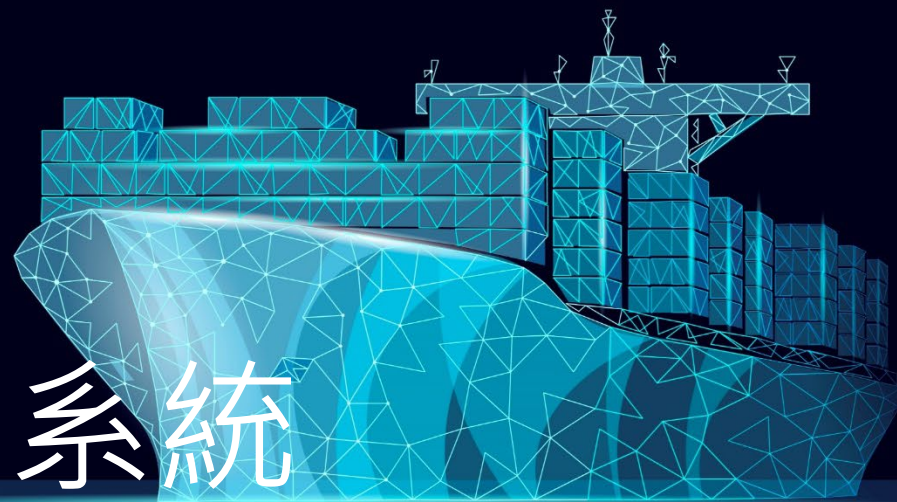


# 塢修工程規劃了嗎？ 壓艙水處理系統與脫硫系統



# Alfa Laval in Marine



Service

Parts

Upgrades & retrofit



# Dry Dock Solutions

3

## Marine Service

Get a Performance Assessment of system, and assistance before, during, and after your ship is in drydock.



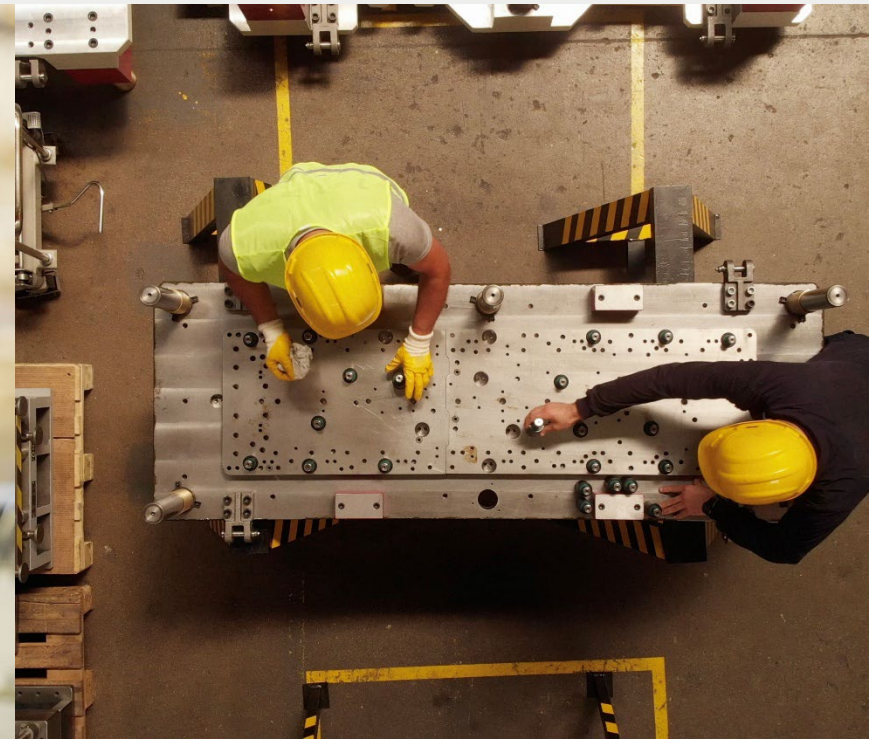
## Dry Dock Kits

Maintain or restore your system performance with genuine spare parts



## Upgrades

Enhance your system performance with upgrades tailored for your equipment use







# What's in it for the Customer?

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Peace of mind!

