



Nausicaa Bench

ADVANCED SEASICKNESS TRAINING SIMULATOR





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The Nausicaa Bench is a compact, high-fidelity wave simulator designed to train naval personnel to withstand seasickness before deployment.

By combining controlled physical motion with an immersive virtual reality, it exposes users to realistic maritime conditions, delivering a safe, effective and highly realistic training experience.

A FULLY IMMERSIVE TRAINING EXPERIENCE

The system integrates two complementary technologies to reproduce authentic sea sensations:

- A dynamic motion seat,
- A synchronized virtual reality headset, immersing the user in an ultra realistic maritime environment,
- Centralized AEROMARITIME control software for safety and precision.

The dual physical and virtual approach enables progressive and personalised training with protocols adapted to each user. It is particularly suited for civilian and military crews operating in demanding sea conditions.



KEY ADVANTAGES

- Worldwide exclusivity: a one-of-a-kind solution, operational in the Naval Hospital in Brest (France) for many years
- Operational readiness: designed specifically for naval personnel (civil and military)
- Scalable architecture: modular system allowing for the integration of additional sensors or training scenarios
- Proven training effectiveness: enhances both physical tolerance and mental preparedness for maritime operations

TECHNICAL SPECIFICATIONS

- Footprint: 2,5m x 3,5m
- Safety: Infrared safety barrier
- Equipment:
 - 1 training unit with a mobile seat
 - 1 virtual reality workstation with 2 VR headsets
 - 1 mobile control cabinet (42-inch rack)
 - 1 work station with 27-inch display and microphone
- Key functions:
 - Scenario visualization
 - Real-time rendering of the user's VR view
 - Session configuration, monitoring and tracking