

PFAS TREATMENT SOLUTIONS

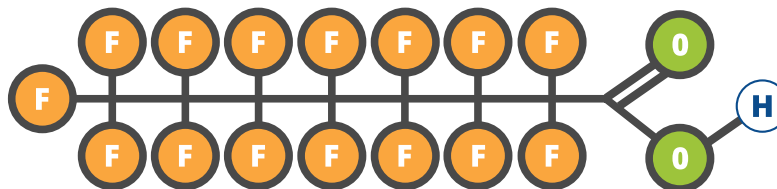
The EPA has stated that PFAS chemicals pose health risks at levels so low they cannot currently be detected. Municipalities, private water utilities, and industry are facing the fact the PFAS contaminant is real, striving to protect a concerned and aware public, and overwhelmed in a maze of regulation and potential solutions.

“The lower the level of PFOA and PFOS, the lower the risk to public health.”

– EPA Press Release, June 15, 2022

With over 1,100 water treatment systems treating a variety of contaminants installed and operating since 2002, ChartWater’s AdEdge Water Technologies has extensive experience with effective methods for removing PFAS from water and can help be your guide to address PFAS. AdEdge combines our proven PFAS treatment solutions with our matrix of treatment technologies to provide a complete treatment system, including pre- and post- treatment as needed, to best fit the application and optimize the total life-cycle cost.

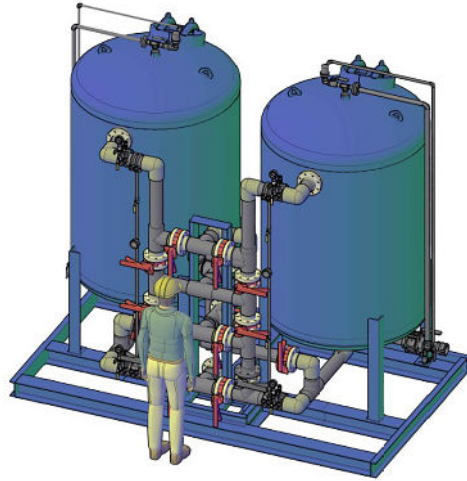
FLUORO-SORB MEDIA	ION EXCHANGE
<ul style="list-style-type: none"> • High capacity for PFAS • Short EBCT of 2-3 min resulting in compact footprint • Excellent performance even in presence of TOC, TDS, and free chlorine 	<ul style="list-style-type: none"> • High capacity for PFAS • Short EBCT of 2-3 min resulting in compact footprint • Minimal start-up wastewater volumes and no backwashing
GRANULAR ACTIVATED CARBON	FLOW REVERSAL RO
<ul style="list-style-type: none"> • Proven PFAS removal and widely accepted • Addresses other water quality parameters as needed (TOC, T&O, VOC’s) • Non-leaching 	<ul style="list-style-type: none"> • >99% PFAS rejection • “Flow Reversal” technology results in higher water recovery rate possible • Multiple contaminant removal solution



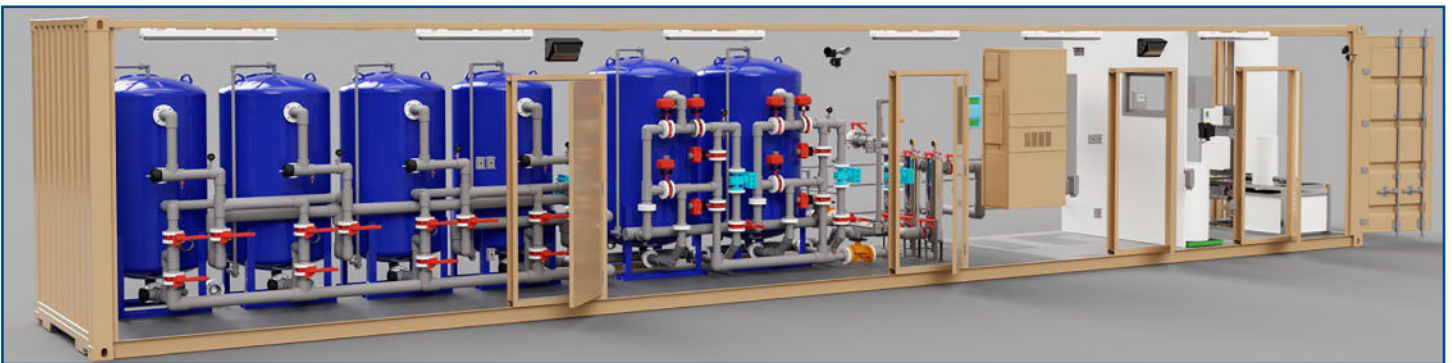
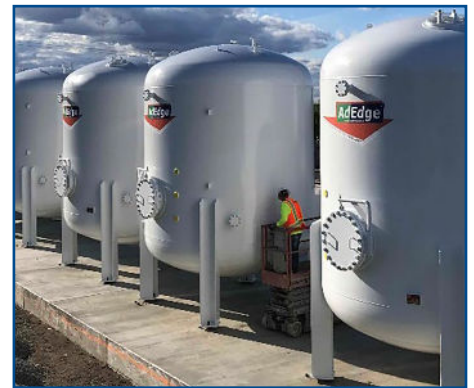
AEDGE EXPERTISE IS THE KEY

There are many suppliers simply providing equipment that can be used for PFAS treatment but cost effectively treating PFAS requires a more thorough understanding of how to combine process design and equipment design, since each potential solution has advantages and limitations and there is no “one size fits all” approach. AdEdge has the expertise and experience to guide you to the solution with the lowest total life-cycle cost – considering all aspects of the project, including site limitations, water quality, and permit requirements.

AEDGE TREATMENT SYSTEMS



- Any size system and flow rate
- Skid-mounted, modular, and containerized systems available
- Standard designs or customized solutions to meet site-specific constraints
- Pre-and-post treatment processes and equipment for multi-contaminant removal challenges
- Treatment as a Service (TaaS) options (systems for emergency treatment with a monthly fee)



AdEdge Water Technologies, LLC is a Chart Industries Company. ChartWater™, a division of Chart Industries, Inc., is a global manufacturer and service provider of engineered solutions for municipal water treatment and industrial process applications with over 1,100 water treatment systems in 22 countries. Chart Industries, Inc. (NYSE: GTLS) is a leading independent global manufacturer of highly engineered equipment servicing multiple applications in the Energy, Water, and Industrial Gas markets.