**Complete solution** – No missing parts, no surprises

**Minimized Dry Dock downtime** – Faster servicing, less waiting

**Extended equipment lifespan** – Prevents premature failure, improves performance

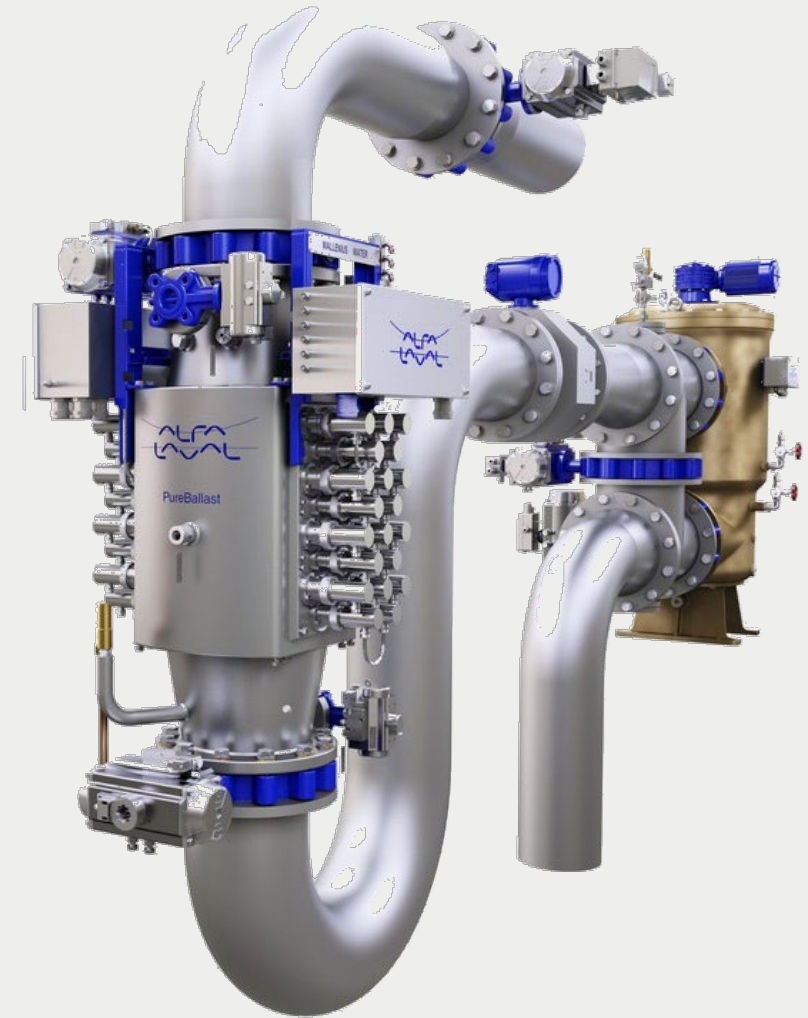
**Simplified logistics** – Single order, single shipment, global availability

