

Value Maritime

“Our goal is to make the Maritime Industry more sustainable by combining smart **green** solutions with financially attractive business cases”



Our Green Solution – Filtree System

Patented New Technology – Value Maritime Filtree System Compact

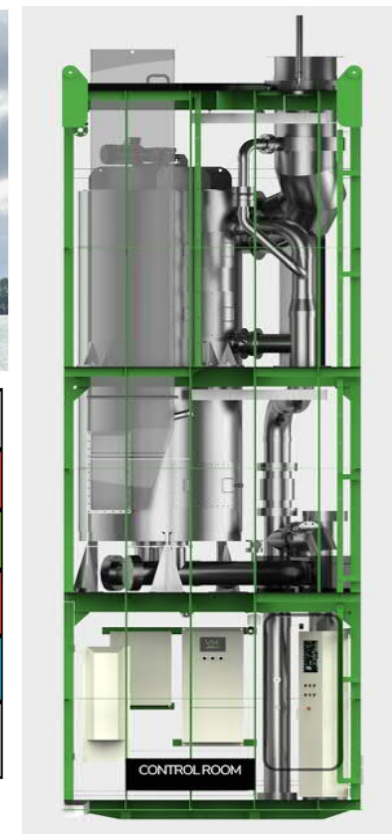
- Turn key installation
- Standardized “plug & play” exhaust gas filter system:
 - o Highly efficient installation process
 - o Easy extraction and reinstallation to other vessel
- Suitable for small to medium size vessels
- Various financial solutions possible

Environmental

- Hybrid ready clean loop system:
 - o Continuous wash water cleaning comparable to closed loop
 - o Compact closed loop unit available
- Reducing SOx, CO2 and PM (Black Carbon)
- Upgrade the Filtree for onboard CO2 capture
- Continuous real time monitoring

Proven

- 15 Filtree units in operation, 22 in orderbook and 100 in pipeline
- Payback time unit including installation 1.2 - 2.5 years
- First unit operational since 2018
- Repeat orders
- Standardized units: quick, reliable and predictable



CO2 Capture Operations



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Value Maritime CO2 capture unit integrated with Filtree system

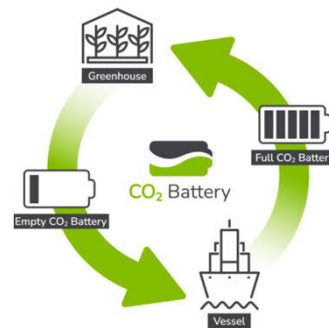
- Filtree unit works with and without CO2 capture
- Start and stop of CO2 unit from Filtree HMI
- Additional energy consumption minimal

Handling on board:

- Connecting the supply and discharge with flexibles at CO2 Battery.
- Supply and return of CO2 Battery managed by VM CO2 services.

CO2 discharge for greenhouses or Storage (CCS)

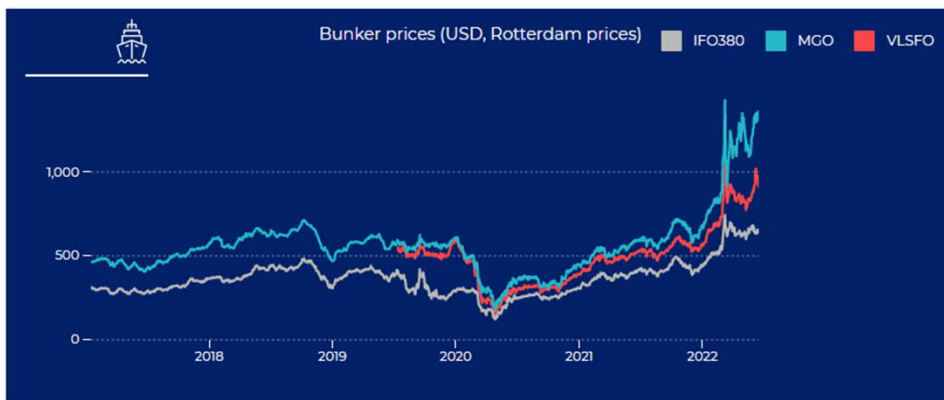
- Positive impact of CO2 capture to Ships' Index



