Silversea Cruises: Advanced On-Board Hygiene with Aquaox ECA Systems

General Cleaning, Daily Disinfection & Fogging for Outbreak Control (Norovirus)

Silversea Cruises, a leading luxury cruise operator with global itineraries, implemented Aquaox ECA technology to enhance onboard hygiene and infection control.

The Challenge

Cruise vessels face rapid infection spread (e.g., Norovirus), requiring safe, chemical-free solutions for daily cleaning, food-handling zones, and rapid room disinfection, all while avoiding hazardous chemical storage.

Aquaox On-Board Solution

Aquaox installed compact units producing two powerful, ready-to-use solutions from water, salt, and electricity:

- **HOCl Disinfection Solution** – fast-acting, broad-spectrum, safe for all surfaces.
- **Alkaline Cleaning Solution** – effective for daily cleaning of public areas, kitchens, and galleys.

Fogging / Mist Application for Outbreak Control

During norovirus incidents, Aquaox HOCl is applied via fogging units to rapidly disinfect all areas from passenger suites to common spaces, ensuring full-room coverage without chemical residues.

Application Areas & Measured Impact

Guest Areas

- Daily cleaning & disinfection of all guest areas.

Food & Beverage Zones

- Safe for food-contact surfaces.
- Degreasing & disinfection in galleys.

Spa, Fitness & Public Spaces

- Safe for continuous passenger use.
- Eliminates odors, reduces chemical load.

Infection Response Protocol

- HOCl fogging for rapid disinfection after outbreaks.
- Faster cabin turnaround & recovery.

Application Areas on Silversea Vessels

Measured Impact at Sea

Improved Passenger & Crew Safety

- No harmful residues or hazardous chemical storage.
- Safe for all ship areas.

Operational Efficiency

- On-site production ensures reliable supply.
- Faster outbreak response.
- Reduced labor due to no-rinse disinfection.

Cost & Logistics Benefits

- Reduced reliance on shipped chemicals.
- Lower chemical waste.
- Simple handling for crew.

Environmental Stewardship

- Chemical-free hygiene aligns with sustainability goals.
- Zero chemical discharge into marine environments.
- Fully biodegradable solutions.

A Reliable Hygiene Partner for Global Cruise Operations

Aquaox strengthens Silversea's ability to deliver **luxury-level cleanliness and unmatched safety**.

> **"Aquaox allows us to maintain a pristine onboard environment with a safe, effective system that supports both daily operations and rapid disinfection during norovirus incidents."** — *Silversea Housekeeping & Sanitation Supervisor*

Why Aquaox Fits the Cruise Industry

On-site production eliminates chemical logistics.

Safe for guests, crew, and food surfaces.

Effective against norovirus and pathogens.

Supports sustainability & environmental standards.