**Cost savings** – Reduces procurement costs and avoids emergency orders

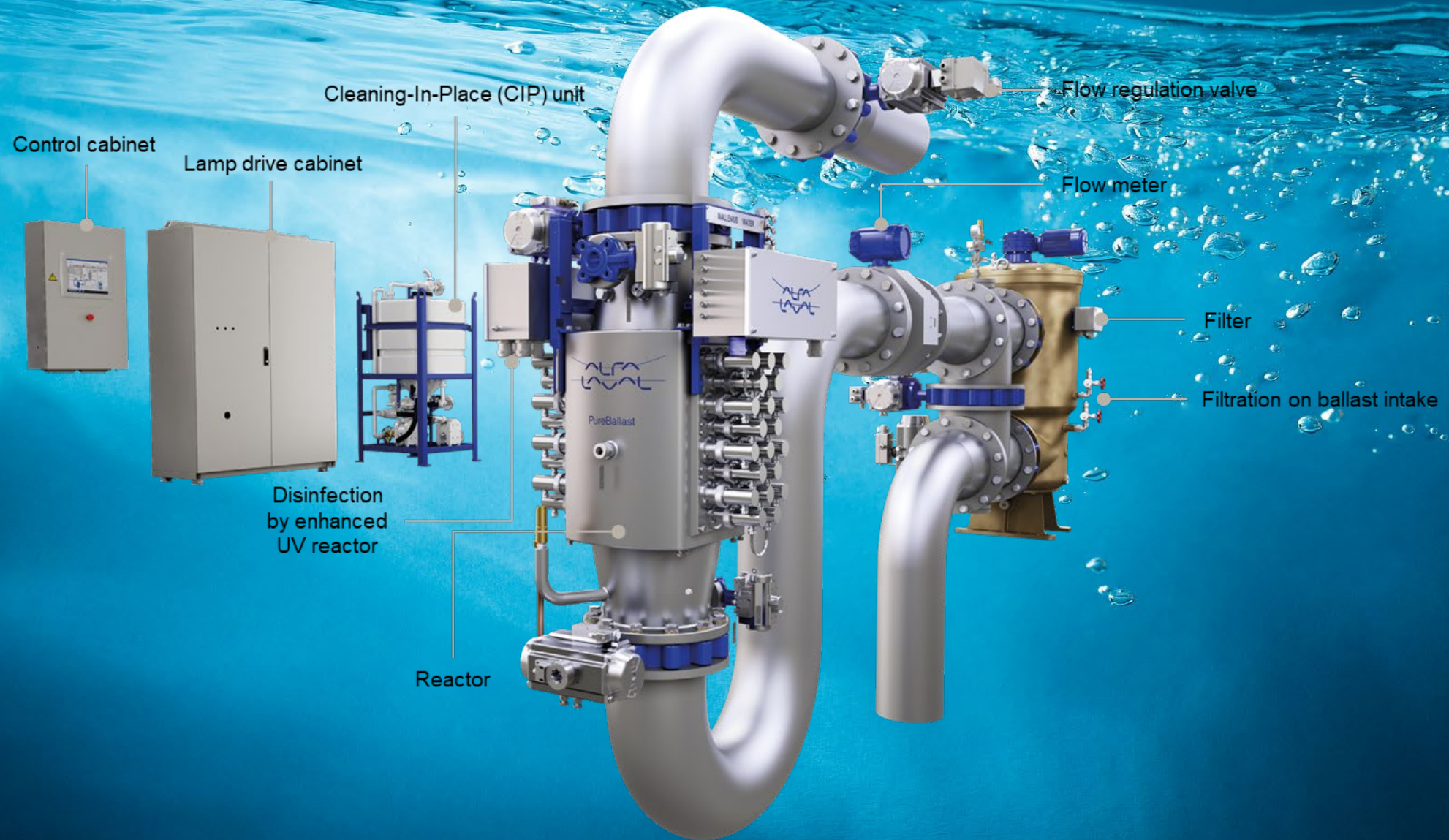
# Pure Ballast Dry Dock Services

Drydock presents an excellent opportunity for overhaul & preventive maintenance to safeguard long term performance and compliance with environmental regulations.

Alfa Laval can support throughout your entire drydock process.







# Dry Dock Service Kit

*Maintain or restore your PureBallast system performance with genuine spare parts*



UV Reactor



Filter



Valves



CIP unit



Booster pumps



Additional components

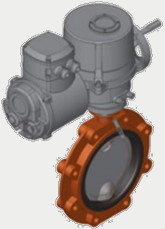
## What's in it for you?

