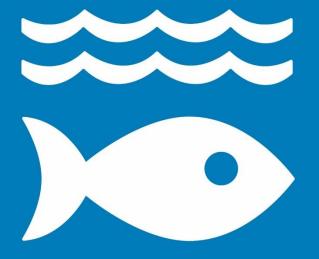


#BWTS #BWMS #installation #projects #2024 #compliance #modern #shipyard #Action #RealAction #lifebelowwater





14 LIFE BELOW WATER



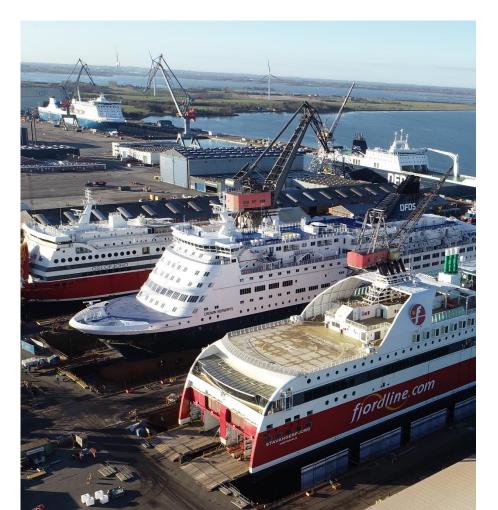
Ballast Water Management Systems

The international Convention for the **Control** and **Management** of Ships' **Ballast Water and Sediments** is in force.

For Implementation in due time, remember the compliance deadline 7. September 2024.

We also carries out System Exchanges to a newer and fully compliant BWMS-version.

QUALITY ON-TIME ALWAYS





Key Facts

- 138 BWTS/BWMS systems commissioned (31DEC2023)
- From 1 x 135m3 to 2 x 3000m3
- Average installation time: 14.8 days
- 39 BWTS/BWMS systems by The DECK HOUSE Solution
- BWTS/BWMS systems in orderbook for 2024
- Private Owned & Private Managed shipyard,
- Founded by the Andersen family in 1916.
- Located centrally in Denmark, Northern Europe.
- Large, modern and efficient repair yard with
 - 4 large dry docks
 - Superior cranes
 - Plenty of quays and workshops to meet any requirements on maritime vessels, jack-ups and semi-submersibles
- 120-130 vessels in for service, yearly average.
- More than 1,275 dockings in present facilities in Munkebo
- Fast and efficient workflow.
- Highly skilled Workforce
- High-Capacity yard
- 10% of our workforce are apprentices by purpose!
- Certified Management Systems: ISO 9001, 14001 & 45001

108 years of being On-Time

The Ballast Water Management Convention

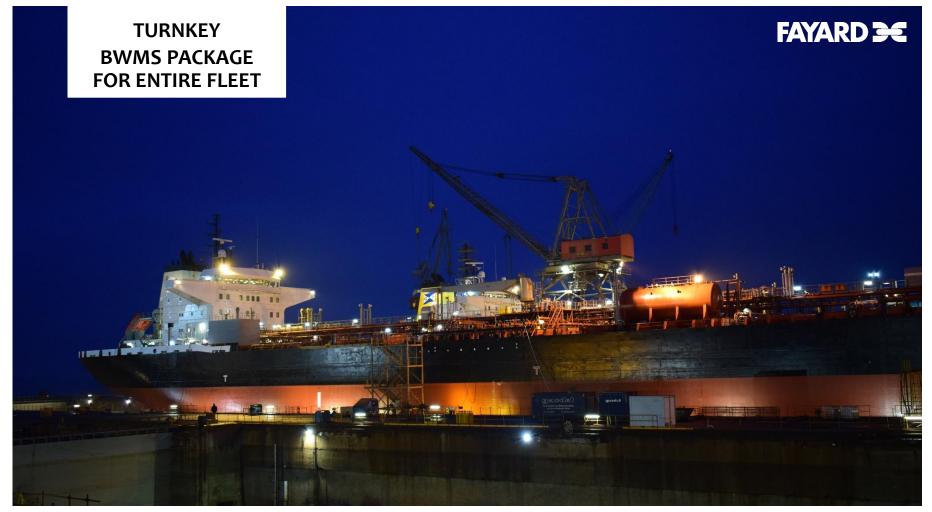
FACT The BWM Convention's milestone for installation is until 7. September 2024.

