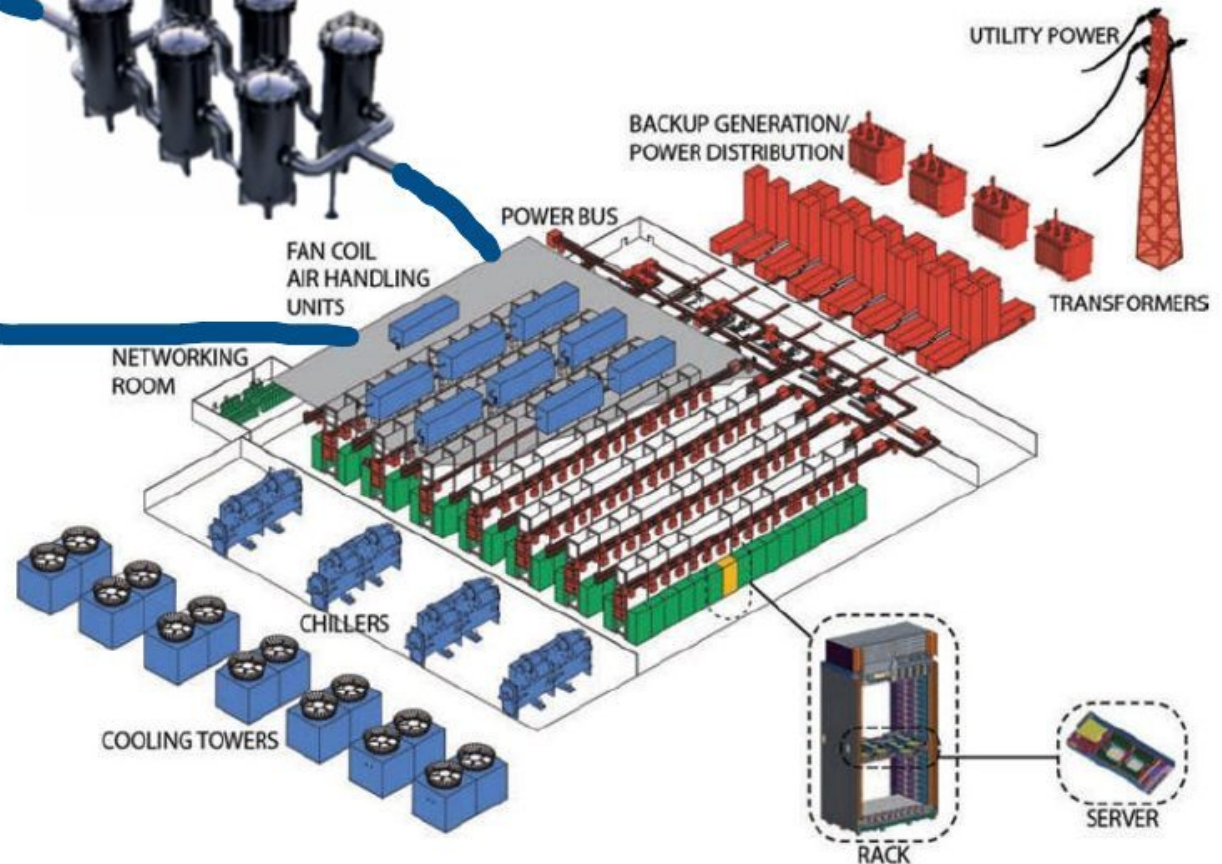


Fresh Water Source
Tanks – Pond – River
Lake – Well - Municipal

CleanWater Systems
Modular, Scalable. No Wastewater.
No Chemicals. No electricity.
No environmental impact or fines.

CleanWater Systems are a close-looped system; renewing, refreshing and reusing the same water. Our systems can be customized to ensure consistent high-quality water.

Removal of potential bio-foul, calcium carbonate deposits, water source bacteria (if untreated), PFAS, PFOA, PFOS, heavy metals and more. No chemicals. No electricity.



CleanWaterCleanAir™
Drink Clean – Breathe Clean – Sleep Well

CleanWaterCleanAir.com
email: MoreInfo.CWCA@gmail.com
www.CleanWaterCleanAir.com



Water: Clean, as nature intended. Air: Bringing the outdoor freshness inside.