- Minimized risk of unexpected downtime with preventive maintenance
- Secure availability of genuine spare parts
- Easy and effective planning of maintenance during dry-docking
- Budget-conscious planning



# Upgrades

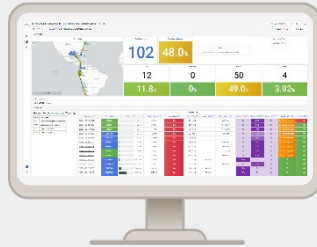
Flow & pressure control upgrades



Filter performance upgrades for challenging waters

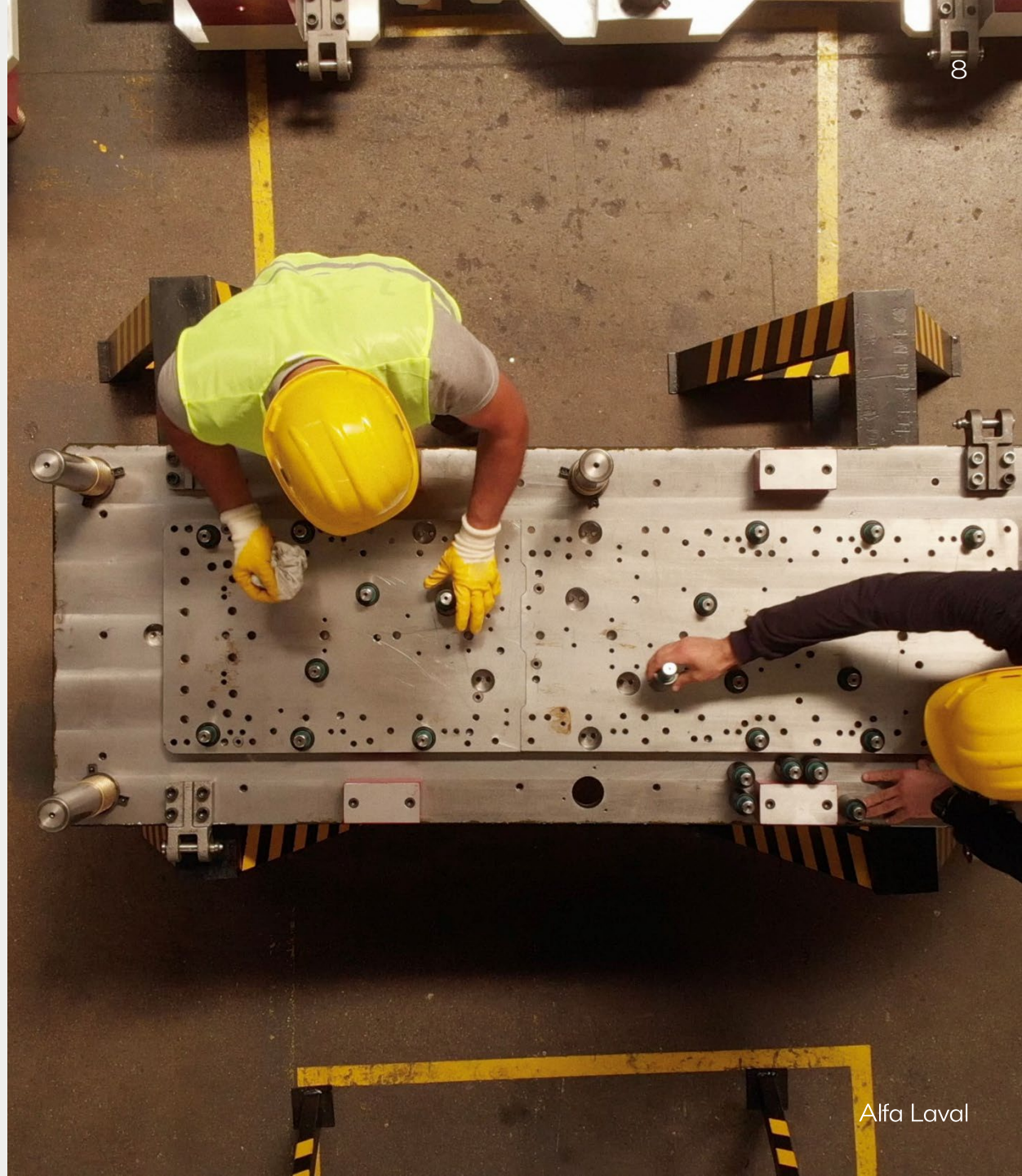


Software & connectivity upgrades



## What's in it for you?

- Increased performance for your specific use case
- Reduced operational and maintenance costs
- Minimized risk of breakdowns for maximized uptime



