

#smooth #yardstays

#2024 #ontimedeliveries #modern #shipyard

#Action

#RealAction



Smooth Yard stays

Smooth yard stays are an everyday experience at FAYARD.

It is the handling of any asset, by handling dockings, conversions and retrofit projects with makers, contractors, owners and class.

Basically, it is like a 3D puzzle, where time, material, and staff all come together in a perfect plan that is constantly adapted to current events to minimize the vessels time out of operation.

We have a 108 year long track record for teaming up with major makers for servicing and maintenance of state-of-the-art systems and equipment, and with more than 1,200 dockings recent decade, we know what it takes to get your vessel swiftly back in operation.

We use a documented model for preparing and conducting projects with many players involved.

And when it comes to execution of projects, nothing replaces the constant and non-compromising attention to detail that our project managers and leadership have, and the unmatched mentality of providing quality that all staff hold.

Overlooking the 165,000 sqm is not an easy task, but the fact that 87% of our projects are for returning customers tell us that we conduct our projects the right way, why we confidently can state:

**Quality – On-time – Always,
when at FAYARD**

An aerial photograph of a large industrial shipyard. In the foreground, a green and red LNG carrier named 'EVERGAS' is docked. Behind it, a large blue and white ferry with 'DFDS' branding is docked. The yard is filled with various pieces of equipment, cranes, and storage areas. In the background, a large body of water is visible with several wind turbines on the distant shore under a cloudy sky.

**REPAIR
CONVERSION
REBUILD
RETROFIT
EFFICIENCY UPGRADES
OFFSHORE
DECOMMISSIONING & RECYCLING**

Dry Docks up to 335m x 90m

FAYARD's special focus on smooth yard stays means that we are able to take on any roles that you would like us to and perform it effectively.

We co-operate very efficiently with makers and owners in any projects in order to make clear interfaces 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.

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

FAYARD – Trusted to Perform



REPAIR

Our facilities and highly skilled staff enable us to repair any kind of damage.

We have gained our reputation through short lead times for repair projects, excellent quality and a minimum of docking time.

As with all other work at FAYARD, each project is assigned a dedicated project manager ensuring excellent communication and delivery within the agreed schedule.

CONVERSION

We have the resources and the capacity to do all imaginable conversions, whether it is conversions into cable laying vessels, lengthening of vessels, additional accommodation projects or conversions of rigs and jack-ups. Typically, we combine conversions with up-grades of various systems in order to optimize operation of the vessel, e.g., bulb ex-change.

REBUILD

We also have great experience with life-time extensions and are able to carry out the most challenging and extensive rebuilding projects within short and fixed delivery schedules while our high quality is maintained.

RETROFIT

We are specialised in retrofitting ballast water treatment systems (BWTS), scrubbers/ Selective Catalytic Reduction (SCR) systems and Engine LNG conversions. Retrofits of bulb, propeller and rudder system to ensure operational efficiency, and reduce consumption/emission, as well as retrofitting for compliance.

The unique key to successful installation is preparation of all interfaces and dependencies throughout the supply chain from engineering/design over maker's timely delivery, installation, logistics to class approval capacity. Thousands of vessels require BWTS retrofit in coming years - get peace of mind by teaming up with makers and FAYARD.

OFFSHORE

We handle renewal surveys, special periodic surveys, upgrades and other work on rigs efficiently and in a safe and speedy manner. Our HSEQ set-up dedicated to safety, includes a second to none work permit system, developed specifically to offshore requirements.



DECOMMISSIONING AND SHIP RECYCLING

Our facilities offer well located large-scale decom-missioning facilities for vessels, wind turbines, off-shore oil & gas structures & platforms. Our com-prehensive, professional setup including pollutant handling is adapted at The European List of Recycling facilities pursuant to the EU Regulation No. 1257/2013 in force.

CERTIFIED MANAGEMENT SYSTEM

Bureau Veritas Certification

Fayard A/S
Kystvejen 100, 5330 Munkkebo, Denmark

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015
Scope of certification

Docking and repair of ships and floating units.

Original cycle start date: 08-03-2012
Expiry Date of Previous Cycle: NA
Certification/Recertification Audit Date: NA
Certification / Recertification cycle start date: 08-03-2021
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 07-03-2024

Certificate No.: DK013874 Version: 1 Issue Date: 17-02-2021

Phil Absalona

Certification Body Address: 5th Floor, 65 Princes Street, London, E1 6HG, United Kingdom
Local Office: Bureau Veritas Certification Denmark A/S, Olsenborggade 25-31, 7000 Fredericia

UKAS 0008

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call +45 77 31 1000

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9001:2015

Bureau Veritas Certification

Fayard A/S
Kystvejen 100, 5330 Munkkebo, Denmark

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015
Scope of certification

Docking and repair of ships and floating units.

Original cycle start date: 01-05-2017
Expiry date of previous cycle: NA
Certification / Recertification Audit date: NA
Certification / Recertification cycle start date: 01-09-2023
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 30-04-2026

Certificate No.: DK016696 Rev: 1 Issue date: 19-04-2023

Phil Absalona

Certification Body Address: 5th Floor, 65 Princes Street, London, E1 6HG, United Kingdom
Local Office: Bureau Veritas Certification Denmark A/S, Olsenborggade 25-31, 7000 Fredericia

UKAS 0008

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call +45 77 31 1000

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14001:2015

Bureau Veritas Certification

Fayard A/S
P-no. 100710770, Kystvejen 100, 5330 Munkkebo, Denmark

Bureau Veritas Certification Denmark A/S certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below

Standard
ISO 45001:2018
Executive Order No. 1409 / 2020
Scope of certification

Docking and repair of ships and floating units.

