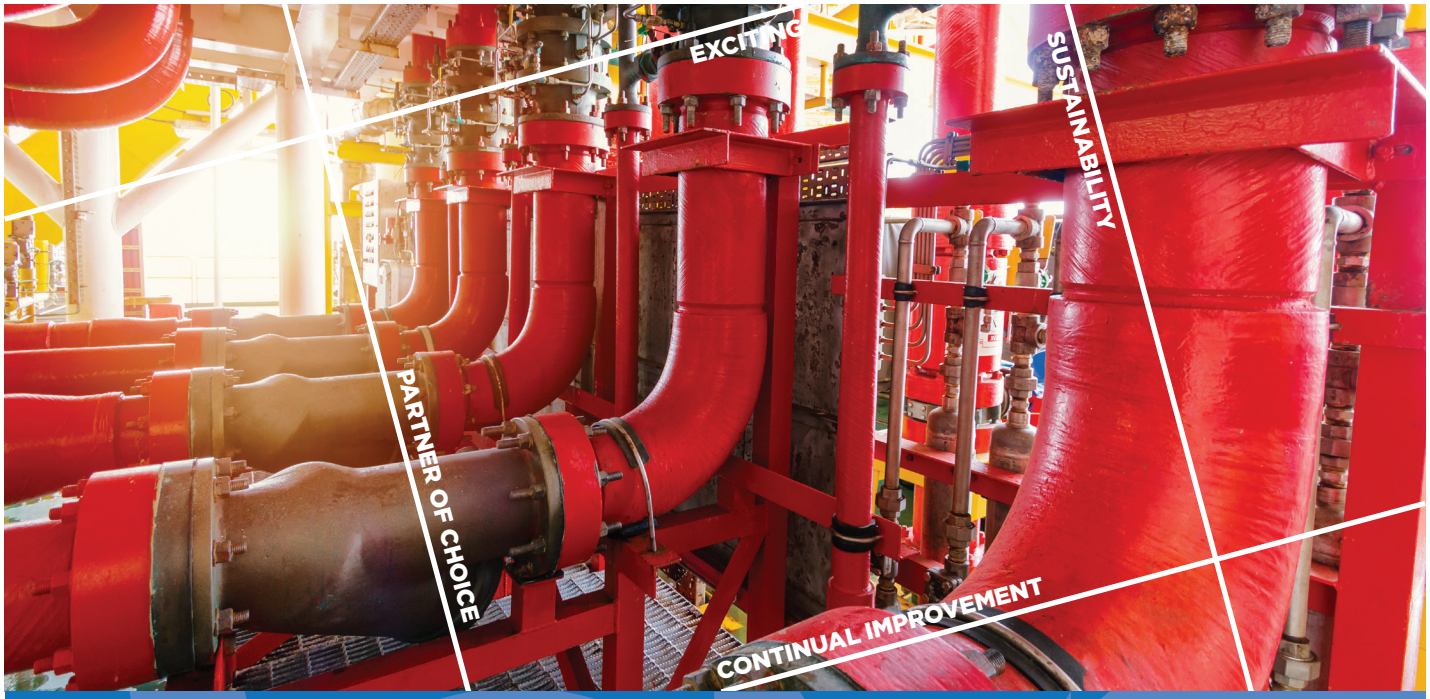
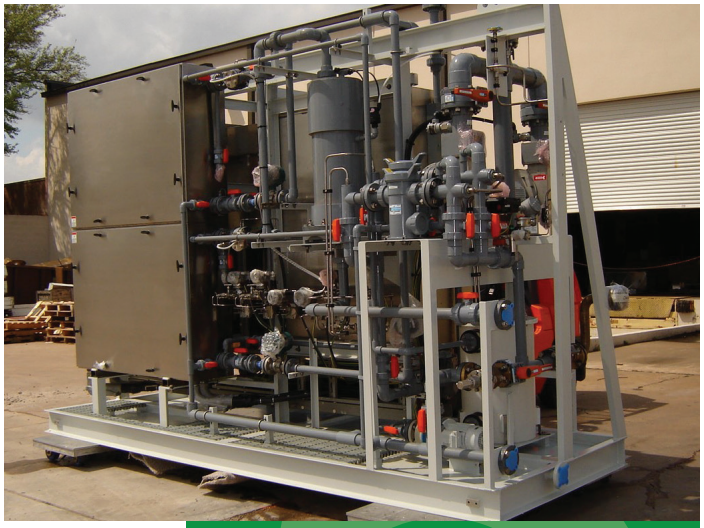


