



KOW Watertreatment Your Strong and Reliable Partner

Maritime Water Treatment Systems and Reverse Osmosis Plants



Reverse Osmosis and Water Treatment Systems

**KOW Watertreatment builds RO plants
for all types of ships and land based use**

Maritime application:



Cruise vessels



River Cruise
Vessels and
Ferries



Mega yachts



Research and
supply vessels



Cargo vessels



Military units

Land based application



Hotels and
holiday resorts



Golf Course



Industrial
applications



Agricultural
irrigation

KOW Watertreatment is one of the leading suppliers of Reverse Osmosis (RO) plants for the production of drinking water. The core of these water processing plants is reverse osmosis, that converts sea water into fresh clean drinking water with a reliable and highly efficient production process.



Portfolio

KOW Watertreatment builds standardized and customized RO plants to meet your specific demands for water

Water processing plants portfolio:



New buildings



Retrofits



Upgrades and
modernization



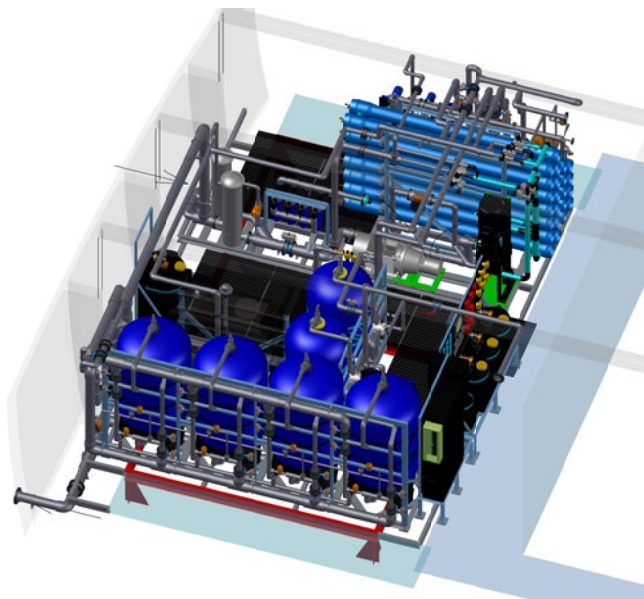
Container installation

Product portfolio:

- **Standardized low range** RO systems up to 100 m³/d production
- **Custom made and retrofit systems** are designed with a capacity up to 1.200 m³/d and higher.
- **Single stage** RO plants with energy recovery system
- **2nd stage** RO plants for higher water quality
- **3rd stage** RO plants for technical water
- KOW has also a long standing expertise in upgrading existing RO plants with **INTERSTAGE BOOSTING technology** to increase water production

All RO plants can be installed during the building phase and as retrofit during operation.

When retrofitting is chosen, the plant is brought on board as individual components and is put in operation within two to three weeks without the ship's service being interrupted.



Applications

KOW Watertreatment offers the full range of fresh water treatment in compliance with the US Public Health (USPH) Service and Vessel Sanitation Program (VSP) guidelines

Water treatments:



Fresh water treatment

- Mineralization
- Disinfection
- pH-control



Treatment for water distribution

- Chlorination
- pH-adjustment
- Distant point analyzing



Bunker water treatment

- UV-systems
- Chlorination
- Chemical dosing units



Softening systems

- Supplying laundries and galleys

Scope of worldwide services:

- Commissioning
- Annual plant service, maintenance and repair
- Inspections according USPH regulations
- Performance optimizing, trouble shooting
- Crew training
- Spare parts

Spare Parts Delivery and Services

- Spare parts for KOW-RO plants and water treatment systems as well as for all other common brands
- RO pressure vessels and membranes
- Fresh water pumps (also high pressure)
- Piping material of stainless steel and plastics
- Valves and flaps
- Heat exchangers
- Cartridge and multimedia filters
- Dosing units
- Measurement equipment
- Electrical spare parts
- etc.



TradeNet
#238291

KOW Watertreatment
is a supplier on ShipServe
www.shipserve.com

KOW – Part of the Group

Since 2018 KOW Watertreatment GmbH, founded in 2010, is part of the KF Group which employs some 250 staff in 15 companies.

The family run group focusses on environmental technology to prevent and remove pollution in soil, water and air.

KOW constitutes together with Harbauer, WEIL, ROWA and GEH the KF Group's water treatment plants and technology business.

The KF Group offers a wide range of services from water treatment solutions to securing the water supply such as ground water decontamination, process water treatment, desalination of sea water and ultra pure water production.

KOW utilizes this pool of expertise, experience and engineering competence gained in over 30 years of successfully serving customers, to provide the best solution and state-of-the art technology for water treatment applications.



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KOW Watertreatment GmbH

Robert-Koch-Straße 35 a
D-22851 Norderstedt
Phone +49 40 851 59 45-0
Fax +49 40 851 59 45-20
info@kow-watertreatment.de
www.kow-watertreatment.de



KF Unternehmensgruppe

KF Beteiligungsgesellschaft mbH

Oderstraße 188
D-12051 Berlin
info@kf-gmbh.com
www.kf-gmbh.com