Original Cycle Start Date: 13-06-2023
Expiry date of previous cycle: NA
Certification/Recertification Audit date: NA
Certification/Recertification cycle start date: 13-06-2023
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 12-06-2026

Certificate No.: DK016932 Version: 1 Issue Date: 13-06-2023

Phil Absalona

Certification Office: Bureau Veritas Certification Denmark A/S Olsenborggade 25-31, 7000 Fredericia, Denmark

Further clarifications regarding the scope of this certificate and the applicability of the Management System requirements may be obtained by contacting the organization. To check this certificate validity please call +45 77 31 1000

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45001:2018

**THE RIGHT
FACILITIES ARE
THE BASIS OF
A SMOOTH
YARDSTAY**

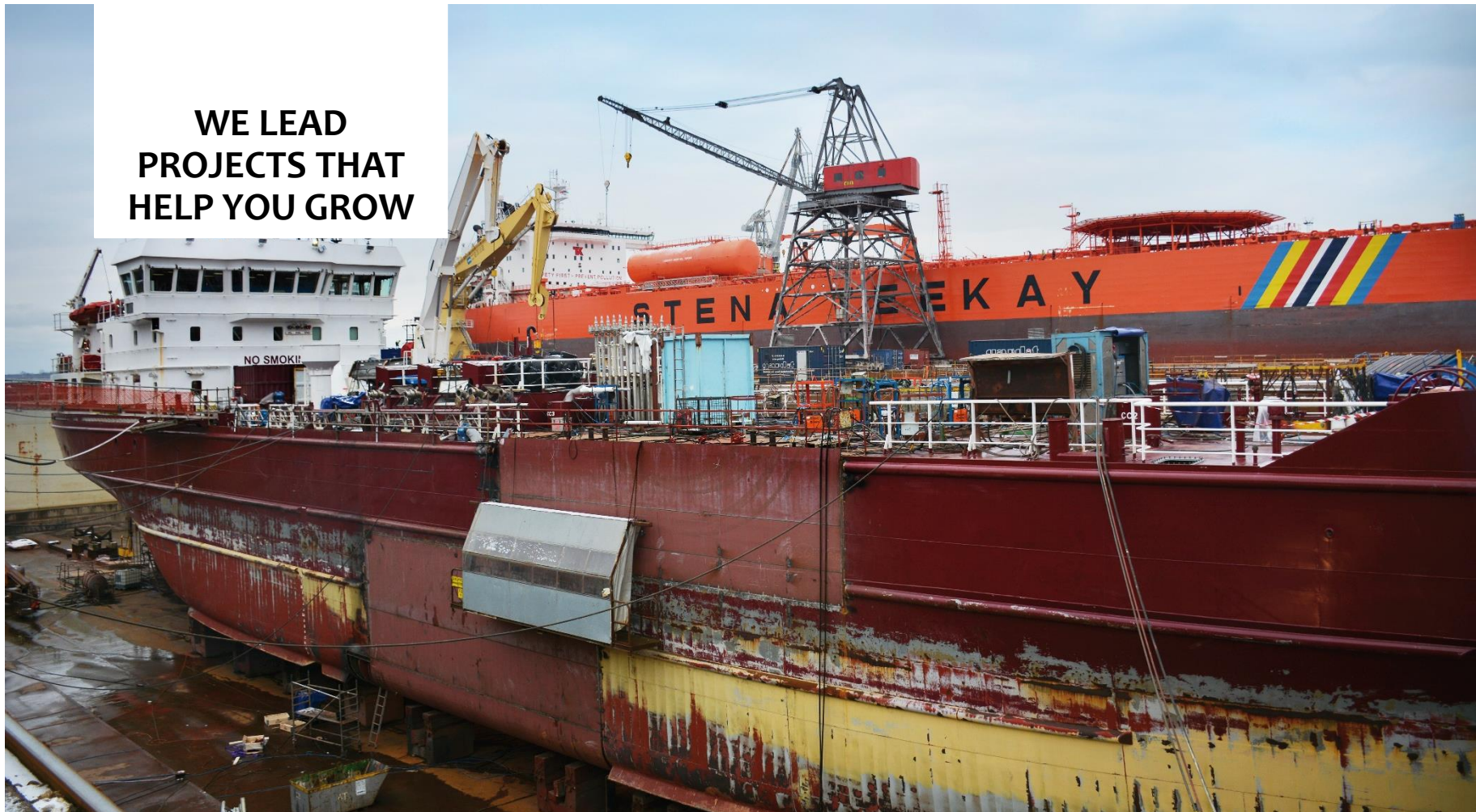
FAYARD 



**TRUSTED TO
PERFORM ANY
TYPE OF PROJECT
FOR 108 YEARS**



**WE LEAD
PROJECTS THAT
HELP YOU GROW**





FAYARD 

EPIC

QUALITY
ON-TIME
ALWAYS

- How do you want your project structured?
- Who should be responsible for which scopes?
- What are the key performance parameters?

As owner these are the most important questions to ask, when deciding how and where you want to run your project.