SANILEC® TRP Electrochlorination System

New Proactive Solution to Biofouling Control

Efficient and safe designs with reduced maintenance requirements.

DE NORA



Marine growth reduces your system's efficiency, leads to equipment damage, and compromises safety.

Unplanned maintenance greatly impacts your bottom line.

SANILEC® TRP System Advantages

SUPERIOR DESIGN

Optimum self-cleaning cell design

Minimal operation and maintenance requirements

Once-through flow design eliminating recycle requirements

Customized layout to meet site-specific requirements

Guaranteed lowest power consumption

RELIABILITY

Guaranteed active life of DSA® electrodes

Long operating life with minimal downtime

Control system ensures proper and safe operation

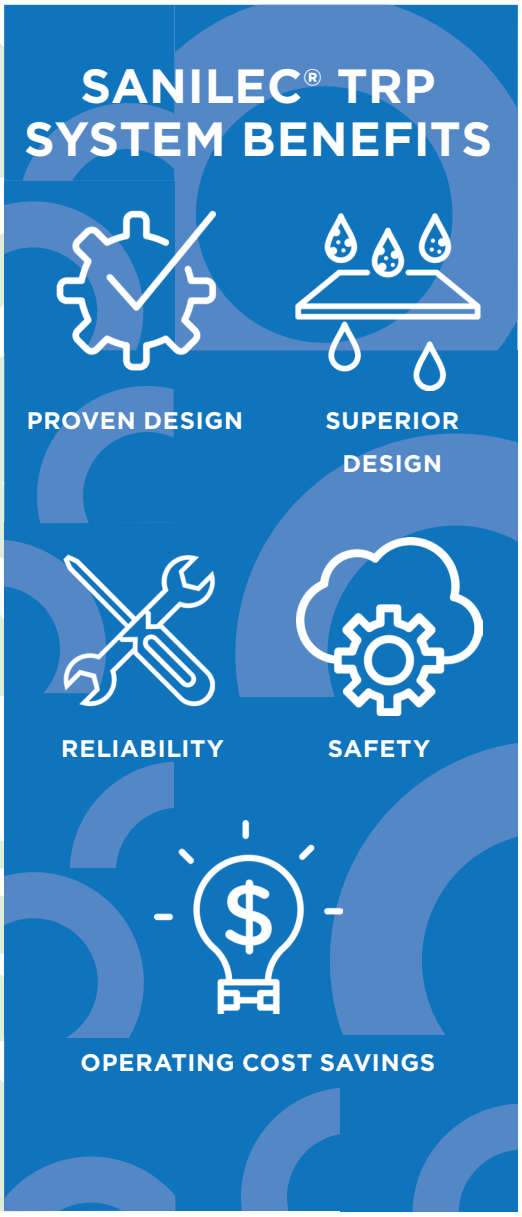
Eliminates need for chemical cleaning

SAFETY

Low-strength sodium hypochlorite solution is non-hazardous, safe and easy to handle

Automatic operation eliminating the potential for operator error

Safe hydrogen removal process



SANILEC® TRP systems are the standard and preferred electrochlorination system for marine biofouling control in offshore, as well as power and coastal applications.

De Nora has been the world leader for seawater electrochlorination systems for more than 40 years, with more than 400 installations in 60 countries, producing more than 65% percent of the world capacity for this type of technology. Combined with almost 100 years of electrochemistry experience and anodic coating development, De Nora introduces its latest innovation – a truly self-cleaning cell.