Price difference HSFO – MGO/VLSFO

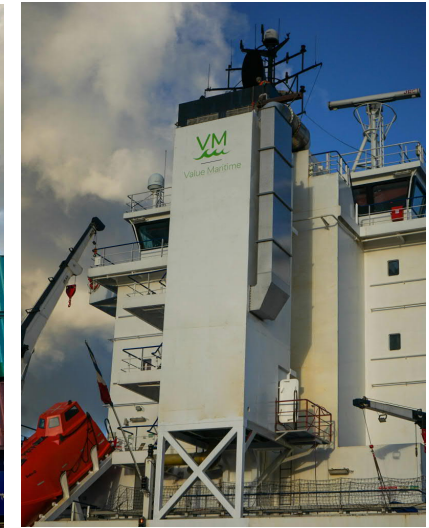


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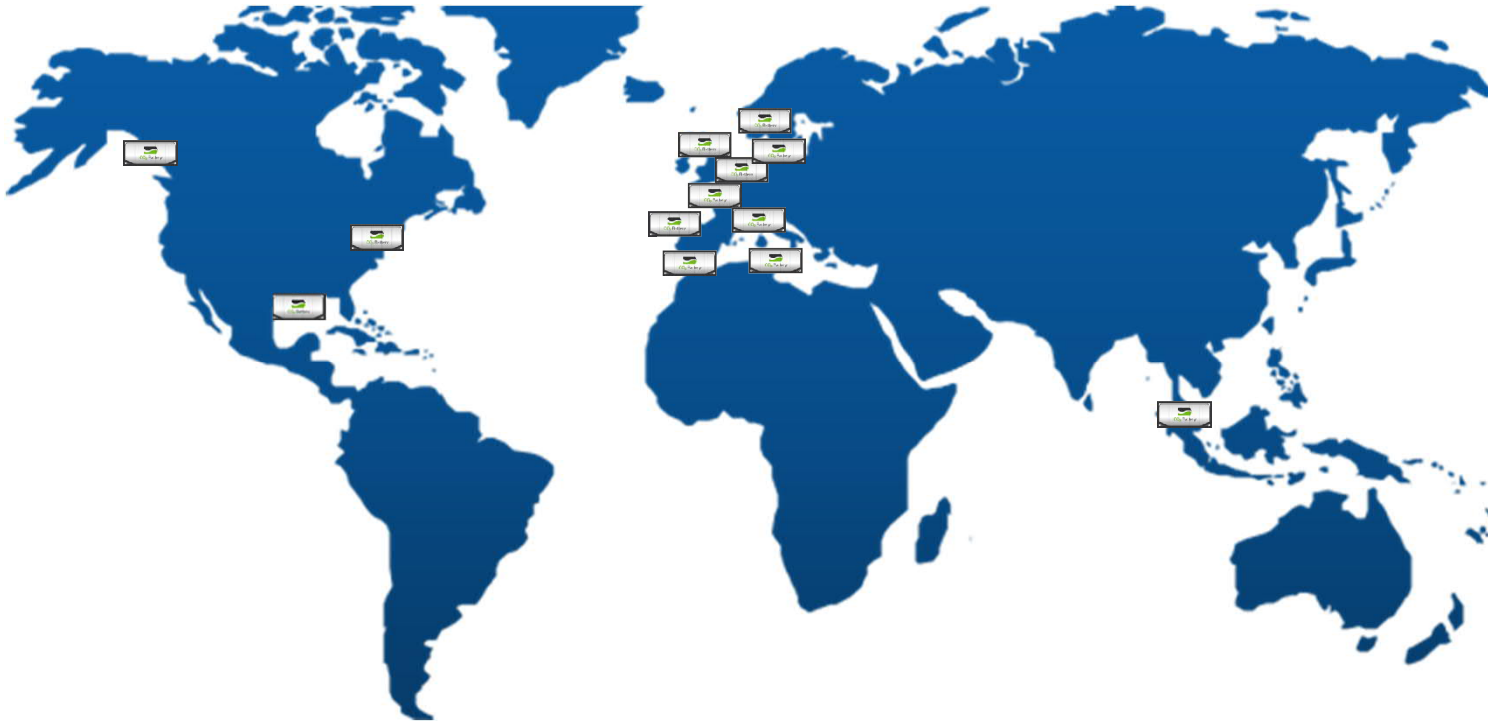


Price difference

- Price difference HSFO – MGO/VLSFO recovering to or on pre corona level.
- Pay back time units including Carbon Capture and installation on board 1.2 – 2.5 years (average prices).
- Example fuel savings in SECA 5.000 tn x USD 737 (R'dam today) is USD 3.685.000 per year.



CO2 Battery Network



Value Maritime is currently building a network of CO2 Battery hubs, where CO2 Batteries can be loaded and unloaded.

Various applications on how to use the captured CO2 will differ per region (i.e. food, greenhouses, green methanol production).

Questions ?



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