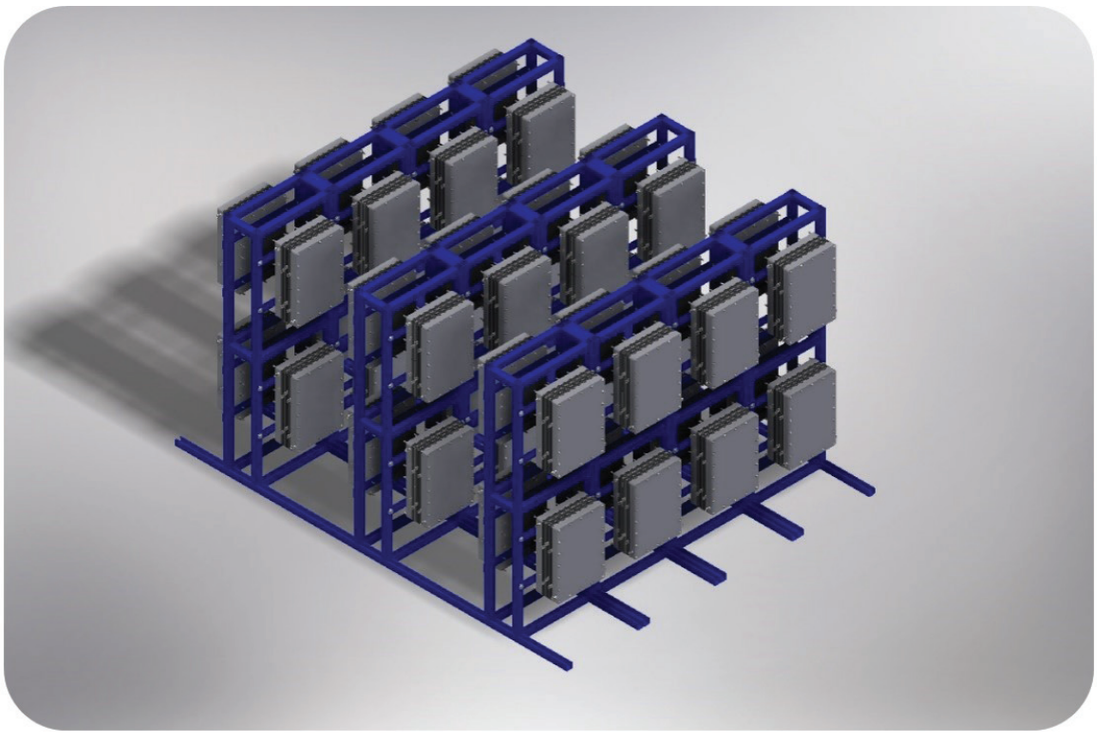
AEC
AQUEOUS ELECTROSTATIC CONCENTRATOR



The Aqueous Electrostatic Concentrator (AEC) is a patented treatment system capable of removing over 99% of PFAS from aqueous solutions in a single pass with low contact time. The system's unique design handles **groundwater, surface water, or wastewater from influent sources or operates as a mobile pump-and-treat groundwater remediation process.** The optional Service Exchange Program offers all the benefits of removal without the headaches of disposal. The BioLargo AEC selectively targets and removes PFAS compounds from source streams with minimal disruption to the base water chemistry.

The AEC's modular design provides a small footprint, and low energy consumption, that can be **skidded, trailer mounted or custom configured** to fit into existing spaces. Unlike traditional removal technologies, this non-carbon based treatment option is highly tolerant of TSS and TDS

Treatment Module

- 99.9% removal in a single stage
- Low energy
- Low O&M costs
- Low Contact Time
- Non-Carbon based
- Minimal Waste
- Skidded or Trailer mounted

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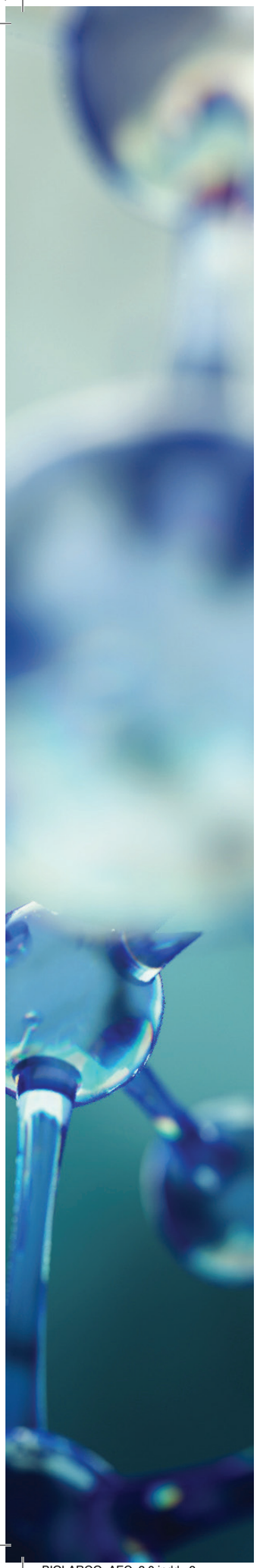

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The technology exploits the polar behavior of the PFAS molecule to optimize removal while minimizing waste. The system uses a proprietary process to collect and retain the PFAS compounds. After an extended operating life, modules are exchanged through a service program that handles the disposal of the PFAS laden waste.

