



Leading the next wave of ballast water testing

Accelerating ballast water compliance worldwide

Fast-track testing and certification for Ballast Water Management Systems (BWMS)

Clean ballast water, compliant ships

Achieving compliance with ballast water discharge standards remains a complex challenge.

DHI supports system developers **with transparent, science-based testing** and **timely certification**, from lab to full-scale approval — helping you reach the market with confidence.

Working in **close partnership with DNV and the Danish EPA**, we offer a **fast-track certification pathway** under the IMO BWMS Code and U.S. Coast Guard standards.

Our ISO 45001-certified facility and ISO 17025-accredited laboratory in Denmark are continuously upgraded to test next-generation technologies and meet the requirements of the latest revision of the BWMS Code.

LAND-BASED TEST: Land-based tests are performed at flow rates from **200 to 600 m³/h** and by use of **fresh, brackish or marine water**.

We use naturally occurring organisms that to minor extent may be supplemented by cultured organisms.

SHIPBOARD TEST: All analyses in biological efficacy evaluation of ballast water management systems are conducted by DHI.

Shipboard and land-based tests are performed by use of the same *analytical methods*.



DHI's ISO-certified Land-based Test Facility in Denmark.

Your challenge

- Achieving IMO and U.S. Coast Guard compliance
- Performing under challenging-water conditions
- Demonstrating reliability under extended operation period
- Validating filter performance and **System Design Limitations (SDLs)**

Our Solution

- **One-stop provider of all services from proof-of-concept to type approval**
- Land-based and shipboard tests
- Challenging-water and O&M test cycles
- Pilot-scale and laboratory trials
- Biological and chemical analyses
- SDL and filter performance validation
- **Whole Effluent Toxicity (WET) testing for G9**
- Human and environmental risk assessment

Your benefits

- **Faster, coordinated type approval**
- **Confidence through accredited results**
- **Reduced testing uncertainty and delay**
- **Certified compliance under latest BWMS Code**

Our strengths

- **Fast-track partnership with DNV + Danish EPA**
- **Certified ISO 45001 and ISO 17025**
- **Approved by U.S. Coast Guard**
- **Modern facilities in Denmark**
- **Continuous upgrades for next-generation systems**

Contact:

Gitte I. Petersen
Rémi Maguet

gip@dhigroup.com
rgm@dhigroup.com

More information:

aquatech.dhigroup.com