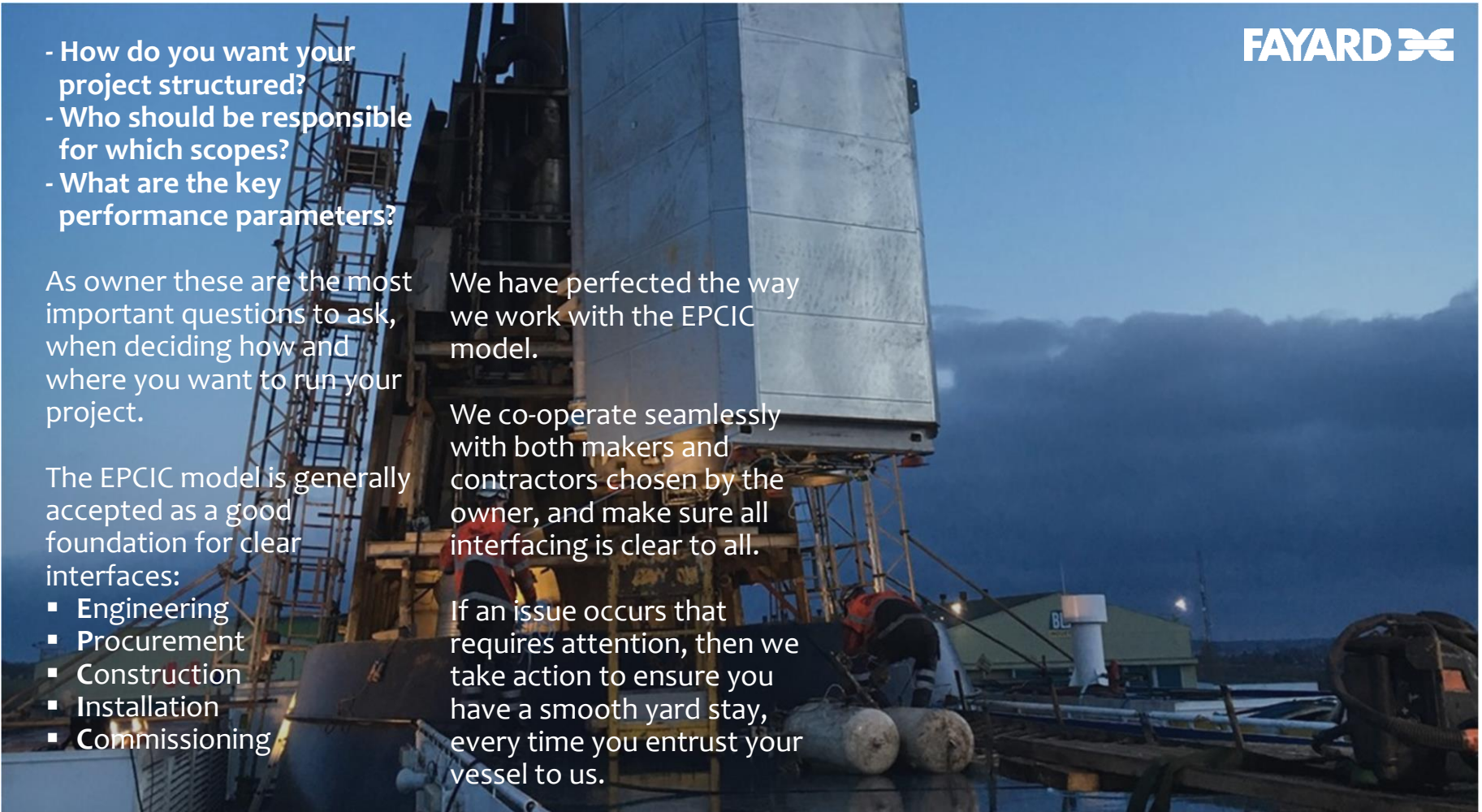
The EPCIC model is generally accepted as a good foundation for clear interfaces:

- Engineering
- Procurement
- Construction
- Installation
- Commissioning

We have perfected the way we work with the EPCIC model.

We co-operate seamlessly with both makers and contractors chosen by the owner, and make sure all interfacing is clear to all.

If an issue occurs that requires attention, then we take action to ensure you have a smooth yard stay, every time you entrust your vessel to us.



Turnkey Solution or Individual Contracts?

