

Odor Remediation from Wastewater



Odors from wastewater can range from a nuisance to toxic and are typically located near workers and guests or entire communities. Abatement of these odors is increasingly mandated as residential communities encroach on industrial businesses that collect and treat wastewater like municipal treatment plants or produce it like food processing facilities. Even in hospitality, companies need to manage the odors from wastewater tanks and septic tanks where the guest experience is critical to success.

Problem

Maritime vessels faced multiple odor issues, primarily from smells emanating from wastewater in the grey and black water tanks and VOCs from the engines rooms and fumes from the galleys. Additional challenges included viruses, bacteria and mold in owner and crew private and public spaces.

Pyure Solution

Pyure devices were installed directly alongside black and grey water tanks, treating the air in the tanks and eliminating the odor before entering the rest of the ship. Additionally, Pyure IDIs™ were added to the HVAC systems as a sanitization solution to treat viruses, bacteria and mold and eliminate the remaining odors from VOCs and fumes.

Outcome

The odors were drastically reduced in all affected areas and viruses, bacteria and mold were mitigated:

“Crew says they love the new fresh air. It makes them feel more alert during the day and sleep better at night.” - Captain Graham

“We ran tests with grey, and black water smells at our testing station in Hamburg. The results are very impressive - like nothing we have ever seen before. We believe this is the new industry standard.”

- Uwe Fredrich, Sales Director, Hamann AG

