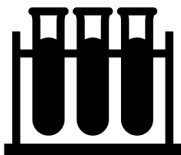




## An Introduction to ClarosTech™

Prepared in collaboration with Great American Insurance Group

Serving your PFAS analytical and destruction needs



Test your water, soil, or textiles for PFAS using our analytical services

[Beryl@clarostech.com](mailto:Beryl@clarostech.com)



Engage in a treatability study and pilot trial of the ClarosTech™ PFAS destruction system

[Zachary@clarostech.com](mailto:Zachary@clarostech.com)



Invest or partner with us

[Alita@clarostech.com](mailto:Alita@clarostech.com)



# Claros Technologies: About Us

Greenhouse gasses are not the only ubiquitous, toxic pollutants in our environment

ClarosTech™ is a venture-backed deep tech start-up harnessing green chemistry and advanced material science to solve our global PFAS water contamination crisis



## About ClarosTech™

**Founded:** 2019 (VC-backed spin-out of University of Minnesota)

**HQ:** Minneapolis, MN

**CEO:** Michelle Bellanca

**Employees:** 30+ mission-driven scientists, engineers, and business leaders

**Website:**

[www.clarostech.com](http://www.clarostech.com)

**Stage:** Lab-validated scaling into customer pilots

## What We Do: We Solve Problems Without Creating New Ones™

### PFAS Destruction Technology

- Proprietary UV-photochemical system deployable for low and high throughput PFAS wastewater streams
- Destroys and defluorinates PFAS
- Works on ALL PFAS types: long, short, and ultrashort chain and the greatest # of compounds compared to any other technology
- Contact [Zachary@clarostech.com](mailto:Zachary@clarostech.com) to learn about setting up a treatability study

### PFAS Analytical Laboratory Services

- Offering industry-leading PFAS analytical standard and customized testing services for non-potable water, soil, textiles, and other materials
- Examples of services include EPA draft method 1633, specialized total organofluorine analysis, PFAS textile testing
- ISO/IEC 17025 certified
- Contact [Beryl@clarostech.com](mailto:Beryl@clarostech.com) for your testing needs



## The ClarosTech™ Proprietary Destruction Technology

- Our PFAS destruction system destroys 99.99% of PFAS
- Effective across all PFAS types including ultrashort chain and long-chain
- Third-party performance results validated by Fortune 500 customer
- Effective across multiple PFAS waste streams including firefighting foam, industrial effluent, and landfill leachates
- Agnostic to capture method (e.g., ion exchange resin, reverse osmosis, surface active foam fractionation)
- Winning energy and cost profile – our technology is cost competitive with traditional methods of disposal (landfill, incineration, and deepwell injection)
- Empowers you to meet effluent and regulatory goals

PFAS Wastewater Concentrate



Low & High Throughput Reactor(s)



PFAS - Free Water (Fluoride, CO<sub>2</sub>)

- Carbon-fluorine bonds are broken
- PFAS reduced to safe, natural elements

## Destruction and Defluorination Performance

Our process fully destroys and defluorinates >99.99% of long, short, and ultrashort chain PFAS, validated with in-house and third-party mass balance analyses

Customer	Water Type	Long Chain	Short Chain	Ultrashort Chain	Destruction (%)	Destruction Third-Party Validated*	Defluorinated on Third-Party Validated*
Department of Defense	Firefighting Foam	✓	✓	N/A	> 99.7%	✓	-
Polymer Manufacturer (PM)	Manufacturing Effluent (ME)	✓	✓	✓	> 99.9%	-	-
PM	ME	✓	✓	✓	> 99.9%	✓	✓
PM	ME	✓	✓	✓	> 99.99%	✓	✓

\*Validated by third-party, independent laboratories and corporate partners using LC-MS and total organofluorine analysis





# Claros Technologies: PFAS Overview

## Where Does PFAS Waste Accumulate?

- Because of the nature of PFAS, these materials are present everywhere
- By focusing on the point sources of contamination to either eliminate the use of PFAS compounds or treat the waste stream properly while it is in its most concentrated form, we can significantly reduce our PFAS pollution problem

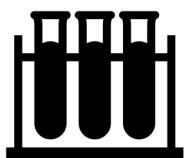
### Private Sector

- Manufacturing companies
- Landfills that accept PFAS-laden materials
- Oil refineries
- Fire suppression systems
- Locations near incineration units that burn PFAS-laden materials
- Metal manufacturing and finishing
- Metal casting and smelting
- Laundry and dry cleaning
- Automobile manufacturing
- Waste processing centers  
Electronic/chip manufacturing

### Public Sector

- State or city sewer districts and drinking water facilities
- Schools
- Law enforcement sites
- Fire department sites, including training facilities and fire sites
- Airports
- Public landfills
- Public waste and energy-producing incinerators
- Military and DoD sites

## Work With Us to Stop PFAS Pollution



Test your water, soil, or textiles for PFAS using our analytical services



Engage in a treatability study and pilot trial of our PFAS destruction system



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[Zachary@clarostech.com](mailto:Zachary@clarostech.com)

[Alita@clarostech.com](mailto:Alita@clarostech.com)