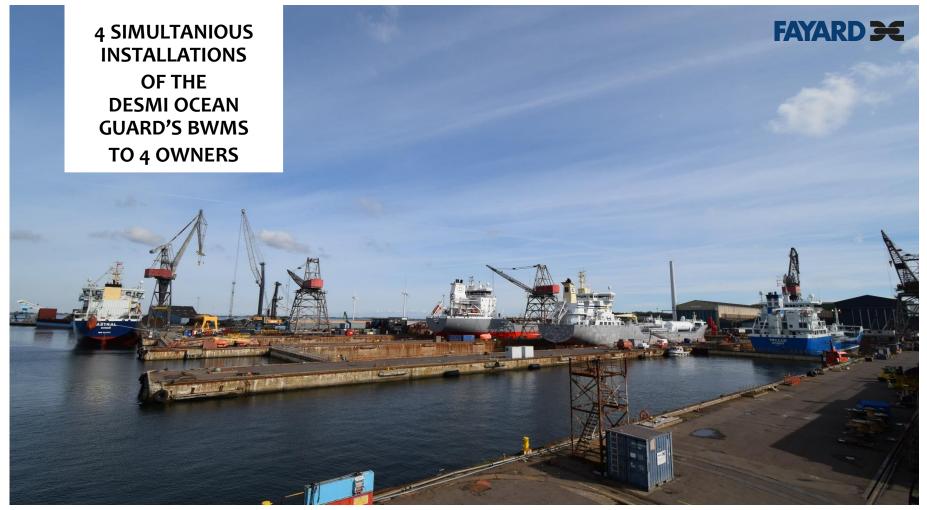
FACT Any vessel carrying out a Special Survey, including IOPP Certificate renewal, is required to install an approved BWTS prior to certificate renewal.

FACT FAYARD offers **Turnkey Retrofit Installations or Exchange** for most types of BWTS/BWMS with strong focus in shortening the vessel out of operation required time for installation of the Owner selected BWTS/BWMS.

Location of the new BWMS in the vessel, and Interfacing to the existing Ballast Water System, are subject to vessel type and construction.

FAYARD HAS THE SOLUTIONS FOR EFFICIENTLY INSTALLING THE BWTS TO CLASS REQUIREMENTS





INSTALLATION OF OWNER'S OWN DEVELOPED BWTS AT FAYARD THE KBAL 2 X 3000M3/HOUR





IMO/USCG/ATEX APPROVED BALLAST WATER TREATMENT DECK HOUSE

Ready for efficient installation:

- Well defined interfaces
- IMO & USCG approved as Deckhouse
- ATEX or Non-ATEX option
- Std. 20' or 40' container footprint:
 20' up to 1000m3 BWT unit/ Module
 40' up to 2000m3 BWT unit/ Module

Engineering:TechConsultProcurementFAYARD A/SConstruction andFAYARD A/SInstallation of BWMSFAYARD A/S

in Deckhouse &

Commissioning: FAYARD A/S Installation in Vessel: Owner's choice







The FAYARD BWTS Deckhouse Solution Offers:

- Compliance to Ballast Water Convention upon redelivery of vessel from yard.
- Vessel operation made free advanced pre-booking of yard.
- Secured on-time-delivery of Commissioned and Class Approved fully equipped BWTS Deckhouse.
- Simplicity and standardization in the interfacing offer shortest possible yard stay.
- Clarity in Roles, Responsibilities and Interfacing.
- Recognized, Proven and Approved Solution.
- Peace in mind in the Dynamic Maritime.







Approvals

IMO USCG ATEX Lloyds Register

Capacity

1000m3

Footprint 20-foot container

Vessel Hafnia Libra

Engineering TechConsult Aps

Construction FAYARD

FAT FAYARD



FAYARD >

Approvals IMO USCG

ATEX

Lloyds Register

Capacity 1000m3

Footprint 20-foot container

Vessel Hafnia Libra

Engineering TechConsult Aps

Construction FAYARD

FAT FAYARD





Approvals

IMO USCG ATEX Lloyds Register

Capacity 1000m3

Footprint 20-foot container

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FAYARD >

ApprovalsIMO/USCG/ATEX
Lloyds Register

Capacity 1000m3

Deckhouse Footprint 20-foot container

Vessel Hafnia Libra

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Construction FAYARD

FAT FAYARD

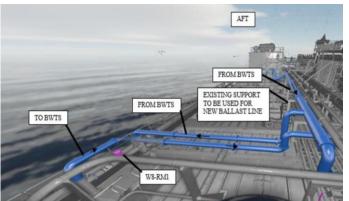
Vessel InstallationBesiktas



How FAYARD handles BWTS projects

... efficiently!









Stolt Lotus:Desmi Ocean Guard Compact Clean 500

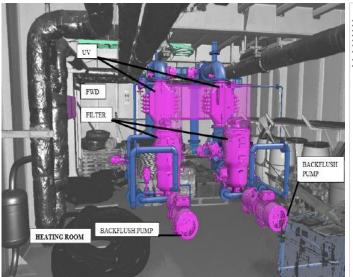
Stolt Nielsen

- Engineering
- Purchase and delivery of BWTS system

Desmi Ocean Guard BWMS – System & Commissioning

FAYARD

- -Mechanical installation
- -Electrical installation
- -Commissioning











Workshop pre-fabrications



Vessel Installation Works

ARCADIA BWTS RETROFIT

Technology: Filter and UV

Flow: 1 x 195m3 + 2 x 1000m3/h

Full Flow: From 42% UV transmittance

Power: 61kW - 2 x 102kW

Temperature: -2c - 40c **Hold time:** 72hrs

ESL Shipping Ltd.

