



# Ahead in experience

Alfa Laval PureSOx references



# Don't just comply – be a step ahead

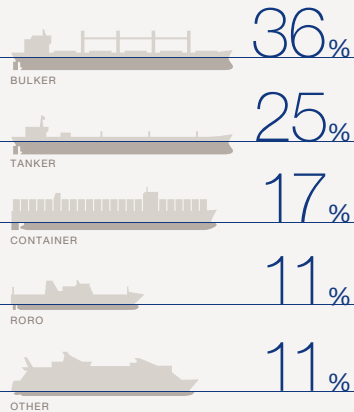
You won't be alone in choosing a SOx scrubber. But you will be a step ahead, if you select the scrubber at the forefront: Alfa Laval PureSOx. At sea since 2009, PureSOx has the record others aspire to, with every system ever sold in operation and in compliance. Built on 100 years of marine experience, PureSOx has been chosen for hundreds of vessels to date. But what matters more are the returning customers, convinced by smooth installations, proven results and first-rate global service. They know PureSOx will keep them ahead – today, in 2020 and beyond.



# Facts and figures about Alfa Laval PureSOx

## Expertise

VARIETY OF SHIPS



Years of experience in marine industry 100  
 Years of experience with marine scrubbers 50  
 Years at sea >10

## Service

GLOBAL SERVICE CENTERS



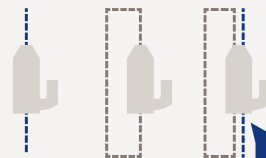
## Connectivity

100 ACTIVE CONNECTIONS

## Project execution

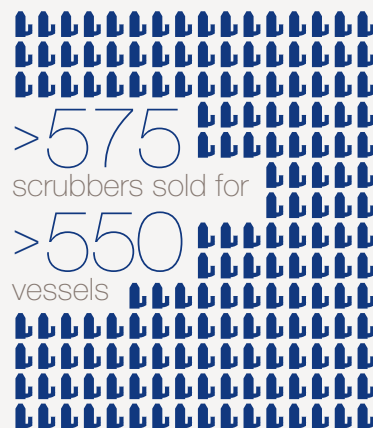
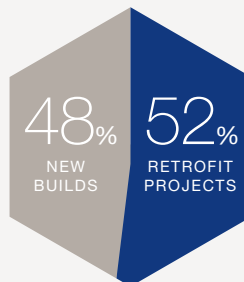
PURESOX CONFIGURATION

81% 2% 17%  
 OPEN-LOOP CLOSED-LOOP HYBRID



2 orders for hybrid upgrade!

TYPE OF INSTALLATION



## Compliance

Numbers of scrubbers installed >450

Total hours of operation >6,000,000

72% of PureSOx systems in operation have an Alfa Laval service contract

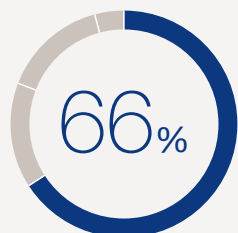
# References

## Bulker

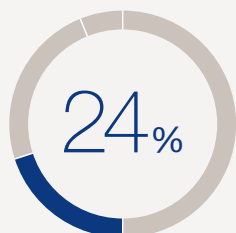


"PureSOx open loop U-type system ensures M/E safe operation while Alfa Laval extensive experience and track record in the Scrubber industry along with her Global Service Network guarantees uninterrupted operation of the vessels."

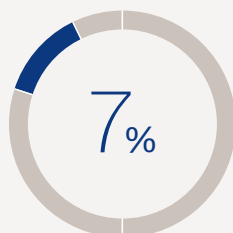
Dr. Loukas Barmparis, President, Safe Bulkers, Inc.



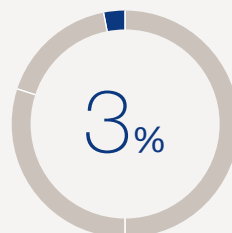
Capesize  
bulk carrier  
100K+ DWT



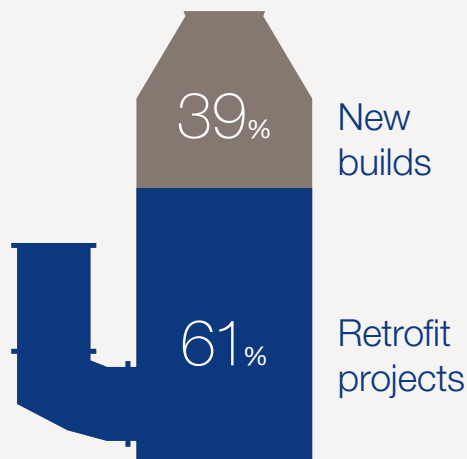
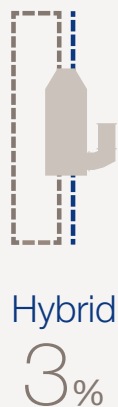
Panamax  
bulk carrier  
60-100K DWT