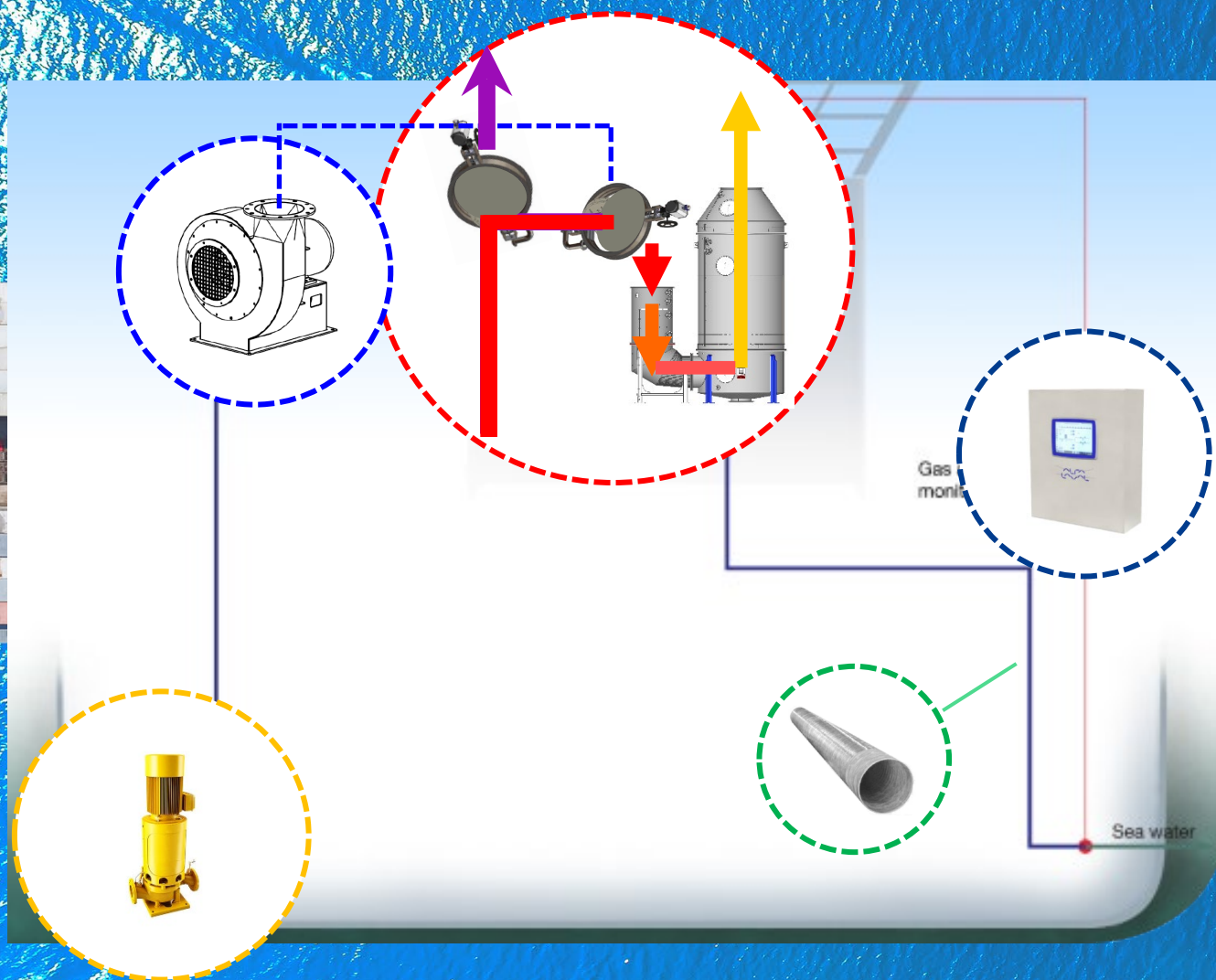


# PureSOx Dry Dock Services

Dry dock offers the optimal moment to carry out essential scrubber maintenance and repairs.

