

Reefership Marine Services cuts scrubber CEMS total cost of ownership with Danfoss IXA **MES 1002**

Highlights

Compliance

Minimal maintenance

Easy installation

Dole Plc operates a global fleet of scrubber-fitted vessels, relying on continuous emission monitoring systems (CEMS) to maintain MARPOL compliance in emission control areas (ECA) – a requirement that demands reliable, low-maintenance equipment at sea.

As maintenance costs on their existing CEMS escalated, Dole's in-house ship management division, Reefership Marine Services, selected the MES 1002 from Danfoss IXA – a decision driven by the need to reduce total cost of ownership without compromising compliance.

Simplify regulatory **compliance** with an innovative CEMS analyzer



MES 1002 - CEMS

Crew-friendly maintenance cuts operating costs

The MES 1002 is an easy-to-install, in-situ CEMS built for reliable, continuous monitoring of SO₂ and CO₂. Its standout advantage for Dole is crew-friendly serviceability: onboard teams can maintain the system themselves, eliminating costly callouts from external technicians and keeping compliance operations running smoothly.

The pilot installation aboard Dole Pacific proved the concept: a cost-efficient, operationally straightforward solution that sets a clear template for fleet-wide rollout.



Customer testimonial

Mr. Akshaye Arora, Director Vessel Management at Dole, highlights the benefits:

“Our previous CEMS performed well in the beginning, but maintenance costs climbed steadily over time - to the point where a change became the only sensible decision. The transition to MES 1002 was smooth, and the technical support from Danfoss IXA during installation and commissioning on Dole Pacific was first-class. We are very pleased with the system’s performance.”

He adds:

“The responsiveness and hands-on support from Danfoss IXA have made a tangible difference for our crew in day-to-day operations. Our overriding goal was to reduce total cost of ownership on our scrubber CEMS - and MES 1002 has delivered exactly that.”

Danfoss IXA perspective

Damir Alihodzic, Director Global Business Development at Danfoss IXA, comments:

“Dole’s decision to deploy MES 1002 was grounded in a clear business case: lower OPEX, simpler crew operations, and dependable MARPOL compliance. We are proud to have delivered on that, and we look forward to extending this partnership across the rest of Dole’s scrubber-fitted fleet.”