Handymax  
bulk carrier  
40-65K DWT



Handysize  
bulk carrier  
10-40K DWT



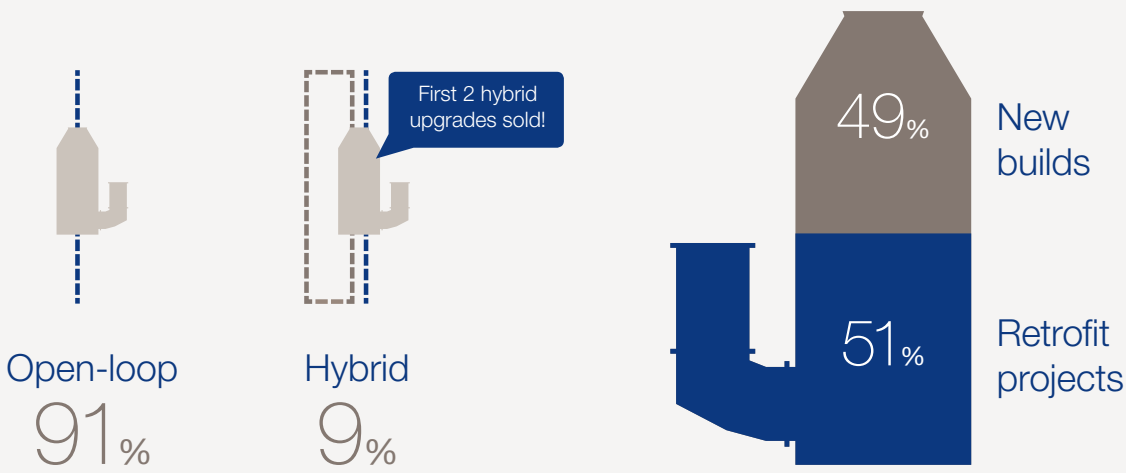
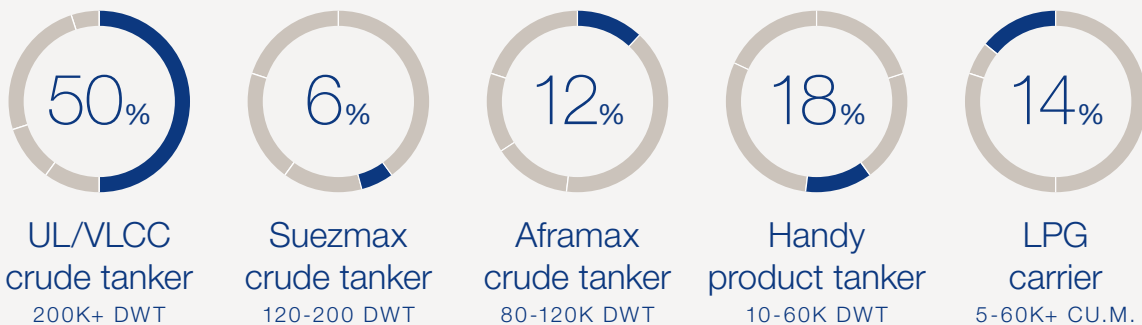
# References

## Tanker



"The PureSOx scrubber commissioning and operation during sea trials was exceptional. It was amongst the equipment on board without alarms during the endurance and UMS tests in the sea trials."

Miltos Synefias, Technical Director, Pleiades Shipping Agents S.A.



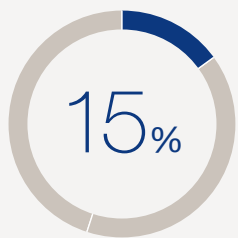
# References

## Container

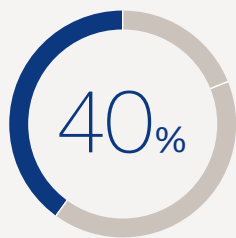


"The PureSOx solution was well engineered and allowed a sophisticated integration of the scrubber system into our container feeder ships. The custom construction let us avoid major modifications inside the vessel, which together with the pre-outfitting gave us a short installation time. All those factors contributed to a competitive price."

