

**#BWTS #BWMS #installation #projects # retrofit
#2025 #compliance #modern #shipyard
#Action #RealAction #lifebelowwater**



Ballast Water Management Systems

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

BWTS System Exchange and/or Upgrading of your existing BWMS ?
FAYARD has the competences to secure your compliance.



Key Facts

- 150 BWTS/BWMS systems commissioned
- From 1 x 135m³ to 2 x 3000m³
- Average installation time: 14 days
- 39 BWTS/BWMS systems by The DECK HOUSE Solution

- 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 1,400 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, ISO14001 & ISO45001

109 years of being On-Time

Competent and Efficient Ballast Water Management Retrofits

Per 31. December 2024:

- BWTS/BWMS retrofits at FAYARD 150 units
- Treating capacity in total: 127,343 m³/hour
- Filter & UV: 142 units
- Other process: 8 units
- USCG/ATEX Deckhouse solutions 39 pcs
- Largest capacity for one vessel 6,000 m³/hour
- Smallest Capacity one vessel 50 m³/hour
- Fastest Scrubber retrofit: 8 days
- Average of all 90 scrubber retrofits: 12 days

**BWTS System Exchange and/or Upgrading of
your existing BWMS ?**

**FAYARD has the competences to secure your
compliance.**



**TURNKEY
BWMS PACKAGE
FOR ENTIRE FLEET**

FAYARD 



**4 X BWMS
INSTALLATIONS
FOR 4 X OWNERS:
FAYARD HAS THE
CAPACITY**

FAYARD 



**OWNER DEVELOPED
2 X 3000M³/HOUR
KBAL BWTS
INSTALLED
BY FAYARD**

FAYARD 



IMO/USCG/ATEX APPROVED BALLAST WATER TREATMENT DECK HOUSE

Ready for efficient installation
as we ship it to your vessel
location:

- Well defined interfaces
- IMO & USCG approved as Deckhouse
- ATEX or Non-ATEX option
- Std. 20' or 40' container footprint:

20' up to 1000m³ BWTS
40' up to 2000m³ BWTS



FAYARD

KONECRANES

KONECRANES

4346

100t



FAYARD 

Approvals

IMO
USCG
ATEX
Lloyds Register

Capacity

1000m³

Footprint

20-foot container

Vessel

Hafnia Libra

Engineering

TechConsult Aps

Construction

FAYARD

FAT

FAYARD

BWTS DECKHOUSE CASE STORY

FAYARD 





The FAYARD BWTS Deckhouse Solution Offers:

- Compliance to Ballast Water Convention upon redelivery of vessel from yard.
- Vessel operation released from early prebooking 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.

BWTS DECKHOUSE CASE STORY



Truck ready for departure to yard/port anywhere.
Height in transport package allows to pass under all major bridges in Europe

