

YOUR ANSWER TO SOX SCRUBBER TECHNOLOGY

Presentation by Marcel Clephas



HISTORY AEC SYSTEMS

1994

EXPERIENCE IN AIR EMISSION REDUCTION

1994-2013

PIONEER AND MARKET LEADER IN
AIR EMISSION CONTROL FOR LIVESTOCK FARMING

1999

SPECIALISATION IN ODOUR AND EMISSION CONTROL FOR INDUSTRIAL PURPOSES

2008

START DEVELOPMENT SOX SCRUBBER
TECHNOLOGY FOR MARITIME INDUSTRY → PATENT
PENDING





12 SEPTEMBER 2012

The European Parliament's 'rapporteur' on sulphur limits for marine fuel has welcomed moves to finalise plans for sulphur regulations in European waters. "The uncertainties are now gone," said Satu Hassi, a Finnish member of European Parliament and a representative of Finland's Green Party.

Parliamentarians voted overwhelmingly on Tuesday for a limit of 0,5% sulphur in marine fuels to be applied in the EU waters by 2020. They also confirmed a sulphur limit of 0,1% from 2015 in Emission Control Areas (ECAs).

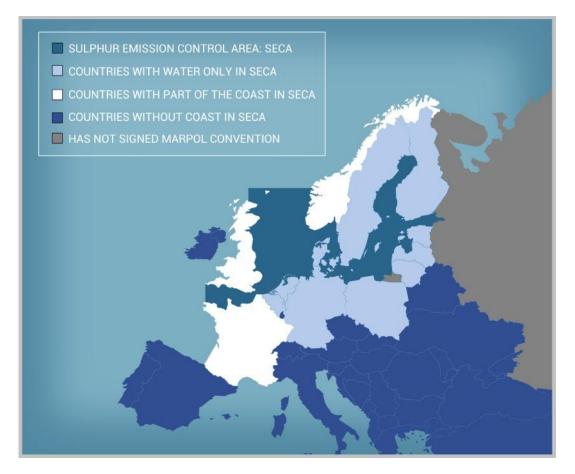
The vote gave EU backing to moves already agreed at the International Maritime Organization (IMO).

"Tightened rules will have a big improvement in protecting health," claimed Hassi. She said the next step would be to have the 0,1% limit, so far planned only for ECAs, to applied in all EU waters.