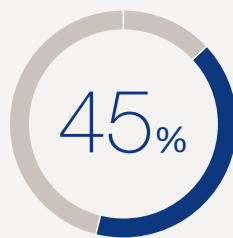
Christoph Meier, Project Manager, Buss Shipping



Post-Panamax  
15K+ TEU



Intermediate/  
Neo-Panamax  
3-15K TEU



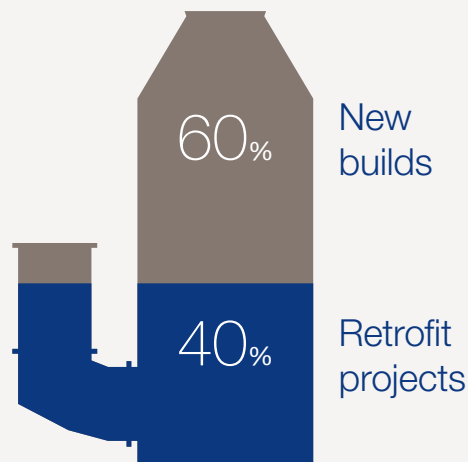
Feeder  
<3K TEU



Open-loop  
82%



Hybrid  
18%



New  
builds

Retrofit  
projects

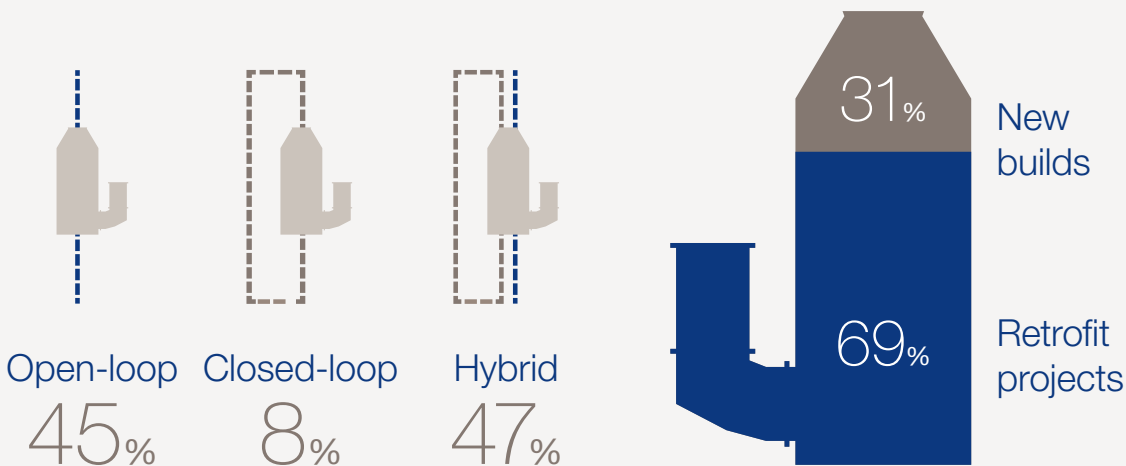
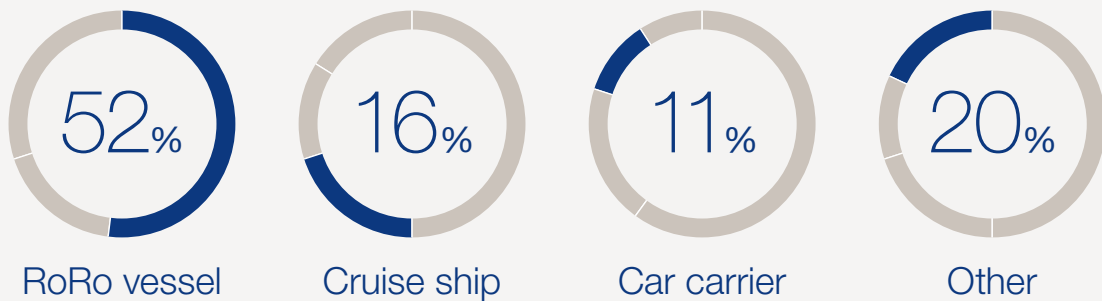
# References

## Other



“Hybrid scrubbers are among the most efficient alternatives to using expensive low-sulphur fuel oil. Based on our previous experience, PureSOx has proven to be a reliable and efficient retrofit solution. We have been very pleased with the cooperation with Alfa Laval.”

Kasper Moos, Vice President Technical Org., DFDS Seaways



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**How to contact Alfa Laval**

Up-to-date Alfa Laval contact details for all countries are always available on our website at [www.alfalaval.com](http://www.alfalaval.com)

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Alfa Laval reserves the right to change specifications without prior notification.