

# CLEANTECH SOLUTIONS for river cruise vessels



Cleantech Solutions.  
Anywhere.

Vacuum collection  
Wastewater treatment  
Dry and wet waste treatment



# We know your industry

Evac is the world's leading provider of integrated waste, wastewater, and water management systems for the marine industry. Our Evac Complete Cleantech Solution offers unrivaled vacuum collection, wastewater treatment, dry and wet waste management, and freshwater generation.

## Bespoke solutions for ever-changing needs

With environmental legislation for waterways becoming ever stricter, we're committed to providing a range of solutions that comply with existing and new restrictions, helping to preserve vulnerable river ecosystems.

We are dedicated to meeting our customers' unique and varied requirements, right from the vessel construction phase. This is made possible by our broad offering, flexible processes, and commitment to providing services tailored to the needs of each individual installation.

Our solutions conform to the latest international environmental requirements, including International Maritime Organization regulations IMO MEPC.227(64) and IMO MEPC.244(66); our membrane bioreactors (MBR) also hold Rhein River and Russian River Register certificates.

### World-class technical support combined with proven technology

We are continuously developing new solutions and improving existing ones, and our specialists offer in-depth support to help you find suitable, cost-effective solutions to your specific challenges. Evac's safe, durable, and rigorously tested solutions deliver savings, with uninterrupted operation and lower maintenance costs.

As a specialist in river cruise vessels, we can help you find solutions that overcome the typical challenges of limited space and long, flat hull structures. And with our global network, accessing services and spare parts is quick and easy wherever you are.

# Evac Complete Cleantech Solution

When it comes to integrated water and waste management systems, Evac's Complete Cleantech Solution is a one-stop-shop offering that covers all your needs, setting us apart from the competition.

We serve you throughout the life cycle of your vessels. Using a single supplier for services and cleantech solutions simplifies coordination and integration during shipbuilding. And once they're installed, having a single point of contact makes managing and maintaining your systems easier and more efficient.

### Your reliable refit partner for a streamlined experience

We have considerable experience in refit projects, which are often needed due to the implementation of new regulations or vessel operating areas. Through careful planning and customization to fit systems within existing areas, our solutions ensure faster execution during ship operation.

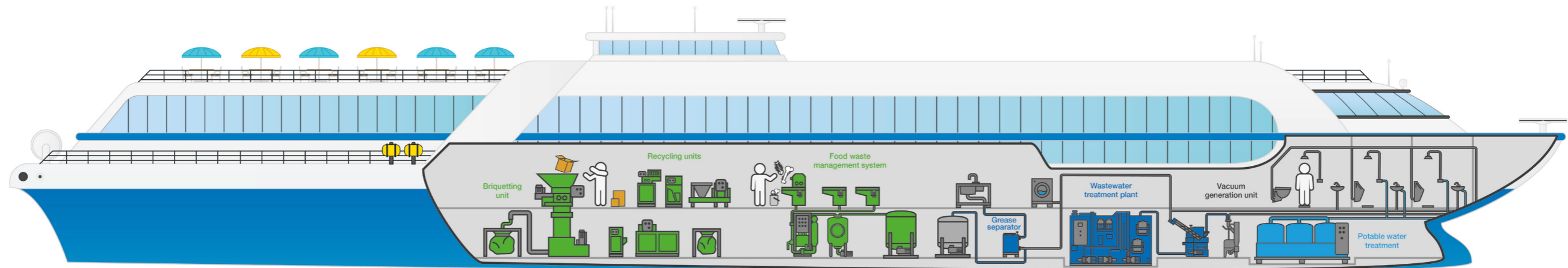
### Benefits of Evac's Complete Cleantech Solution

- Fewer partners simplifies communication and saves time on project coordination
- Familiar user interfaces and technologies make crew training more efficient
- Smoother system integration, management, and troubleshooting
- Single point of contact for after-sales service and spares simplifies management and maintenance



# Evac Complete Cleantech Solution

Evac's integrated solution with intelligent automation ensures easy operation, supervision, and maintenance.



## Vacuum collection

### Vacuum toilets

The Evac Optima 5 is the quietest toilet on the market, with innovative features such as vacuum guard, flushing memory, hygienic auto-flush, and soft-close seat. The product family also includes a vacuum urinal.

### Vacuum collection

The Evac OnlineMax R is the most powerful and energy-efficient online vacuum collection system on the market. In the double-stage vacuum system, the mixture of air and sewage is divided into separate phases. Each phase is handled by a separate specialized pump, making the system much more efficient.



## Wastewater treatment

### Advanced membrane bioreactor (MBR)

Our MBR has a compact design and boasts excellent treatment results. It doesn't need chemicals for normal operation, and it has low power and maintenance requirements. The system has Rhein River and Russian River Register certificates, it is also U.S. Coast Guard type approved and MEPC 227(64)-compliant with nutrient removal.



### Grease separator

The Evac EcoTrap effectively separates grease from galley wastewater and is available with six different capacities. A heater keeps the grease in liquid form, and it is then manually removed from the top holding bin. Automated grease removal is available as an option.

## Dry and wet waste treatment

### Cardboard baling press

The robust Evac UBP40 and UBP80 baling presses, with electromechanical drives, allow for easy maintenance and contain no hydraulics. They feature plug-and-play installation with automatic phase order control and automatic "chamber full" indication.

### Glass crusher

The Evac U80 glass crusher is a user-friendly solution for processing glass. Bottles are manually fed through the feed pipe, and the glass pieces are collected in a standard 80-liter wheelie bin. The crusher offers volume reduction of approximately 80%.



### Food waste management

The Evac OWMS system is designed for the hygienic collection and treatment of food waste in compliance with IMO Marpol 73/78 Annex V, U.S. Coast Guard, and other relevant regulations and standards.



# Service

## Close to you wherever you sail

Evac is your global service partner throughout the life cycle of your vessel. We have service hubs in North America and northern and southern Europe, and we offer a wide range of spare parts and exceptional service and a wide range of spare parts through our extensive global network of offices and representatives.

## We support you with:

- Engineering and technical supervision
- Installation and start-up
- Service and repair
- Service contracts
- Refurbishment and retrofit
- Spare and replacement parts
- Training and education
- Onboard system and spares analysis





Cleantech Solutions. Anywhere.



Read more about our references at [www.evac.com/references](http://www.evac.com/references)



Vacuum collection



Wastewater treatment



Ballast water management



Fresh water generation



Marine growth prevention



Dry and wet waste treatment\*



Corrosion protection

Evac is the world's leading provider of integrated water and waste management systems, as well as corrosion-protection systems, for the marine, offshore, and building industries. Our cutting-edge solutions and services have been helping leading global players in these industries to significantly reduce their environmental footprint for 40 years. With offices in 14 countries across four continents and representatives in more than 70 countries, we pride ourselves on being close to our customers wherever in the world they are located.

\* Solutions for building industry customers are sold by Bvac

Find our contact information at [www.evac.com/contacts](http://www.evac.com/contacts)  
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