

BLUENWATER

Water Resource Independence Platform

CLEAN WATER SMART PROCESS. SUSTAINABLE FUTURE.

Chemical-free water & fluid treatment
Technology for better tomorrow



RaDX Water Treatment

RaDX catalytic generates OH radicals through AOP, enabling powerful purification to reach target quality.



C-AOP



Low-Chemical



Purification



OH Radical



Cutting Fluid Conditioner

Prevent spoilage and contamination of water-based cutting fluids, extending their service life.



Reusable



Purification



Safe



RaDX Catalyst and Media

Advanced catalyst and filter media for purification, disinfection, and contaminant removal.

2Y

Service life



Low-Chemical



Purification



OH Radical



Modul & Mobile Type

Modularized for large-scale applications, the system enables fast on-site deployment and efficient water purification.



Low-Chemical



Mobile



Purification



Modularized

BLUEN WATER



Industrial
Water



Cooling
Fluid & Water



Waste
Water



Mobile Water
Purification



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TECHNOLOGY & SOLUTION

Engineered Catalytic Reaction

RaDX Blue Multi-Contaminant Catalytic Media

Designed for disinfection, odor removal, persistent compound degradation, and metal recovery in food processing water, industrial wastewater, and BLUE BOX pretreatment systems.

RaDX Red Color Reduction and Decolorization

Developed to support color reduction and decolorization for pigment-based organic compounds, food process wastewater, and high-color industrial wastewater.

C-AOP Value



Low-Chemical

Catalyst-based process reducing reliance on chlorine, ozone & acids



Low-Power

Minimizes power use beyond the reactor stage



Safe Operation

Reduces chemical storage, leakage, and exposure risks



Scalable

From compact systems to food plants

Core Value

01



C-AOP(Advanced Oxidation Process)

OH radical reaction technology for disinfection, odor control, and contaminant degradation.

02



Complex Filtration

Multi-stage filtration using PE chambers, rope media, PVDC Bluechip Media, and UF.

03



Modular Integration

One-plate modular structure for easy vehicle loading, unloading, and reinstallation.

04



O&M Model

Recurring service model through sales, rental, media replacement, and outsourced operation.

PROJECT

BLUENWATER



RaDX Water treatment

A catalytic water treatment technology that uses oxidation-reduction reactions to deliver cleaner water with reduced chemical dependency.



RaDX Cutting fluid conditioner

Products made of special alloy material. The RaDX acts a sterilization, odor removal, rust prevention and improving emulsification etc. without any second pollution.



'BLUE BOX' Mobile type Purification System

Designed as a modular and mobile system for large-scale applications, it enables fast on-site deployment and efficient water purification.

CORE COMPETENCY

Introduction to RaDX Materials and Technology



RaDX Technology

RaDX catalytic media supports advanced oxidation for disinfection, deodorization, organic contaminant removal, scale prevention, and corrosion inhibition.