Contaminant	UF	IX	RO	EVAP	Toppen
Removes PFAS/PFOS/PFOA	No	No	Yes		Yes
Removes Bacteria	Yes	No	Yes		Yes
Destroys TEP'S (biofilm)	No	No	No		Yes
Removes heavy metals	No	No	Yes		Yes
Removes particulates	Yes	No	Yes		Yes
Removes pharmaceuticals	No	No	Yes		Yes
Prevents scale attachment	No	Yes	No		Yes
Reduces TDS/Scale	No	Yes	Yes		Yes
Removes pesticides	No	No	Yes		Yes
Removes Virus	No	No	Yes		Yes
Removes chlorine/Chloramine	No	No	No		Yes
High maintenance costs	Yes	Yes	Yes		No
Creates waste water	No	Yes	Yes		No
Creates corrosive water	Yes	No	Yes		No
High maintenance time	Yes	Yes	Yes		No
High Capital Cost	Yes	Yes	Yes		No



Compliant
NSF Standard 42
Class I Particulates
Cysts, Extraction



Compliant
NSF Standard 53
(PFOA/PFOS) less than 20 Parts Per
Trillion
(10PPT PFOA/10PPT PFOS) Chlorine
Reduction Extraction



Compliant
NSF Standard 61
Extraction and Pressure



Compliant
NSF Standard 372
NSF Lead-Free

**Other systems separate toxins, dumping them back into the environment.
We removes toxins from water and the environment.**

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Any fresh water source is an option – lake, river, retention pond, storage tanks, etc. Our process delivers water, essential for cooling at any specified flow rate. All water discharged is then treated, returned to its prior state – but cleaner – and delivered back to its source at the original temperature.

Site conditions vary. All designs are custom; exploring environmental impact reduction, maximum efficiency and site advantages. Our systems eliminate wastewater and other environmental concerns.

Speed to market, managing water usage, cooling and reducing environmental impact are Toppen's highest priorities. No other system comes close to our performance, price advantages or your savings with our systems. No waste-water.

Our CleanWater systems are capable of being scaled to any size or capacity – industrial, municipal or data centers. Our systems not only clean the water coming into your home, office, business or space – but we can clean the waste-water on the way out – eliminating fines.

Work with our engineers to design a system that eliminates 'allowable toxins' and wastewater fines. Dilute the pollution away with CleanWater.

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Water: Clean, as nature intended. Air: Bringing the outdoor freshness inside.

Space Station Technology – Solving Earth Problems.

Closing the Loop: Regenerative Water Treatment Opportunities

Regenerative Carbon Technology for Sustainable Wastewater Treatment

Our Closed-Loop Systems apply advanced, in-situ carbon regeneration processes to capture, restore, and reuse filtration media—delivering high-performance contaminant removal without the waste, chemicals, hauling costs or inefficiencies and liabilities of traditional systems.

KEY DIFFERENTIATORS

- Closed-Loop System – Minimizes or eliminates carbon disposal and transportation costs
- Reduced Operating Costs – Less media replacement and handling
- In-situ regeneration eliminates RCRA liability in hazardous waste hauling
- Lower Environmental Impact – No landfill waste, reduced chemical usage
- High Contaminant Removal – Effective on emerging contaminants (PFAS, pharmaceuticals, micro plastics)
- Scalable Design – Applicable across industrial, municipal, and commercial systems

MARKET CONTEXT

Industrial / Commercial Opportunity: \$20B+ global market 6–7% CAGR growth

Driven by:

- Sustainability mandates
- PFAS / emerging contaminant regulations
- Infrastructure modernization
- Water reuse initiatives

From Zero Waste to Wastewater Solutions—CleanWater delivers a complete, sustainable water life-cycle strategy.

CleanWaterCleanAir™
Drink Clean – Breathe Clean – Sleep Well



HOW IT WORKS

Capture: High-surface-area carbon adsorbs contaminants including PFAS, VOCs, metals, and organics

Regenerate: Carbon is restored through proprietary regeneration process (thermal / oxidative / advanced oxidation)

Reuse: Media is returned to service—eliminating constant replacement and waste streams

Repeat: Continuous cycle reduces operating cost and environmental impact

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Cleaning the environment, one system at a time.