OWNER

System

Installation

Teaming Up the efficient way

MAKER

EPCiC
System

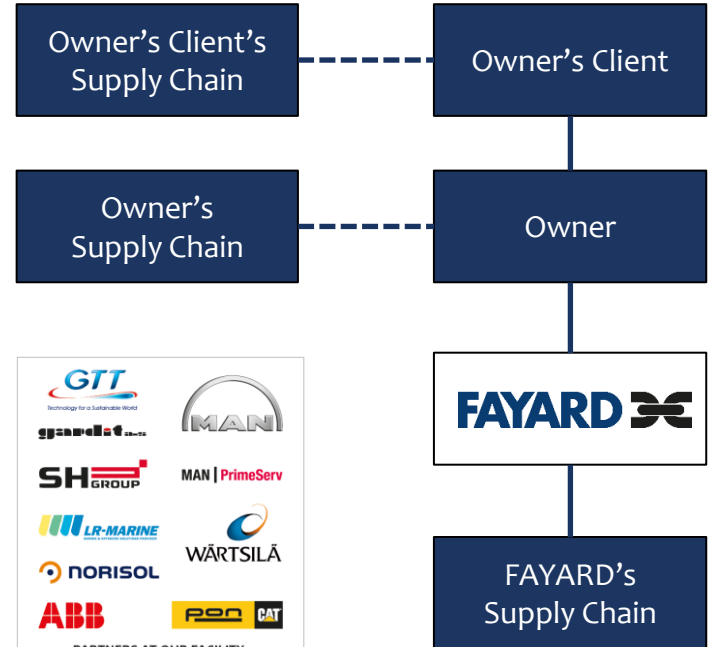
FAYARD

epCIC
Interface Vessel

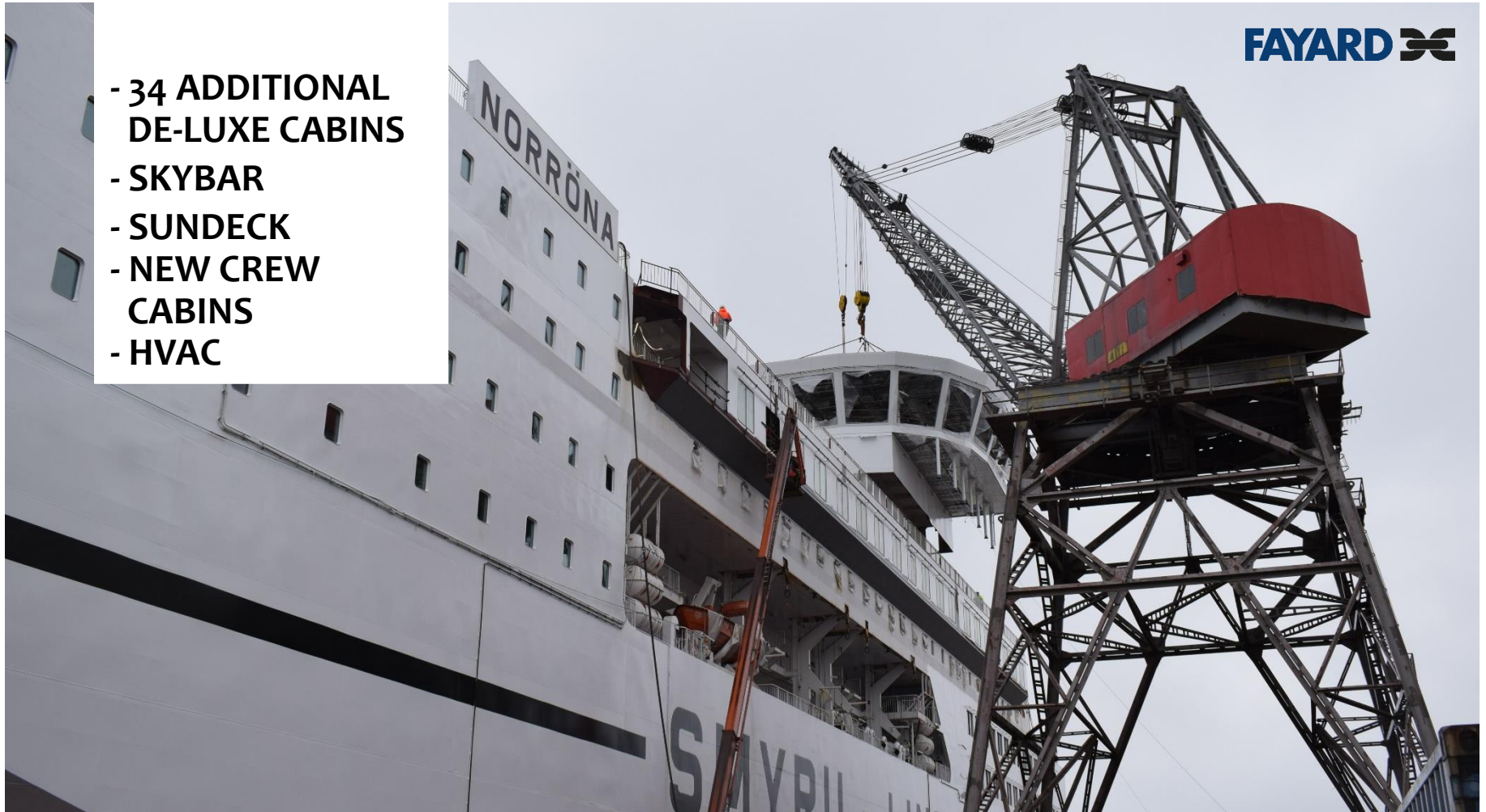


FAYARD dedications

- Compliance
- Supportive Flexible Business Model
- Efficient Management Systems
- Stakeholder Management

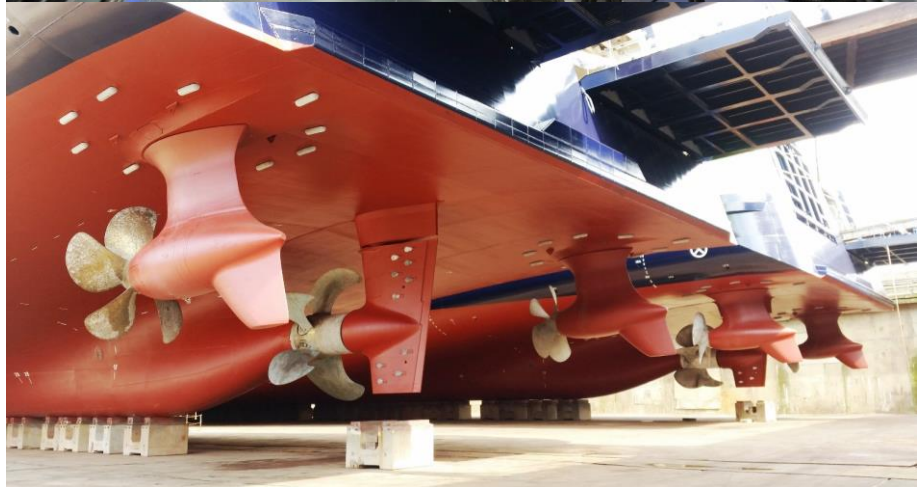


- 34 ADDITIONAL DE-LUXE CABINS
- SKYBAR
- SUNDECK
- NEW CREW CABINS
- HVAC



**SUBSTANTIAL
REBUILD OF ALL
ABOVE CAR DECK.
COMPLIANCE-
RETROFITS
COMMISSIONING
OF ALL
EQUIPMENT.**





Electrical – Electrical Propulsion

HYBRID Options

- Diesel - Emission controlled by closed loop Scrubbers
- Diesel – Electrical - Emission controlled by closed loop Scrubbers
- Electrical – Electrical - Zero Emission from the propulsion