Approvals

IMO
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Lloyds Register

Capacity

1000m³

Footprint

20-foot container

Vessel

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FAYARD

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FAYARD



BWTS DECKHOUSE CASE STORY



Approvals
IMO/USCG/ATEX
Lloyds Register

Capacity
1000m³

Deckhouse Footprint
20-foot container

Vessel
Hafnia Libra

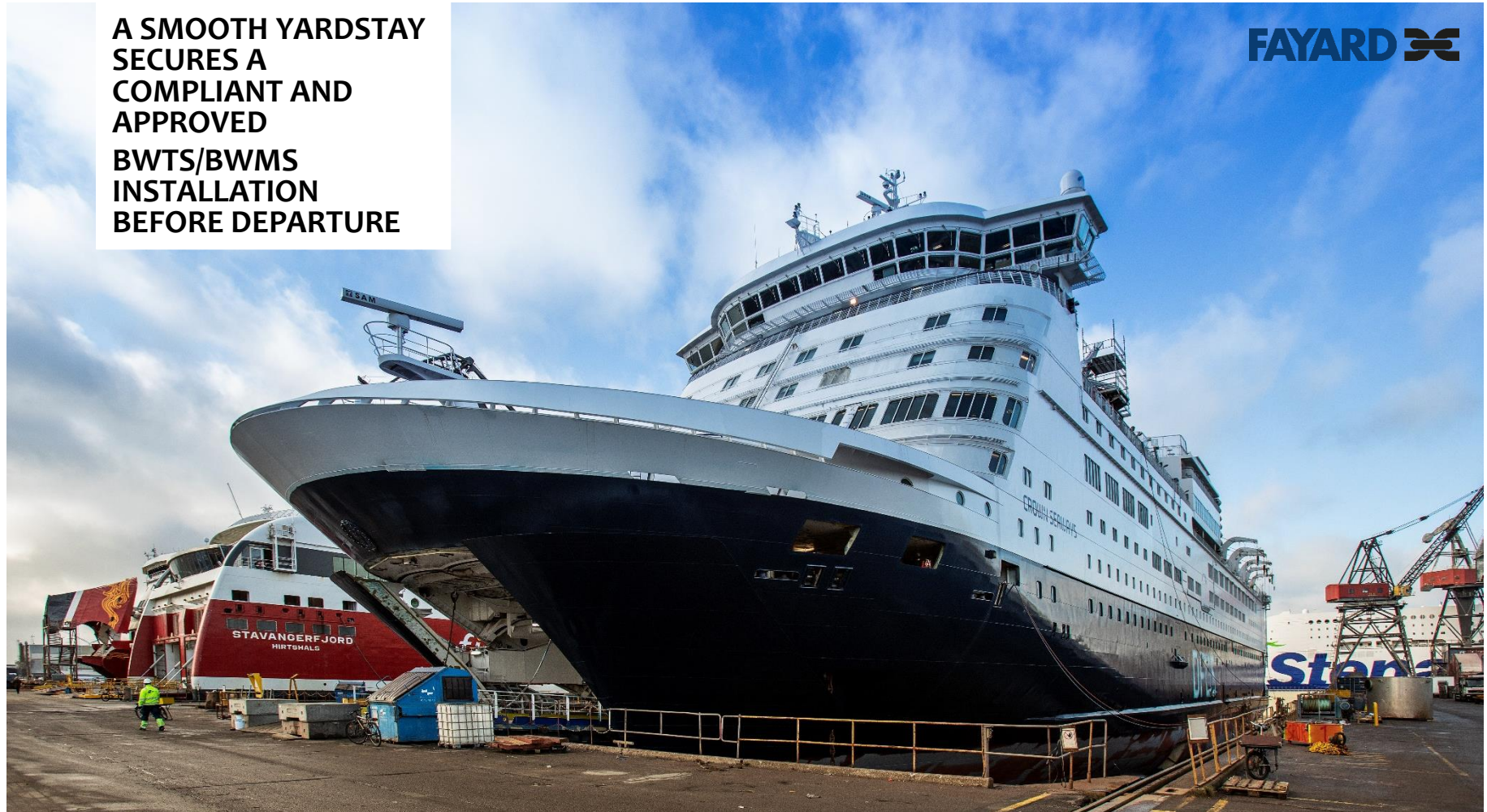
Engineering
TechConsult Aps

Construction
FAYARD

FAT
FAYARD

Vessel Installation
Besiktas

**A SMOOTH YARDSTAY
SECURES A
COMPLIANT AND
APPROVED
BWTS/BWMS
INSTALLATION
BEFORE DEPARTURE**



Owner's concerns

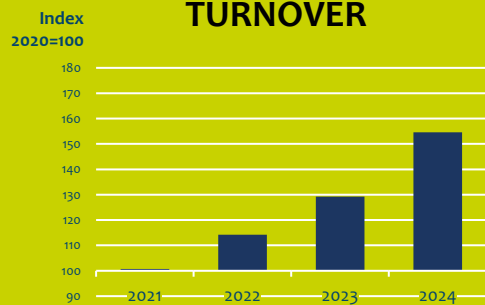
- Approvals
- Real life experience
- Efficacy
- Treatment method
- **Installation**
- Investment
- Operation
- Maintenance
- Trading pattern
- Compliance
- Spares availability
- CAPEX
- OPEX

FAYARD's focus areas:

- **Footprint**
- **Access for maintenance**
- **BWTS Power consumption**
- **Power/Energy availability**
- **Piping and Tie-ins**
- **Ballast pump capacity**
- **Pressure drops**
- **Ballast water capacity**
- **Method of ballasting**
- **Integration of controls**
- **Approvals and Class requirements**
- **Compliance monitoring**
- **Compliance documentation**



THE NUMBERS



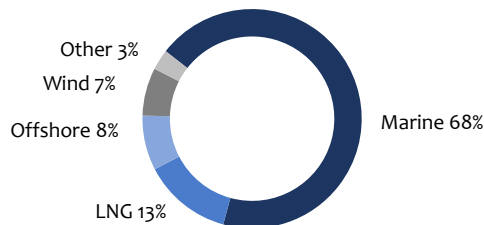
VESSELS PER YEAR (avg.)

122

2024 DOCK UTILIZATION



SEGMENTS



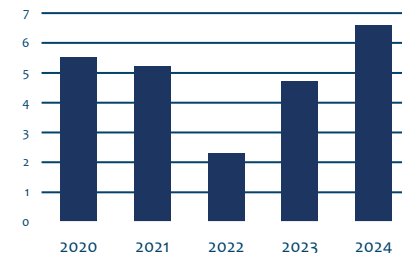
DELIVERED ON-TIME

100%

**PART OF TURNOVER
FROM RETURNING CUSTOMERS**

96%

OSHA TRIR
(the 200,000 hrs benchmark)



**AVERAGE
WORKING
HOURS
PER YEAR**



DOCK AVAILABILITY
Meets requested service slot

97%

Quality - On time - Always



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



Morten M. Pedersen
Vice-CEO
mmp@fayard.dk
+45 2161 5530



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



Jesper Gravesen
QHSE Manager
jg@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/retired)
ssp@fayard.dk
+45 2161 5523



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



Kent Gorm Nielsen
Project Manager
kg@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 G. Hansen
Project Manager
tgh@fayard.dk
+45 2565 9148



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



Benjamin Sørensen
Project Manager
blsj@fayard.dk
+45 27601153