During Dry Dock the PureSOx scrubber system will be shut down, which gives opportunity to carry out tasks that are not normally possible during sailing





Scrubber with by-pass and uptake dampers

Sealing air fan to prevent exhaust gas pass through the dam

Centrifugal pump(50%) x 2 units, frequency controlled

Monitoring equipment for measuring parameters: turbidity, SO<sub>2</sub>/CO<sub>2</sub>, pH

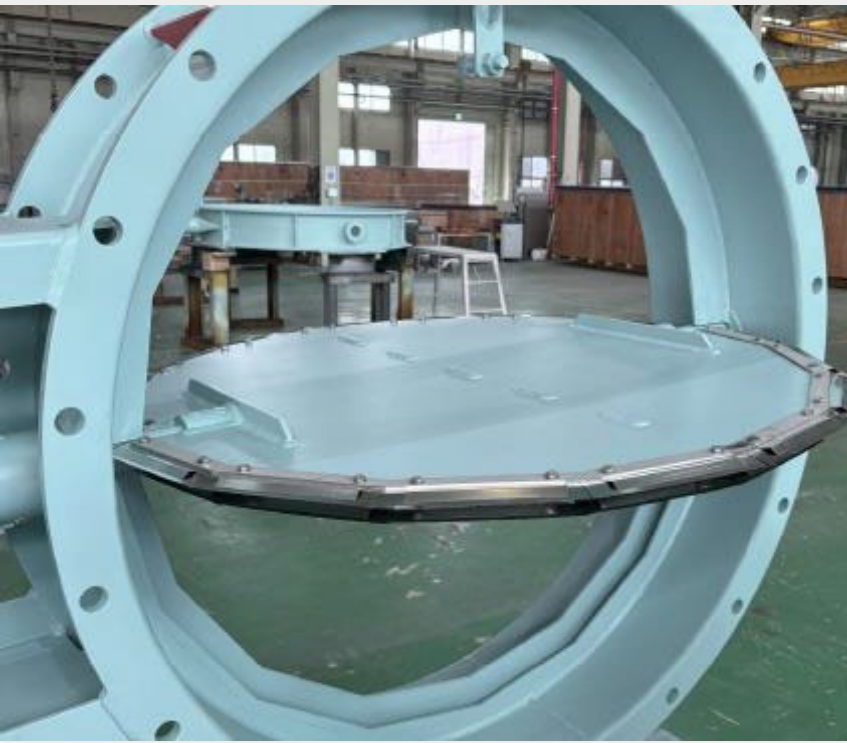
All pipes are made from Glass Reinforced Epoxy (GRE)