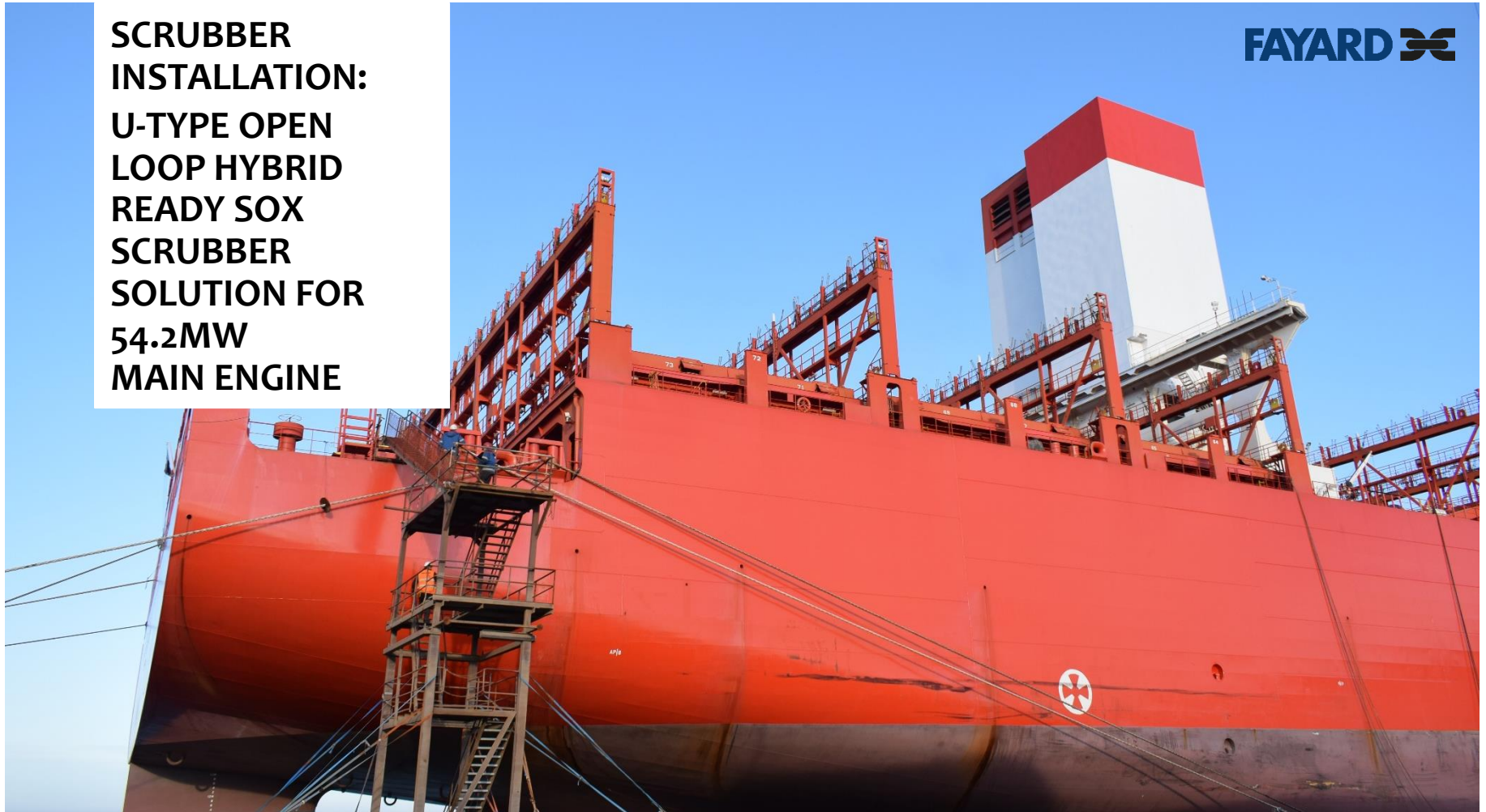
Scandlines is the first ferry operator in the world introducing a large scale **hybrid system**, which can store excess energy in batteries on board (**Energy Storage System**).

Scandlines' visions of sustainable ferry services go even further. The ambition of the green strategy is ultimately zero emission; that is, a propulsion system for the ferries without any emissions.

A key goal is to optimize the fuel consumption of the two new ships for Rostock-Gedser – and to comply with applicable environmental requirements.

This is done by Scandlines' award-winning hybrid propulsion system and by exhaust gas cleaning solutions (**closed loop scrubbers**), which reduce the sulphur emissions by at least 90 percent and thereby comply with the new standards for sulphur limits.