Select & Purchase of BWTS system

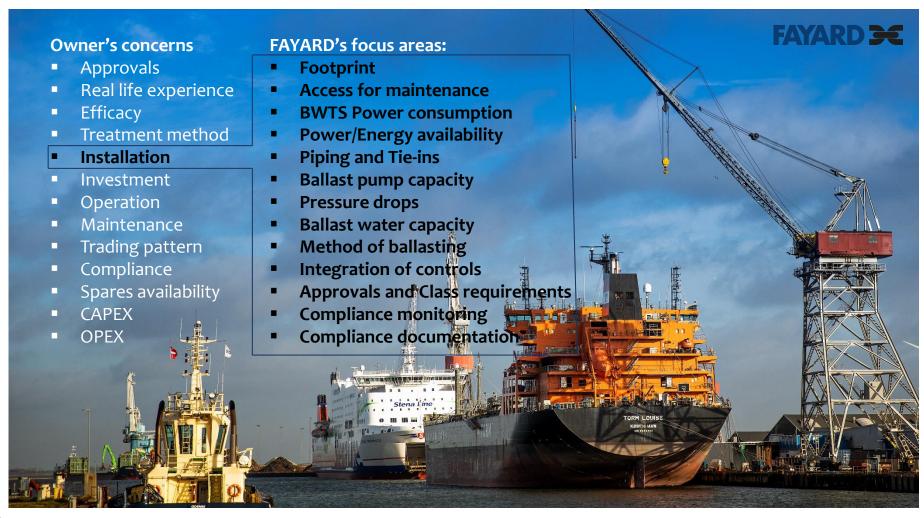
Alfa Laval

BWTS – System & Final Commissioning

FAYARD

- -Turnkey delivery
- -Engineering
- -Mechanical inst.
- -Electrical inst.
- -Commissioning





FAYARD's special focus on adapting to your requirements means that we are able to take on any roles that you would like us to.

We co-operate very efficiently with makers and owners in BWTS projects in order to make a clear split of the work in the project in advance, including the following scopes:

- Engineering
- Procurement
- Construction
- Installation
- Commissioning

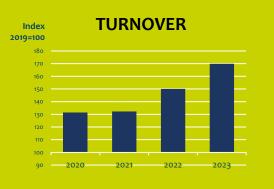
In doing so, we make sure that you will see your vessel handled effectively and that the project progress is fast, and your assets spends the least possible time in yard. FAYARD 🗲

Naturally, quality, safety, and compliance are warranted by our various systems and work ethics.

FAYARD - Trusted to Perform







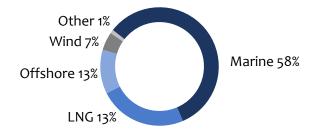
VESSELS PER YEAR (avg.)

2023 DOCK UTILIZATION



THE NUMBERS

SEGMENTS



DELIVERED ON-TIME

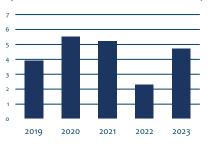


PART OF TURNOVER FROM RETURNING CUSTOMERS



OSHA TRIR (the 200,000 hrs benchmark)

FAYARD 🔾





DOCK AVAILABILITY Meets requested service slot

Quality - On time - Always





Thomas Andersen CEO ta@fayard.dk +45 2073 6000



Kristian E. Andersen 00ka@fayard.dk +45 2161 5536



Jesper Gravesen **QHSE Manager** ig@fayard.dk +45 2161 5535



Ivan S. Larsen CCO Sales & Marketing isl@fayard.dk +45 2161 5522



Lisa Brenneisen Area Sales Manager Central Europe lb@fayard.dk +49 151 6884 3524



Carsten Due Senior Manager Retrofits cd@fayard.dk +45 2161 5520



Peter Krogh Nielsen Sales & Calculation pkn@fayard.dk +45 2161 5538



Michael Sommer Sales & Calculation ms@fayard.dk +45 2161 5578



Kenneth Thomsen Sales & Calculation kt@fayard.dk +45 2565 9145



Søren Skak Pedersen Sales & Calculation (Parttime) ssp@fayard.dk +45 2161 5523



Jon Lohman CTO jl@fayard.dk +45 2161 5521



Kent Gorm Nielsen Project Manager kgn@fayard.dk +45 2161 5571



Henrik Stammer Project Manager hs@fayard.dk +45 2161 5523



Kenneth Clausen Project Manager kc@fayard.dk +45 2161 5534



Thomas Green Hansen Project Manager tgh@fayard.dk +45 2565 9148



Casper K. Sørensen Project Manager cks@fayard.dk +45 2161 5526



Mads Nielsen Project Manager man@fayard.dk +45 2746 9830