SECA COUNTRIES

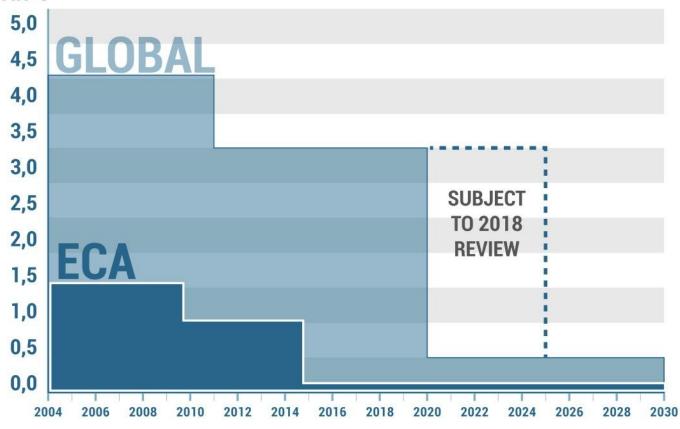






IMO MARPOL ANNEX VI









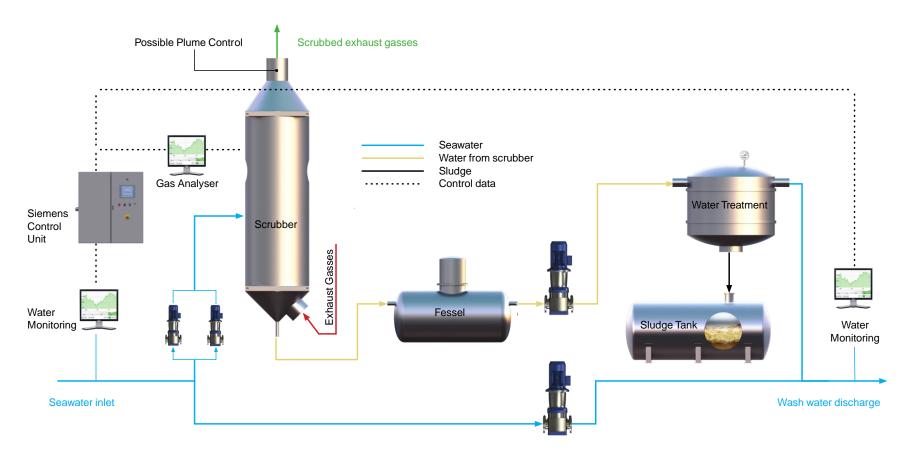
SOLUTIONS AEC MARITIME







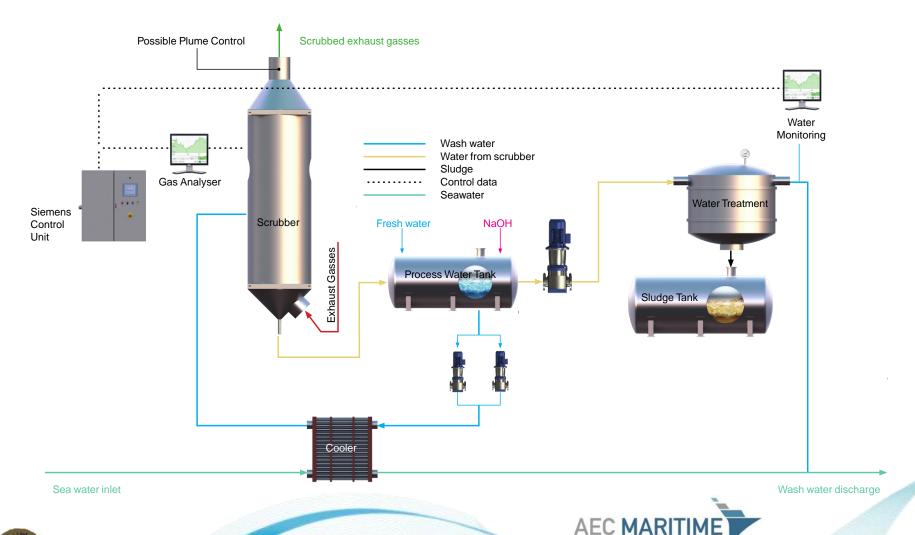
OPEN SCRUBBER SYSTEM





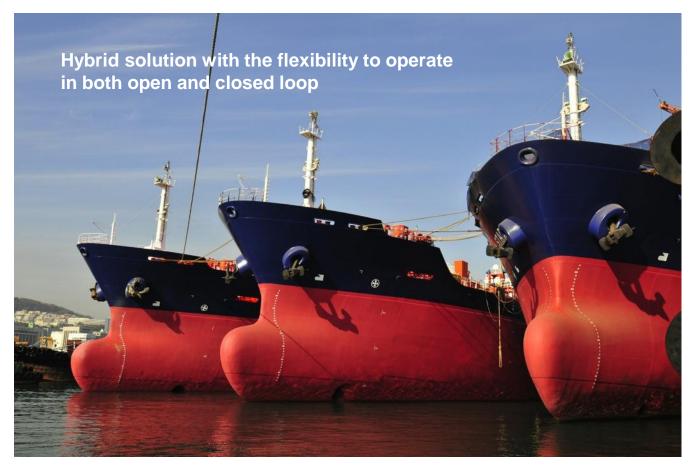


CLOSED LOOP SCRUBBER SYSTEM



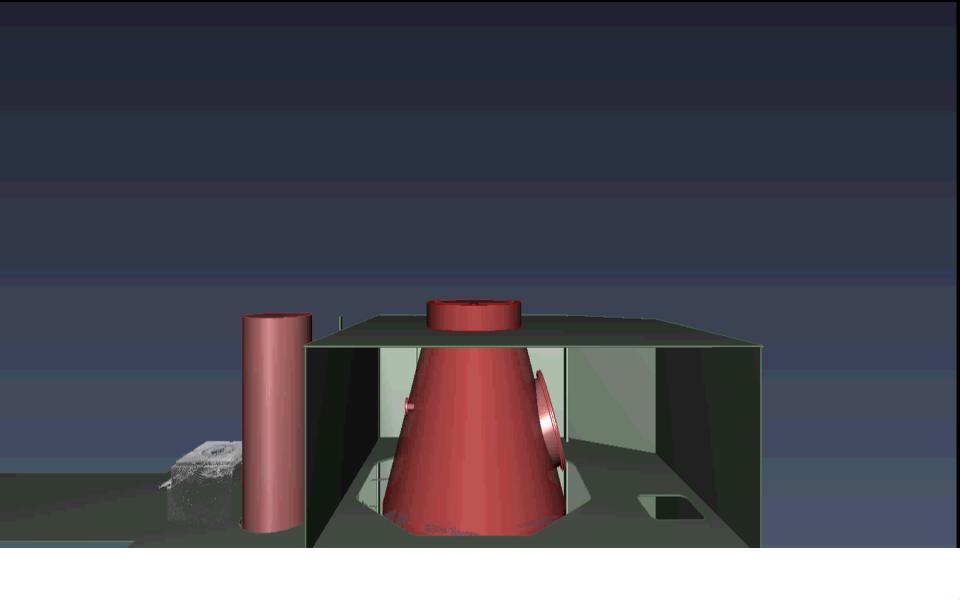


HYBRID SCRUBBER SYSTEM





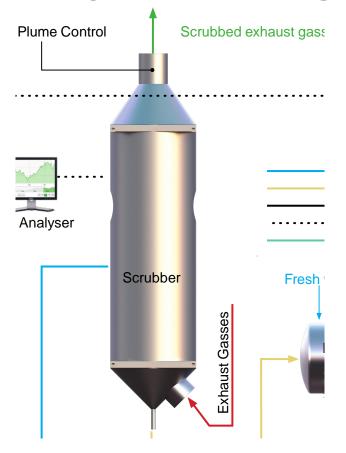








AEC MARITIME SOX SCRUBBERS



CAN BE INSTALLED IN COMBINATION WITH ALL ENGINE BRANDS

TOTAL SOLUTION

TAILOR-MADE TO YOUR VESSELS

LIGHT WEIGHT 'STABILITY'





GAS ANALYSER







PARTNERS AEC MARITIME



SALES AND ENGINEERING





PRODUCTION







VDL GROUP



POD COOLER