**SCRUBBER
INSTALLATION:
U-TYPE OPEN
LOOP HYBRID
READY SOX
SCRUBBER
SOLUTION FOR
54.2MW
MAIN ENGINE**



- FLAG AND CLASS SHIFT
- CLOSED LOOP ZERO DISCHARGE SCRUBBER INSTALLATION
19.2MW
- DECORATION WORKS



**LOWER NOX
BY
SCR-
INSTALLATION**



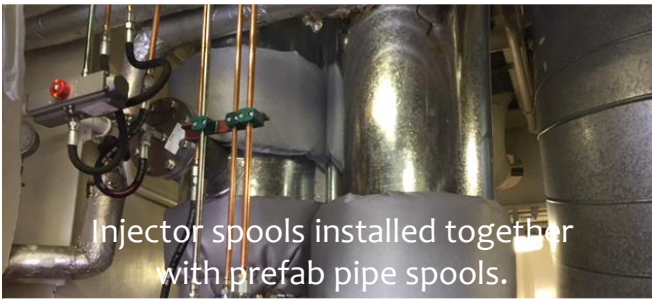
Engineering
GESAB

Purchasing
Terntank Ship Management

Construction
GESAB

Installation
FAYARD

Commissioning
GESAB & FAYARD



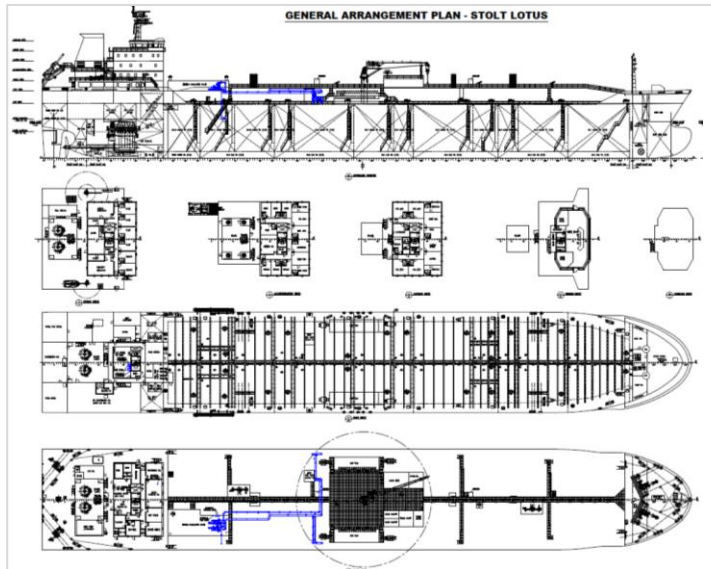
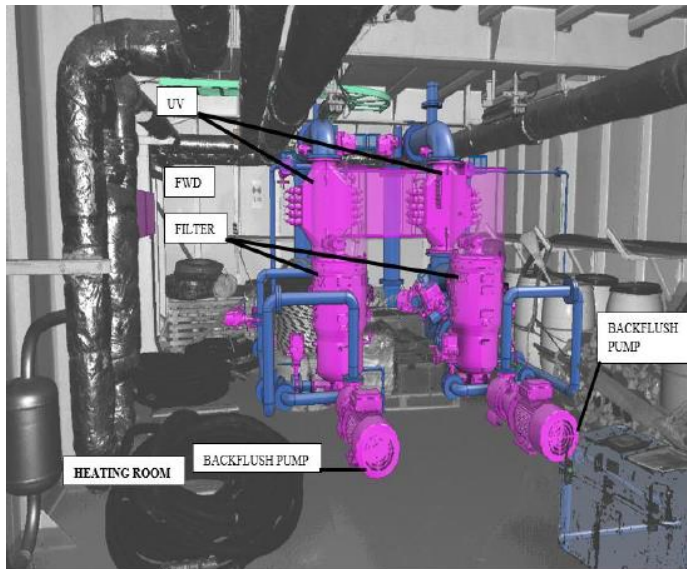
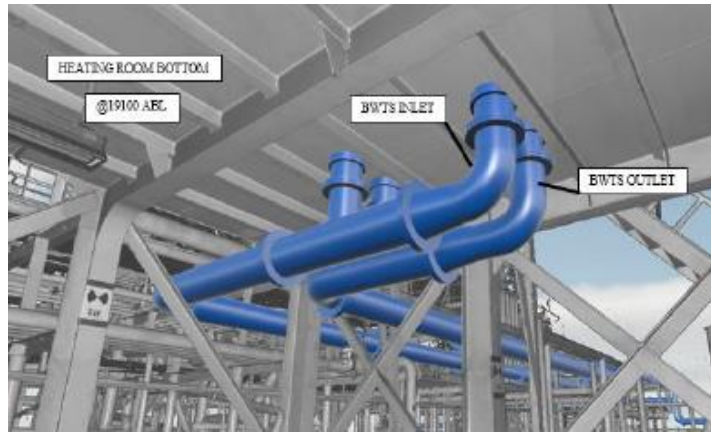
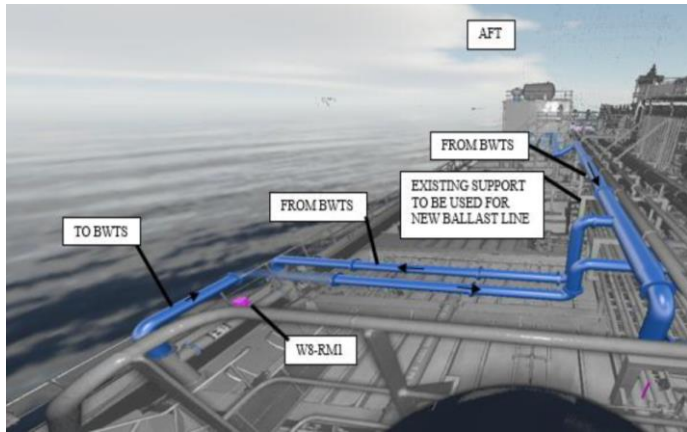
FAYARD A/S Installation Scope of Works

1. SCR Reactor including NOx-reducing catalyst elements.
2. SCR Injection unit with mixing element and boss for injector.
3. SCR Mixing pipe.
4. SCR Dosing Unit, GMDS, urea membrane pump, urea injector, field sensors, integrated PLC & NOx sensor.
5. SCR Soot blower system.
6. Urea tank with fittings.
7. Pipe work.
8. Steel foundations.
9. Insulation of renew pipe system.
10. Electrical & Interfacing.
11. Paint work

BALLAST WATER MANAGEMENT SYSTEM

VESSEL: STOLT LOTUS
TYPE: DESMI OCEAN GUARD CC500M3
TECHNOLOGY: FILTER AND UV
FLOW: 50M3/H-500M3/H
 FROM UV TRANSMISSION OF 42%
POWER: 54KW - 75KW
HOLD TIME: 2HRS





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

LNG CONVERSION TO DUAL FUEL OPERATION



FURETANK CARRIED OUT THE LNG CONVERSION OF FURE WEST AT FAYARD A/S. TOGETHER WITH THE ENGINE MAKER MAK IN GERMANY, SUPPLIER PON POWER IN DENMARK, TAYLOR-WHARTON WHICH WILL MANUFACTURE THE TANKS AND LNG FUEL SYSTEM IN SLOVAKIA AND THE FACT THAT THE WORK WAS CARRIED OUT AT FAYARD A/S MADE THE PROJECT LNG CONVERSION A SUCCESS.

