotely command and monitor multiple autonomous vessels from a shipboard or shore-based center. Our shore-based center is located 3,500 miles away in Boston, Massachusetts. The system is managed by the Sea Machines team, which developed and refined the SM300 to the advanced product it is today.

From the remote command center, marine officers will plan and manage the daily journey, and will monitor and oversee the autonomous operations.

THE ROUTE

1,000 autonomous nautical miles from Hamburg around Denmark, and back

Port stops:

- | | |
|---------------|---------------|
| ● Hamburg* | ● Laesø |
| ● Kiel | ● Skagen |
| ● Troense | ● Hanstholm |
| ● Klintholm | ● Hvide Sande |
| ● Copenhagen* | ● Esbjerg* |
| ● Hundested | ● Heligoland |
| ● Aarhus | ● Cuxhaven |

JOIN THE JOURNEY
at sea-machines.com/Odyssey

