

Mission

**Complete Water Purification with Sustainable, Economic & Environmental Advantage
Better Water at Lower Cost**



Proven Competitive Advantage

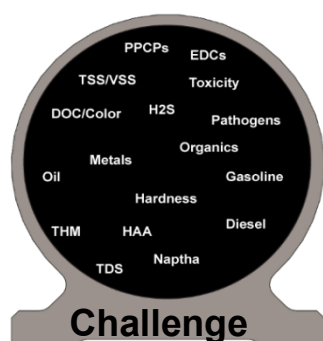


Company

Purifics; est. 1993, is a fluid purification technology-based business that provides Complete Water Purification Systems based on its FDR (Filter Destroy Recover) technology. These systems eliminate or reduce; chemicals, consumables, complexity, footprint, dependencies, and pre & post treatment. This provides dramatic reductions in lifecycle cost (CapEx and OpEx). The technology of our products was established by solving difficult water challenges for the Nuclear & Remediation industry and today solves Municipal & Industrial water purification challenges. Purifics' complete water purification systems are low carbon and sustainable green solutions with a proven track record of meeting water purification needs effectively with unmatched durability, efficiency, and reliability. The company holds 36+ Patents, Patents pending, Trademarks, Trade Secrets and has over 30 years of Application Experience in Industrial, Municipal and Reuse sectors.

Purification Capability

Why treat when you can **purify** water (fluids) by removing: Chemicals, Metals, Turbidity, Bacteria, Viruses, Oil, TSS, TOC, BOD, COD, DOC, Color, Taste, Odor, Hardness, TDS, EDCs, PPCPs, TTHM & HAA Precursors, PFAs. etc.





How Purification Is Achieved, Technology & Services

Cuf® a high-performance continuous ultra-filtration system that uses SiC ceramic membranes and concentrated sweep floc coagulation to remove multiple contaminants in a single platform process. It reduces footprint, complexity and chemical use, while eliminating the need for pre-treatment & membrane replacement.

SRU® is a fully automated, chemical-free solids recovery system that enables true Zero Liquid Discharge (ZLD), offering a sustainable and efficient solution for water efficiency and waste elimination.

Photo-Cat® is a Chemical Free Photocatalytic AOP+ system that has the highest oxidation capability that destroys chemicals other AOPs cannot.

Concentrated Sweep Floc is a proprietary process that has 3 times the efficiency of DOC removal versus traditional Coagulation. This allows drinking water plants to revert to free chlorine and eliminates Jar Testing.

Dynamic Shock is a proprietary technology that eliminates backwash, pre-treatment, and allows sustained membrane flux.

SiC Ceramic Membrane is 5th generation membrane that operates at 5X the flux of conventional (composite ceramic/polymeric) membranes at the same operating parameters in the range of 250 – 500 GFD.

Marker Based DIT is a rapid ultra low-cost Challenge / DIT test. It is simple. It is an absolute test. It is not based on a number of theoretical assumptions as it is the case with bubble decay testing.

Full Automation With Remote The plant runs itself and only needs to be monitored, not controlled.

PCAS Precise Chemical/Carbon Addition System eliminates costs, hazard and performance issues.

Turn-key Plant Equipment Solutions

Purifics develops, designs, and manufactures systems that completely solve your complex water challenges with technologies that promote sustainable risk-free technologies. Our solutions simplify operations, prevent waste, enable product recovery, and support long term environmental leadership. Purifics systems consistently exceed client standards, regulatory requirements, and certifications in a variety of municipal and industrial markets globally. Just add Bricks and Mortar and you have a complete turnkey solution.

Bench & On-Site Verification Facilitated

Bench tests provide clients the opportunity to validate feasibility at no risk. On-site pilot Verification programs use our mobile water purification platforms (5 available) to validate the solution, eliminate risk, facilitate regulatory approval, quantify full-scale design/cost, and train staff.

Customer Satisfaction is our Goal

In every project Purifics takes on, our goal is to solve the client's unique set of challenges. Our after-sales Worldwide Support (WWS) program is flexible and tailored to each customer's requirements. Purifics installed customer base exceeds 75 system installations globally.

