TIME TO ACT

Due to the new legislation of the Internation Maritime Organization (IMO) many ships need

to be equipped with scrubber units to ensure cleaner air and less SO₂. Now, it's time to act. Scrubber units are sold out in a lot of areas. Shipyards for advanced facilities and working teams as well as riding crews are booked solid in numerous areas. CombiTrade recommends: Save time and money! Book one of the Combitrade service - ideally, com packages for scrubber retrofit -

It is one of the fastest and most inexpensive ways to meet the IMO requirements!

bined with your regular class survey.

PACKAGES Choose which services you need!

DESIGN AND DRAWING MODIFICATIONS PRE-PIPING BY RIDING

CombiTrade is your competent full-service

plete project, from planning to completion in full compliance to

> SCRUBBER DELIVERY > DRY DOCK ARRANGEMENTS SUPERVISION OF FINAL INSTALLATION AND TEST TRAIL

- STEPS
 ROM PLANNING TO COMPLETION

partner for professional scrubber retrofit. 1. We accompany you throughout the com-

the 0.1% sulfur cap for exhaust gas emission. Our engineering is fast, accurate, costreducing and allows to create clash-free products from the 3D scrubber and piping model to the docking.

ONBOARD SURVEY AND 3D SCANNING









For the onboard survey Combi-Trade uses the newest laser scanning technologies. Point cloud data



Based on the results of the 3D scanning a customized 3D

ed design will be made by one of our special-

Of course, we will also take care of the neces-

ized partners.

sary class approval.

engineering drawing / detail-



The 3D engineering technology is used for scrubber and pipe prefabrication. It results in a more accu-

up to two weeks of expensive docking time. Special feature: Additionally, CombiTrade offers glass fibre pipe systems. This GRE and GRVE piping is type approved in diameter range 25 mm up to 1000 mm and more, available in rated pressure classes up to 16 bar, and designed

rate and wise designed installation and saves

We arrange tailor made docking solutions. You appoint the area and we take care of the scrubber delivery. For this measures, you benefit from our global network of best costumer service shipyards. We cover all price segments.

THE BEST CHOICE FOR SCRUBBER INSTALLATION

We are available 24/7 when you are looking for a dock or a workshop, whether for routine matters or in case of emergencies. We assist in the time consuming selection to find the most suitable and competitive facility as well as arranging for all necessary supplies and spare parts. Benefit from our global network

. for full vacuum. The light weight and the longterm resistance have made GRE and GRVE the material of choice for scrubber equipment in the highly corrosive marine environment

Professional project management is our core competence, our team is at your side to individually and efficiently assist you with project management. We consider

the entire system of the vessel, comply with relevant regulations as well as the customer's and owner's wishes. From this, we develop customer-oriented solutions – efficient, easy

We are looking forward to an individual consultation and a customized solution for your project.

and cost-optimized.

ON THE MAP

Four offices and more than 170 dry and floating docks as well as retrofit-centers all around the world Over the years we have built up close and constructive relationships with numerous shipyards and are proud to have been entrusted with exclusive representations. This background enables us to offer and provide

professional service, assistance, scrubber and BWTS installation, repair and newbuilding to shipowners looking for shipyards

and retrofit-center of any kind.

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