



BEMA
Ballastwater Equipment Manufacturers' Association

Introduction to the Ballastwater Equipment Manufacturers' Association

Pacific Ballast Water Group

2 April 2019 – Cal Maritime, Vallejo, CA

Presented by: Marcie Merksamer

BEMA Mission

BEMA is an independent, non-profit trade organization representing:

- vendors, suppliers, and key partners in the ballast water treatment industry

BEMA provides coordinated, technical, non-commercial guidance to:

- the ballast water market, the regulating community, ship-owners, and the testing community

BEMA aspires to disseminate accurate information about:

- how ballast water treatment systems work, how they are designed, and what the reasonable expectations are in regard to their performance

BEMA Purpose

The purpose of BEMA is to:

- provide manufacturers and service providers in the ballast water equipment market with leadership and a unified voice;
- promote the application of effective technology in ballast water treatment operations consistent with local, state, federal and international regulations and sound engineering practice;
- work on behalf of its members to serve as a central point for regulatory agencies, the testing community, and general public to obtain technical information on effective ballast water treatment to prevent aquatic invasive species transfer by ships;
- provide the shipping industry with design & operational expertise to balance the numerous perspectives from regulators, ship owner organizations, scientific testing networks, and environmental organizations that influence the requirements that directly impact manufacturers;

BEMA Purpose, continued

- participate at the IMO and represent the industry to advance knowledge about the design, manufacture, installation, maintenance, and long-term functionality of ballast water treatment systems;
- provide and stimulate authoritative organized research, education and information exchange within the industry and with other industries, government bodies and interested organizations;
- mobilize and finance voluntary, staff and professional expertise to provide the required range of service to members; and
- liaise and cooperate with governmental agencies as well as allied trade and professional associations throughout the world.

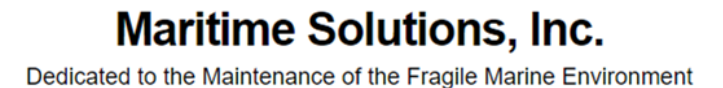
BEMA Members

- As of January 2019 BEMA comprises of 40 Members
- BEMA members represent all major ballast water treatment technology types:
 - Electrochlorination
 - UV
 - Chemical injection
 - Physical / other disinfection methods
- BEMA charter members have at least one BWMS with a valid IMO Type Approval
- BEMA associate members include major component & service providers
- BEMA members are globally positioned:
 - Europe
 - Asia
 - North America

Charter Members



Associate Members



BEMA Leadership

➤ BEMA Board of Directors:

- Mark Riggio – BEMA President (Hyde Marine, UV)
- Efi Tsolaki – BEMA Vice President (ERMA FIRST, electrochlorination)
- Andrew Marshall – BEMA Secretary (Coldharbour Marine, physical/inert gas)
- Birgir Nilsen – BEMA Treasurer (Optimarin, UV)
- Craig Patrick – Board member (Wärtsilä, UV & electrochlorination)
- Steve Candito – Board member (Ecochlor, chemical injection)
- James S. Han – Board member (Panasia, UV)
- Rasmus Folsø – Board member (DESMI OceanGuard, UV)
- Lars Nupnau – Board member (Evoqua, electrochlorination)
- Matthias Voigt – Board Member (Cathelco, UV)
- Marcie Merksamer – BEMA Secretary General (EnviroManagement, Inc., Consultant)

BEMA has equal representation geographically and major technology types

BEMA Leadership

Board of Directors

Planning
Committee

- Initiate studies
- Review annual and long-range plans

External Affairs
Committee

- Represent the interests of BEMA work with:
- external organizations
 - trade associations
 - governmental organizations

Executive
Committee

Manage the
Affairs of BEMA

Finance
Committee

- Annual operating budget
- Periodic financial reports

Membership
Committee

- Applications for membership
- Initiate programs for the development of new members

Technical
Committee

- Neutral technical expertise in regard to BWTS and related issues

Considerations for Non-Operational Systems

- Has the correct technology been selected for the vessel?
- Has the ballast water treatment system (BWTS) been installed correctly, and per OEM specifications?
- Has the BWTS been operated with regularity?
- Has the BWTS been consistently maintained properly, and per the manufacturers' specifications?
- Has the crew been properly trained in BWTS operation? (shared responsibility of ship owner, manufact.)
- Is the crew willing to put forth the effort to understand system functions and establishing proper operational conditions (e.g., valve alignments, pressures, flows, etc.), or do they turn it off at the first sign of a challenge?
- Is the crew supported by ship owner management, encouraging use of the BWTS and ballast water compliance?
- Does the ship owner need assistance in understanding the regulatory requirements applicable to the vessel / routes?
- Is the BWTS manufacturer providing proper service and support?

What can BEMA do for you?

To promote an open and transparent dialogue with stakeholders...

- Opportunity for BEMA to hear from meeting participants:
 - What information do participants need access to?
 - Relevant concerns and topics BEMA may assist with?

How to reach us?

- Contact the Association at Info@BWEMA.org
- Visit our website www.BWEMA.org
- Follow the #BallastGeeks on Twitter for the latest ballast water scuttlebutt, news, and regulatory updates [@BEMAssociation](https://twitter.com/BEMAssociation)



BEMA
Ballastwater Equipment Manufacturers' Association

UNITED WE STAND

THANK YOU!

