BlueZone®

ENVIRONMENTALLY FRIENDLY EASILY INSTALLABLE ECONOMICALLY EFFICIENT BWMS



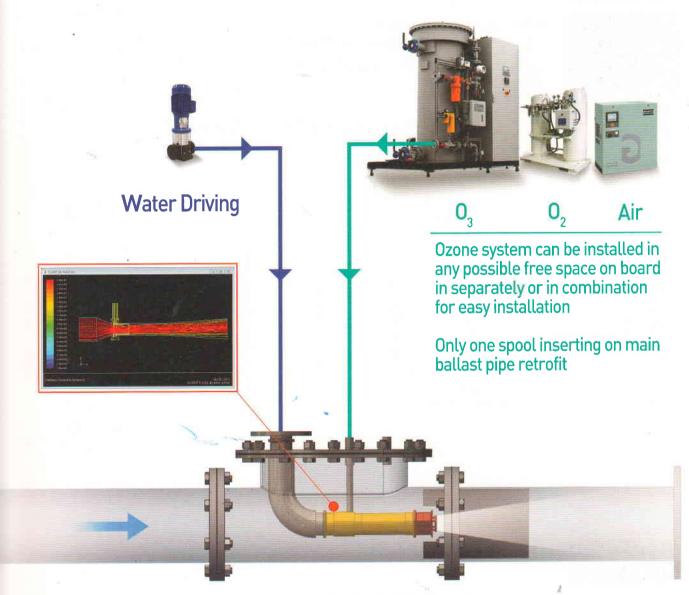


BlueZone®

co-friendly, Easy installable, Economically efficient BWMS

د Overview

• Gaseous ozone to treat a normal ballast load is generated by an ozone generator and is directly connected to the ballast line. Thus, any requirement to store the Active Substance is unnecessary for the BlueZone® BWMS.



Mainstream Ozone Micro Bubble Module

Great Advantage of Micro Ozone bubble

- The ozone micro bubbles have **directly contact** surface with the water and are **highly diffusible** in being evenly spread into the seawater. Thus, it has a uniform and stable effects on disinfection.
- The BlueZone[®] BWMS increases solubility of gaseous ozone and minimizes the amount of ozone gas released from the treated water. By generating micro-sized bubbles from gaseous ozone in the BlueZone[®] BWMS, the residence time of ozone inside the ballast pipe and the ballast tank can be extended

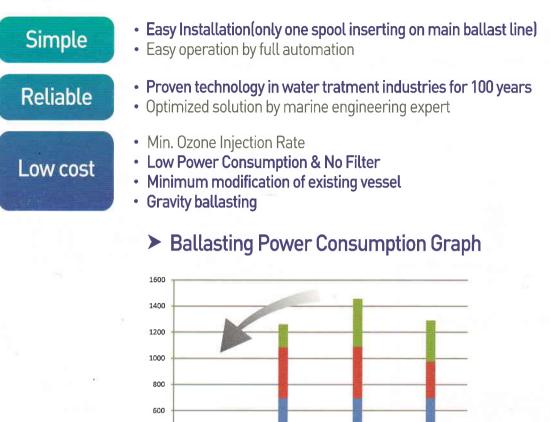


Why BlueZone BWMS?

400 200 0

Ozone

(Gravity ballasting)



BWMS Retrofit

· Provide the retrofit total solutions on a turn-key basis

Electrolysis

UV+Filter

[Based on 3.000 m3 /h x 2 sets]

Additionally Required Power(kW)BWMS Power Consumption

Power for Ballast Pump 2 sets (kW)

Electrolysis + Filter

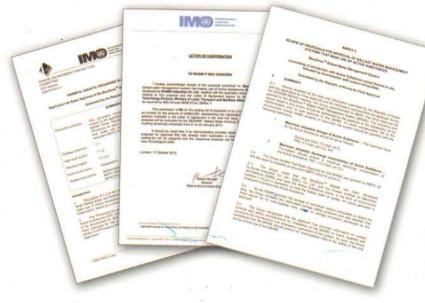


Minimum space for ballast main pipe retrofit

BlueZone BWMS



Approval Status





Basic approval at MEPC 65 (2012) Final approval MEPC 67 (2014)

Lompany Outline



Ship & Marine Technology Engineering, procurement, commissioning, quality management, project management, logistics, bunkering Foundation. 1993 Location. Busan in Korea www.idsec.co.kr | www.youtube.com/dsecwave



A prime manufactaturer & supplier of pre-engineered module unit and marine equipment Foundation. 1986 Location. Busan in Korea www.sunbo.co.kr