IN REGARD TO THE CONVERSION OF FURE WEST, MR. HÖGLUND, CEO OF FURETANK AB, POINTS OUT "IT'S IMPORTANT TO US AS A COMPANY THAT WE CONTINUE ON THE ROAD TOWARDS NO EMISSIONS, SINCE 2011

FURE WEST HAS BEEN CERTIFIED AS "GREEN VESSEL" ACCORDING TO THE CSI AND ADDING TO THAT WE NOW WILL REDUCE CO₂, ELIMINATE SOX AND PM AND MINIMIZE NOX WHEN CONVERTING TO LNG".





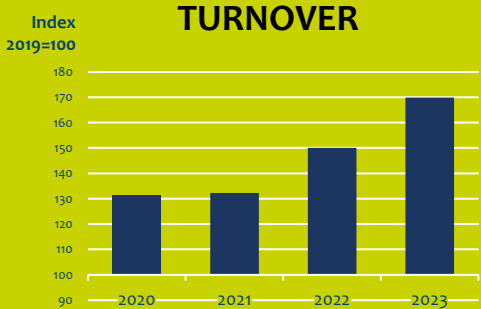
ENVIRONMENT

Making Global Goals Local Business

- We are fully committed to conducting our activities in an environmentally responsible manner. In our attempt to run a yard that is as environmentally friendly as possible we have amongst others
- Dry Docks are environmentally Closed Loop systems
- Hull Cleaning by Water Jetting as standard
- Shore Power availability reduces vessel emissions
- Tank Washing Water Receive System (Slop)
- Vessels in Inerted condition allowed
- Lower VOC Emission to air than allowed quota
- Waste Management System in operation
- All Chemicals are stores in Secured areas
- Recycling of scrap materials availability
- LED-bulbs where applicable
- EU-approved Ship-recycling facilities



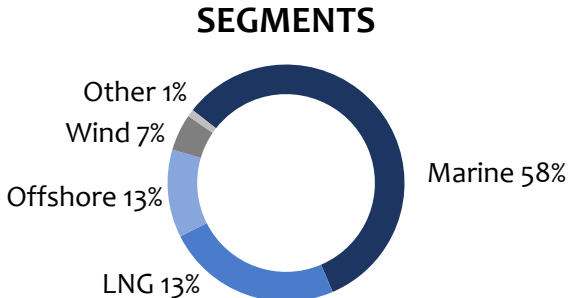
THE NUMBERS



VESSELS PER YEAR (avg.)

121

2023 DOCK UTILIZATION



DELIVERED ON-TIME

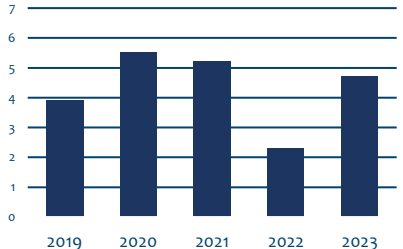
100%

PART OF TURNOVER FROM RETURNING CUSTOMERS

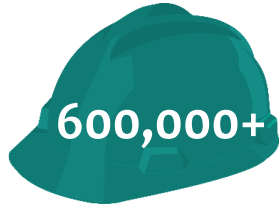
87%

OSHA TRIR

(the 200,000 hrs benchmark)



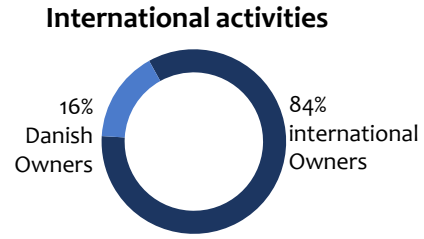
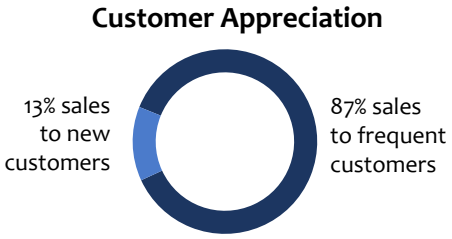
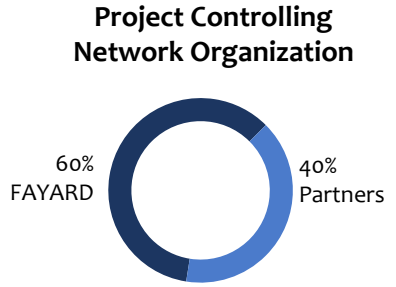
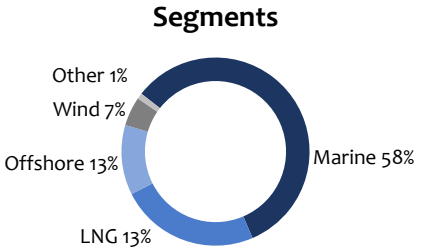
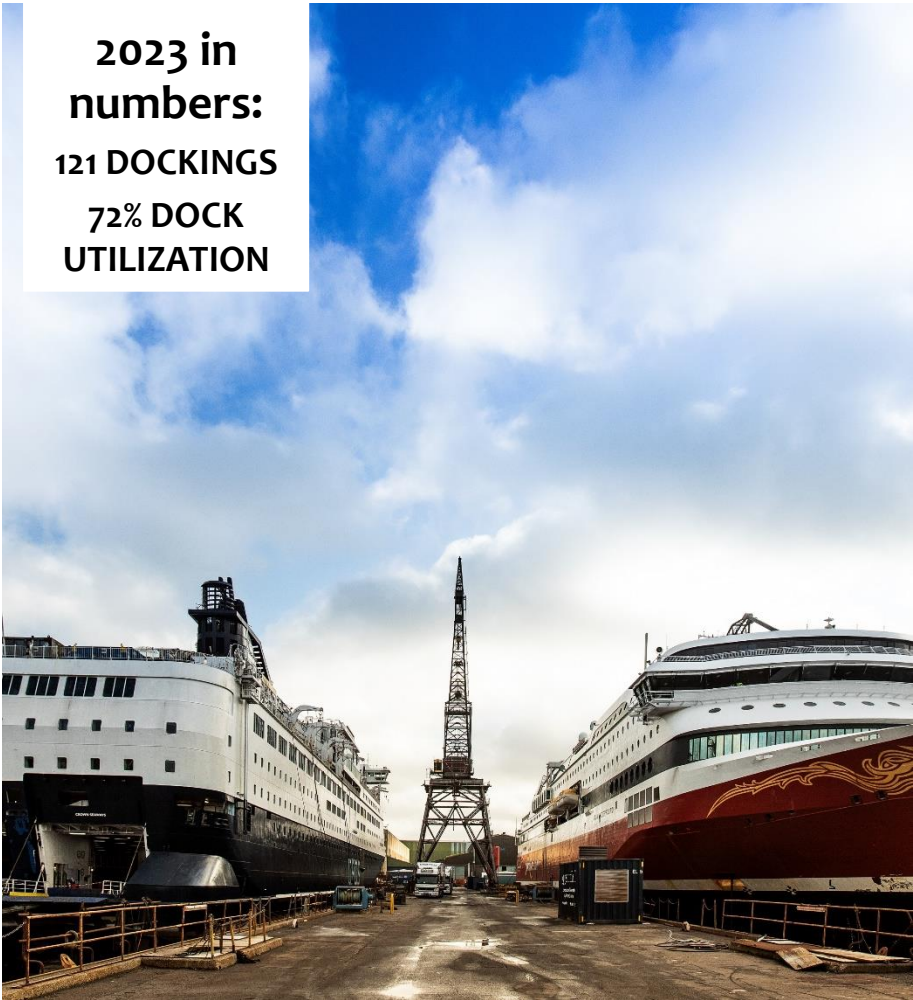
AVERAGE WORKING HOURS PER YEAR



