



PFAS Services US Department of Defense



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We Believe the World Needs Better Ways to Treat PFAS

Separate > Concentrate > Destroy

ECT2's patented, regenerable IX resin technology is highly effective at capturing both short & long chain PFAS compounds, virtually eliminating media changeout and minimizing operating expenses. This concentrated PFAS waste stream, in the form of still bottoms, partners perfectly with PFAS destruction technologies by minimizing the required energy consumption and operating costs associated with PFAS destruction. When combined with our SuperLoader™ technology, a low-volume, highly concentrated PFAS waste is generated with a concentration factor of greater than 1,500,000:1.

Since 2017, our landmark regenerable IX resin system at the former Pease AFB has demonstrated our technology's treatment effectiveness, including lifecycle cost reduction, zero off-site waste, and sustainability benefits. Our regenerable IX process is patented in the U.S., Europe, Australia, Canada, and Japan.

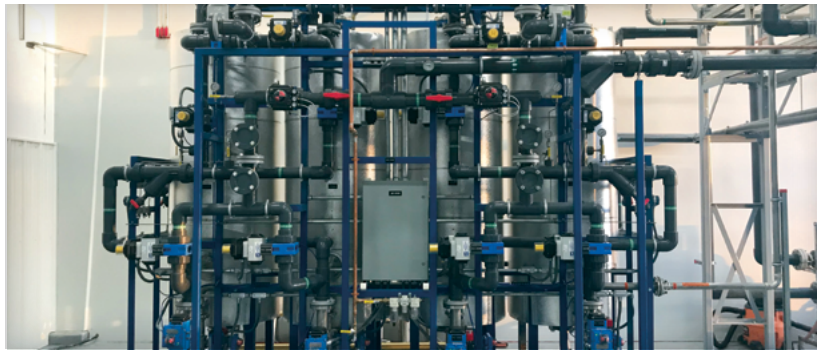
PFAS Capabilities & Products

- Patented, regenerable IX resin systems
- Single-Use IX and GAC systems
- Soil washing treatment
- AFFF cleanout and treatment
- Foam fractionation systems
- Containerized treatment systems
- On-site pilot testing
- In-house treatability testing
- Pairs with destruction technologies



Comprehensive PFAS DoD Services

- Remedial Investigations
- EE/CAs / Feasibility Studies
- Full R&D Lab
- PFAS sampling
- Accredited PFAS Laboratory Analysis
- Engineering Design Teams
- Construction and Field Services
- Quality LTM & O&M Support Services



About ECT2

ECT2, a Montrose Environmental Group company, is a leading provider of technology solutions for removing difficult-to-treat contaminants from water and vapor using a proprietary, cost-effective approach that leverages the properties of synthetic resins to enable efficient analyte removal and on-site regeneration.

Our name stands for Emerging Compounds Treatment Technologies – because from the very beginning, we've been committed to finding new and better ways to take on new and concerning contaminants.

With successful applications deployed around the world for water and vapor contaminants – including per- and poly-fluoroalkyl substances (PFAS), 1,4-dioxane, and specialty Volatile Organic Compounds (VOC) – ECT2's systems have achieved industry-leading uptime and delivered contaminant removal to concentrations well below regulators and client, specified limits.

2016



- ECT2 founder invents & patents system to regenerate IX resin used in PFAS clean-up.
- Sustainability & incineration-free goals met.

2017



- U.S. DoD awards ECT2 design & fabrication of PFAS regenerable IX resin system (Pease AFB).
- Australian DoD awards first of four PFAS regenerable IX systems. First system completed mid-year.

2018



- Australian DoD awards second, third and fourth regenerable IX systems.
- All Australian systems fully operational.
- Pease system fully operational.

2019



- ECT2 is acquired by Montrose Environmental.
- ECT2 expands services to industrial projects.