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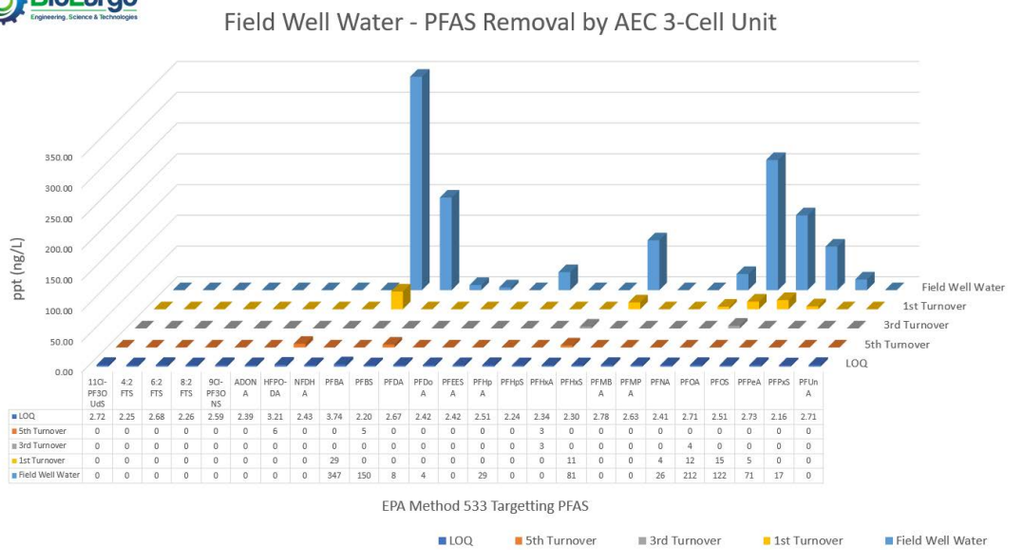
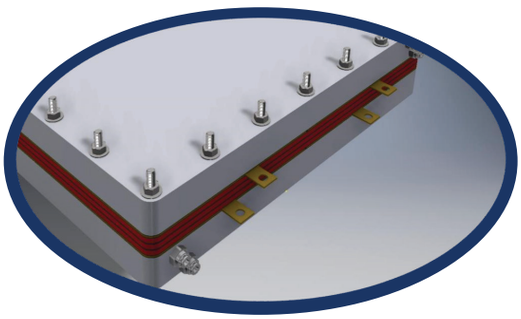


	11Cl-PF3OUdS	4:2 FTS	6:2 FTS	8:2 FTS	9Cl-PF3ONS	ADONA	HFPO-DA	NFDHA	PFBA	PFBS	PFDA	PFDoA	PFEESA	PFHpA	PFHpS	PFHxA	PFHxS	PFMBA	PFMPA	PFNA	PFOA	PFOS	PFPeA	PFPxS	PFUnA
LOQ	2.72	2.25	2.68	2.26	2.59	2.39	3.21	2.43	3.74	2.20	2.67	2.42	2.42	2.51	2.24	2.34	2.30	2.78	2.63	2.41	2.71	2.51	2.73	2.16	2.71
5th Turnover	0	0	0	0	0	0	6	0	0	5	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
3rd Turnover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	4	0	0	0	0
1st Turnover	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	11	0	0	4	12	15	5	0	0
Field Well Water	0	0	0	0	0	0	0	0	347	150	8	4	0	29	0	0	81	0	0	26	212	122	71	17	0

Tests have shown that the AEC can treat 1,000,000 gallons of water contaminated with 70 PPT of PFAS and collect the contaminant on 12 grams of waste material at a cost of $0.06/1000 gallons.



Influent Gallons per Minute (GPM)	Estimated Foot print (Ft)	Estimated Disposal Weight (lbs) when spent
50	10x12x10	85
100	12x12x10	170
300	15x15x10	510
1,000	20x20x10	1,700
10,000	60x70x12	17,000

BioLargo, Inc.
14921 Chestnut Street
Westminster, CA 92683

Phone: (888) 400-2863
Email: info@biolargo.com
www.biolargo.com

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