DOCK AVAILABILITY Meets requested service slot

98%

2023 in numbers:
121 DOCKINGS
72% DOCK UTILIZATION



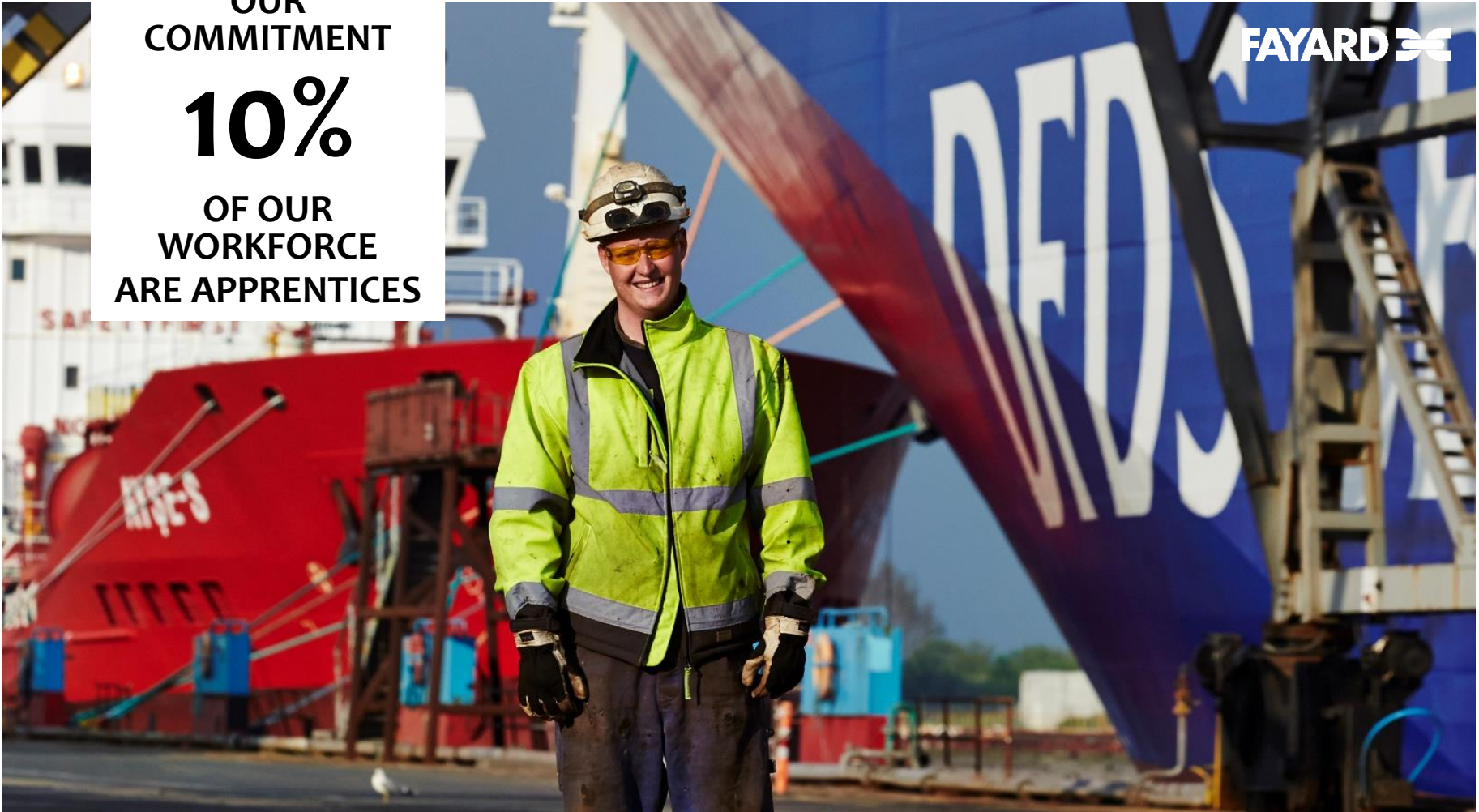
108 years of being On-Time

OUR
COMMITMENT

10%

OF OUR
WORKFORCE
ARE APPRENTICES

FAYARD 



Quality - On time - Always



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