VDL KLIMARINE BOX COOLER



- o 82 OPERATING COUNTRIES SPREAD OVER 18 COUNTRIES
- MUTUAL COOPERATION
- EXTENSIVE PRODUCT RANGE IN VARIOUS MARKET SECTORS
- SMART COLLABORATION BETWEEN ENGINEERING AND PRODUCTION
- IN ACCORDANCE WITH THE MOST DEMANDING QUALITY STANDARDS





GEA WESTFALIA







- **OUR SEPARATION**
- **O INTERNATIONALLY CERTIFIED QUALITY MANAGEMENT**
- o DIN EN ISO 9001:2008 DIN EN ISO 14001:2004





CURRENT PROJECTS



CLOSED LOOP SCRUBBER FOR FOUR VESSELS

FIRST SYSTEM IN OPERATION DECEMBER 2013

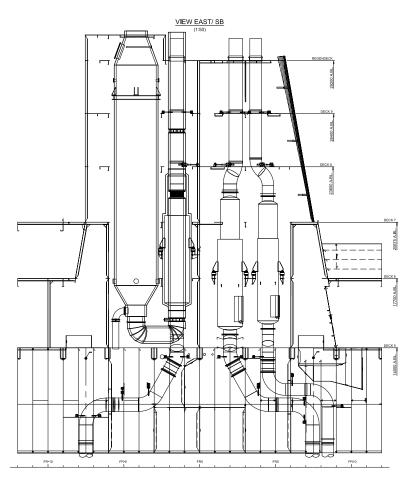








PROJECT SCANDLINES







KEY BENEFITS OF OUR SOX SCRUBBER









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