Federal Client Portfolio

U.S. Army

U.S. Army Corps of Engineers (USACE)

- Baltimore District
- Jacksonville District
- Louisville District
- Mobile District
- Nashville District
- Philadelphia District
- Savannah District
- Tulsa District

U.S. Air Force (USAF)

- Air Force Civil Engineering Center (AFCEC)
- 772d Enterprise Sourcing Squadron (772-ESS)

U.S. Navy

Naval Facilities Engineering Command (NAVFAC)

- NAVFAC Southeast
- NAVFAC Mid-Atlantic
- NAVFAC Washington
- NAVFAC Southwest

General Services Administration (GSA)

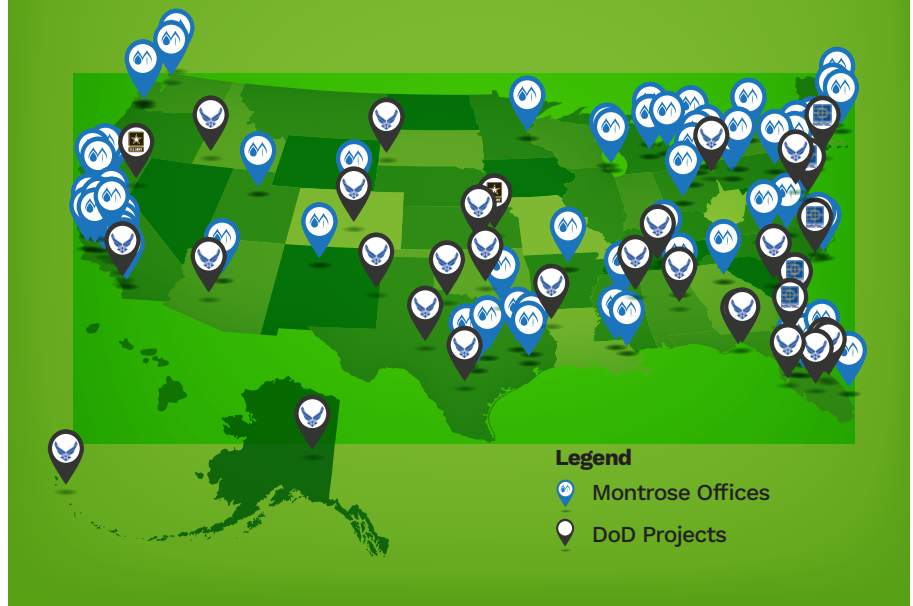
PFAS Projects

- 350+ PFAS Systems Installed
- PFAS Projects in 6 Countries
- PFAS projects at 34 DoD bases



Locations

Montrose is headquartered in Little Rock, Arkansas, with over 2,500 employees and 75 offices in the U.S., Canada, Australia, Germany, and Sweden.



2020

- Montrose Environmental becomes publicly traded on the NYSE.
- ECT2 establishes presence in Europe.

2021

- ECT2 begins design for a confidential industrial partner - to design and build the three largest and most complex PFAS industrial treatment systems in the world.

2022

- ECT2 opens second R&D Lab, for in-house bench scale tests, developing and optimizing PFAS and other emerging compound treatment technologies.
- 95% construction complete on first of three systems at confidential industrial partner site.

2023

- ECT2 selected for Phase 1 DIU solicitation -for pairing regenerable IX resin with PFAS destruction technologies.

PFAS Solutions: ECT2 is the Clear Choice

At ECT2, we are a customer-centric, technology agnostic company focused on designing custom treatment systems tailored to your treatment objectives and project goals. We combine advanced treatment technologies, unmatched real-world experience, and a relentless pursuit of excellence to deliver impressive results whether your biggest challenge is the contamination itself, site restrictions, timeline pressures, a very public spotlight—or all of the above. With a broad range of both patented and widely used treatment options and a deep familiarity with solving critical water treatment challenges, ECT2 is able to address not only PFAS, but other contaminants such as 1,4-Dioxane, solvents and metals in water. We reliably treat recalcitrant compounds to very low concentrations, often to non-detect.



Water Treatment Technology

ECT2 provides treatment of PFAS contaminated water, including:

- in-house bench scale studies
- on-site pilot studies
- design of temporary, permanent, or rental systems with containerized options
- construction management
- startup and commissioning
- ongoing operations and maintenance

Design & Implementation

ECT2 designs, fabricates, operates and maintains customized, cost-effective containment and source reduction PFAS solutions. We use risk reduction strategies tailored to our clients' treatment objectives, budgetary constraints and regulatory considerations.

R&D Lab with Industry Leading PFAS Experts

Montrose Environmental's technical team includes 50 PhDs and other industry experts. Our team members are actively involved with our clients; from initial consultation through project delivery. Concurrently, this team focuses on R&D initiatives that target emerging treatment technologies and process optimization.

Active Federal Contracts



Would you like more information? Please contact:



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