SANILEC® TRP seawater electrochlorination systems use a simple and straight forward electrolytic process, combining two common consumables (seawater and electricity) to economically and safely generate this critical hypochlorite solution for the marine, offshore and industrial market. As with other similar technologies, De Nora electrodes require frequent chemical cleaning to maintain and extend their service life. Our patented self-cleaning technology eliminates the need to purchase, storage, handle hazardous chemicals for maintenance – a true cost savings benefit to your bottom line.

SANILEC TRP SYSTEM APPLICATIONS

Fire Water Systems

For Use on Pump Caisson and Loop Antifouling

Biofouling must be considered by offshore facilities using seawater for their firewater systems so that restrictions like mussels and algae in flow do not compromise the performance of the vital safety equipment. De Nora offers skid-mounted systems that produce sodium hypochlorite for continuous dosing of jockey pump caissons and for intermittent shock dosing of firewater pump caissons. Shock dosing keeps the firewater pump caissons clean and free from macrofouling while also ensuring the firewater main loop is algae and slime free.

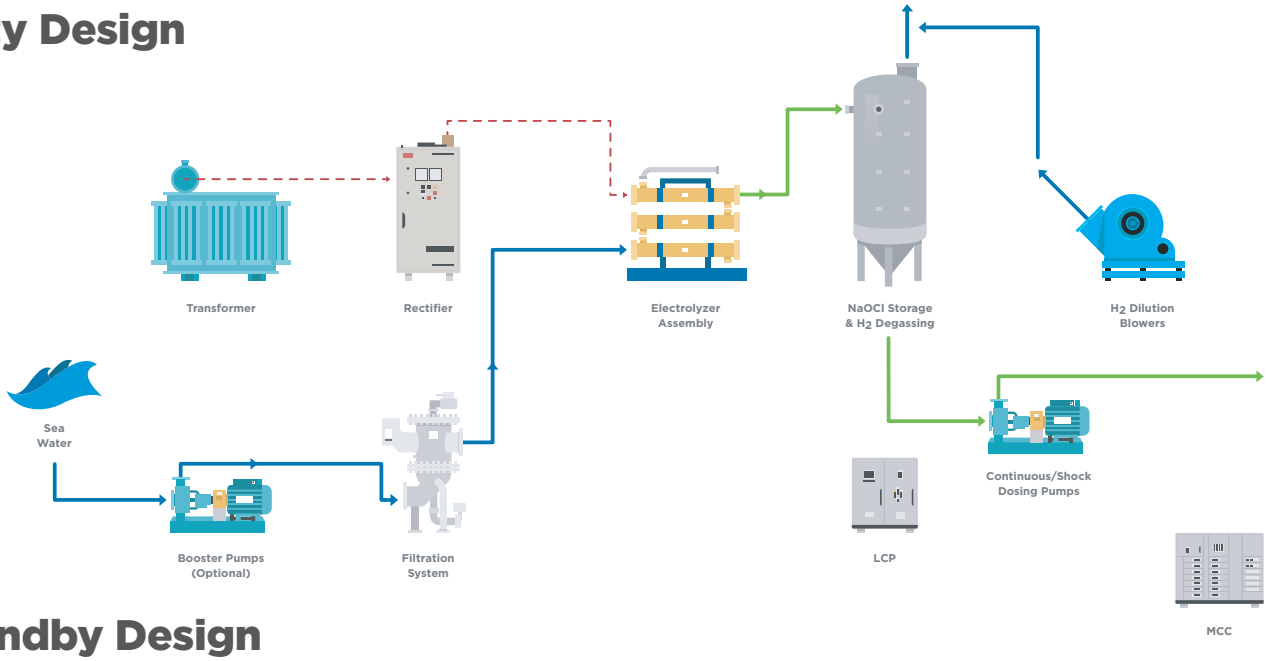
Cooling Water

For Use on Vessels, Oil & Gas Facilities and Sea Chests

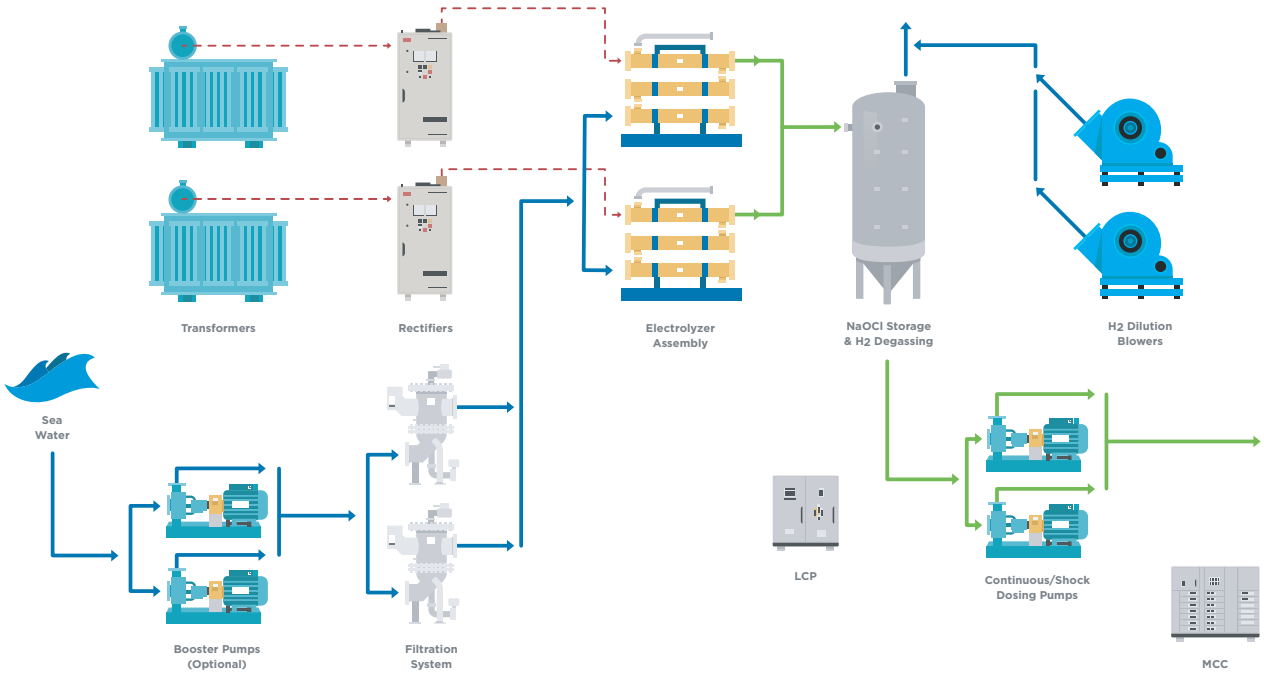
