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Bawat's cost effective simple ballast water system awarded US Coast Guard Type Approval on top of earlier IMO Code approval.

Danish system maker Bawat awarded Type Approval from US Coast Guard for its BWMS and sets industry benchmark utilising waste-heat for treatment rather than chemicals, filters and UV lamps. And all done in a truly one-pass process.

02.03.2020, Copenhagen, Denmark: One of the easiest to use and cost-effective ballast water treatment systems has been awarded Type Approval by the United States Coast Guard.

The system, from Danish company Bawat, is the only treatment system available to shipowners that relies on heat pasteurisation to kill off potentially dangerous aquatic organisms in ballast water instead of expensive and hard to maintain filters, ultraviolet lights, electrolysis systems or active chemicals.

All ballast water treatment system makers need to get Type Approval to reassure shipowners that vessels have the ability to meet the tough requirements that are in place to try and stop the spread of aquatic invasive species around the world's oceans.

"We are extremely pleased to have been awarded Type Approval by the US Coast Guard which has one of the toughest approval processes," says Marcus Hummer, chief executive, Bawat, adding that this is proof that this unique system using waste heat really works.

"Most shipowners seek cost effective systems that have both the IMO Type Approval and the more stringent US Coast Guard Type Approval to gain the reassurance that the technology works and their vessels can remain compliant of both international as well as local rules. A vessel without US Coast Guard Type Approval, even if not operating in US waters immediately, will certainly lack future flexibility to do so".

The Bawat system was awarded Type Approval according the updated standards set by the International Maritime Organisation in late 2019 making it now one of only a handful that have both approvals.

Unique & cost effective

The Bawat technology is also unique in that there are no filters which need cleaning when clogged, there are no UV bulbs, which can break and often perform badly if the water is turbid and there are no active substances or other chemicals which need to be continually purchased, stored and handled on board.

It is also the only treatment technology that works with only a single straight-forward pass of the ballast water through the system.

For vessels on time sensitive operational profiles this is a winning factor as it gives ship operators flexibility to treat the ballast water when it suits during the vessel's voyage. Other systems on the market require the ballast water to be treated either during loading or discharge, or both, potentially influencing port stay times.

Hummer also points out that the technology is highly cost-effective in that it is designed to use a ship's own waste heat to pasteurise the ballast water rather than rely on vast amounts of electricity to be generated onboard.

"Our system really is unique. It uses excess heat from the ship's engine cooling water or other excess heating sources onboard to create the heat needed to pasteurise the ballast water and kill off anything in it. So, the Bawat system is not only truly green but also offers almost zero operating costs. All other systems require vessels to generate additional power, thus having high operational costs".

Hummer is convinced that the fully type-approved system will be a winner for ships' crews as well as shipowners with not only its ease of use, but its design that uses only tried and tested marine components that shipboard personnel will likely have experience of, making maintenance straight forward.

A final winning factor for Bawat customers is the ease of installation. As shipowners rush to find solutions, competent engineers and even drydock space, a simple to install, compliant, type-approved system with tried and tested components will make this a go-to-choice for many owners and operators.

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About BAWAT:

BAWAT was formed in 2011 as a Danish family led business. It has expanded and recently secured more than DKK20m in additional funding from new and existing shareholders. Main shareholders today include the Hummer family, Selfinvest Family Office, shipping-professional Klaus Nyborg, Danish Pension Fund MP Pension and The Danish Maritime Fund. The company has received financial loan capital from The Danish Green Investment Fund.



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