# PureSOx Dry Dock Service Kit

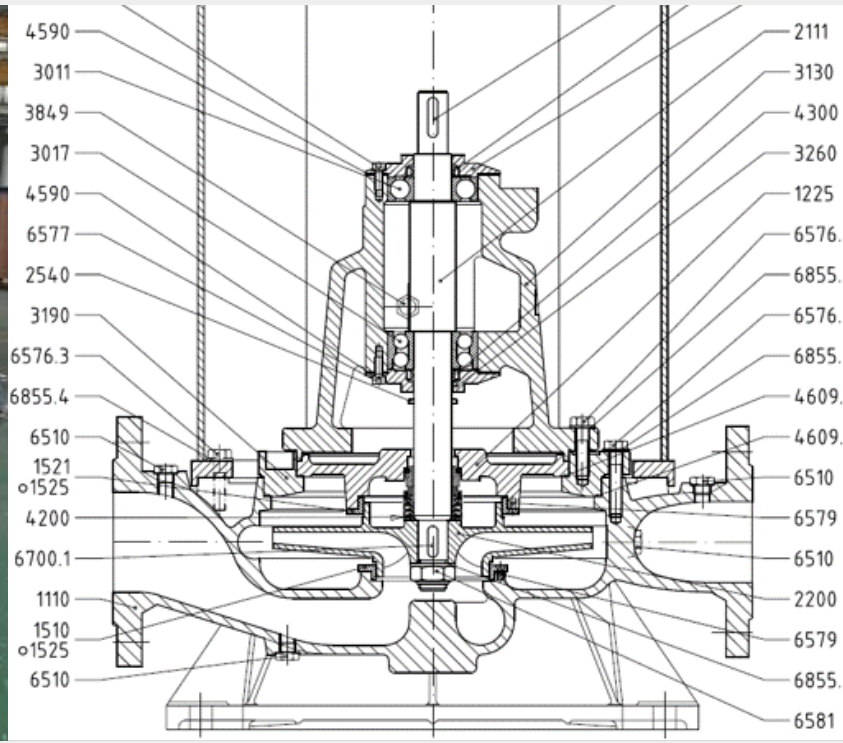
## Damper valves

Full overhaul kit for damper valve(s)  
Gland Packing, Leaf springs and  
Solenoid Valve for ME & AE



## Centrifugal Pump

Make sure Overhaul maintenance done  
according manual



## Frequency drives

Full replacement parts for frequency drives  
Internal Fan, Main Fan and Power Supply



# PureSOx Dry Dock Service Kit

## Water Sensors

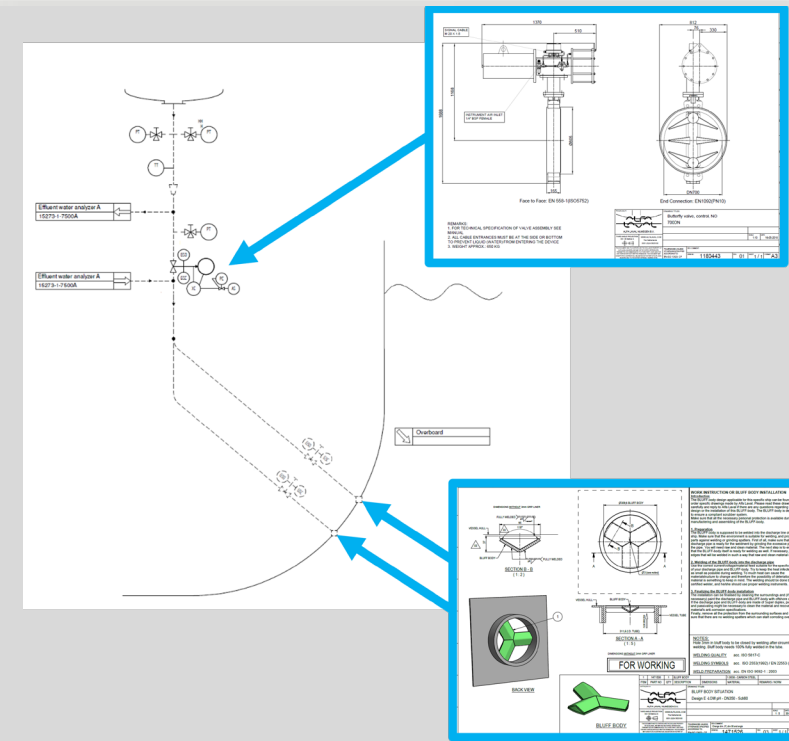
Supply of full overhaul kit for water sensors  
Make sure maintenance done

## Gas analyzer

Supply of full overhaul kit for gas analyzer  
Make sure maintenance done

## Pneumatic actuator / bluff body

Best opportunity to have maintenance  
carried out of the actuator and replacement  
of the bluff body





# How it works

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# 聯絡我們

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# Pioneering Positive Impact