In applications where seawater is used for cooling, biofouling or marine growth reduces the efficiency and life of process equipment, and increases the frequency of maintenance. De Nora offers a skid-mounted system that receives seawater at a fixed flowrate and produces sodium hypochlorite at a concentration of 80 to 1280 ppm that can then be injected at any point within the vessel.

How SANILEC® Systems Work

Duty Design



Standby Design



Aftersales services from De Nora

- Installation supervision
- Experienced field service technicians for start-up and commissioning
- Preventative maintenance, service and OEM spare parts agreements
- Operator training services
- DE NORA VIA™ Remote Support

Standard Features

- 1 x 100% train
- Simplex strainer
- Flow Transmitter with local indication
- Transformer: Air cooled, NEMA 4X enclosure
- Control/Rectifier Panel: PLC, HMI, main circuit breaker, NEMA 4X enclosure
- SANILECTRP Self-Cleaning Electrolyzer
- Hydrogen degas vessel
- Duty, Standby H2 dilution blowers

About De Nora

Backed by 100 years of experience, you can be confident in the reliability and safety of SANILEC® systems. De Nora is the partner-of-choice for communities and companies around the globe. In fact, more than 500 million people around the world drink water treated by De Nora products every single day.

info.dnwt@denora.com **www.denora.com**

DE NORA *discover more*

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