

BAWAT OFFSHORE - BWMS FOR JACK-UP RIGS

- **NO INSTALLATION COST**
- **NO TREATMENT OF PRE-LOAD WATER**
- **ONE MOBILE BWMS TO SERVICE MULTIPLE RIGS**

BAWAT INTRODUCES THE MOST COST EFFICIENT BWMS FOR RIG OWNERS

According to the Ballast Water Management Convention (BWMC) it is necessary for mobile Offshore Units to clean their ballast water tanks.

Seawater in the Preload tanks or the column stabilizing units “may be discharged, without management, at the same location provided that no mixing with unmanaged seawater and sediments from other areas has occurred” according to BWMC. This means that local water that is used as ballast can be de-ballasted again without treatment.

It is the transit ballast water used during rig move and sediments remaining in the tanks that need to be treated to comply with the BWMC. Most Off-shore Jack-up rigs are also not designed to work well with traditional BWMS, as their tank set-up is designed for drilling operations and not

trim/stability as normal vessels. This gives rig owners a challenge when it comes to selecting a BWMS, as installation becomes cumbersome and expensive. Furthermore rigs change location with low frequency, resulting in a limited need for ballast water treatment. Rig owners are therefore left with expensive system and installations – until now!

BAWAT CONTAINERIZED BWMS

Bawat has in 2020 introduced a containerized and mobile, one-pass BWMS. This enables Jack-up rigs to avoid expensive fixed installations and further, the mobile container enables owners with multiple rigs to service several units with only one Bawat mobile BWMS.

By offering this, Jack-up rig owners will be able to save both on CAPEX and OPEX and adhere to the BWMC without adding permanent space consuming equipment to the Jack-up rig.

BAWAT BWMS TECHNOLOGY

The Bawat BWMS is a One-Pass BWMS. This means that ballast water is treated after passing through the system once - no secondary treatment or use of filter to reach D2 compliance is needed. The ballast water is treated by pasteurization, in this process all foreign species are killed, and the ballast water becomes D2 compliant in a single pass through the BWMS.

NO TREATMENT OF PRE-LOAD WATER

It is stated in the BWMC that local water can be discharged without treatment if not mixed with unmanaged seawater. This means that if the pre-load tanks are clean and have D2 compliant ballast water in them, pre-load water can be ballasted and de-ballasted from these tanks without treatment.

The Bawat BWMS with its one-pass system can prepare tanks in a simple manner to be D2 compliant. Special rules apply for US waters.



NO FIXED BWMS INSTALLATION

The Bawat BWMS is installed in a Standard High Cube container. The BWMS container is deployed to the rig during preparation for demobilization. Several rigs can share the same BWMS container since the BWMS only need to be installed temporarily while treating the ballast water.



CHOICE OF BAWAT BWMS

When rig owners choose a Bawat BWMS they select a robust, easy-to-handle BWMS solution that they can deploy across the globe on all types of off-shore vessels. The ballast water is treated according to the latest standards and the container can be used on any kind of vessel. This unique approach to ballast water treatment aims at keeping the Total Cost of Ownership as low as possible and at the same time making the operational set-up as easy as possible.

	Rig Move	Preload	Preparation to move
Ballast Water	D2 Compliant	Local	Mix (Local + treated)
Ballast Tank	Clean	Non-Compliant	Being cleaned
BWMS	OFF 	OFF 	ON 