

Invent the Future with us

Message from the CEO

This year has seen a direct impact of the Covid-19 pandemic and the US presidential election on the stock market, the economy, and our social fabric. Under these extraordinary conditions, the 374Water team remains focused on inventing a future world without waste and advancing water and waste resource recovery using Supercritical Water Oxidation (SCWO). We won the Innovation Pavilion Championship at WEFTEC 2020. NC Tech recognized us as one of the Top 10 Startups. We also completed a research project with US EPA scientists that saw SCWO eliminate +99.98% of per- and polyfluoroalkyl substances (PFAS) in Aqueous Film-Forming Foam (AFFF) solutions. 374Water established a new world record for PFAS destruction in a continuous system.

With a new administration in the White House in 2021, we expect a new momentum to tackle essential environmental issues such as clean water, renewable energy and climate change, PFAS, and recycling policies. For example, the new administration is expected to set waste remediation and other limits for some PFAS, a course of action that could set the EPA's 2019 PFAS Action plan into motion to help set maximum contaminant levels (MCLs) for PFAS. This will create even more demand for treatment like ours, which can destroy PFAS down to extremely low levels.

Happy Holidays! We know that 2021 may be challenging. The 374Water team looks forward to being part of the solution.



Sincerely yours,
Kobe Nagar, Chief Executive Officer

US EPA Test - Elimination of Aqueous Film-Forming Foams (AFFF-PFAS)

During September, October and November 2020, US EPA PFAS Innovative Treatment Team (PITT) conducted a series of AFFF-PFAS destruction trials with 374Water to evaluate the

effectiveness of 374Water's novel, patent-pending, 3rd generation Supercritical Water Oxidation process ("AirSCWO"). Testing was performed using the Nix1 AirSCWO pilot system located at Duke University in Durham, NC. AFFF-PFAS containing solutions were fed to the Nix1. Influent, effluent and air emissions samples were collected and analyzed by Duke University, the US EPA and 3rd party labs. A total of four tests were conducted with two tests processing AFFF-PFAS containing solutions that were 300% more concentrated than previously demonstrated, establishing a new world record for PFAS destruction in a continuous system. [Read our Case Study](#)

374Water News

- [Practical Alchemy: 374Water Transforms Fecal Sludge into Clean Water](#): Maybe you didn't know, but pretty much anything you flush down the toilet can be transformed into clean water and reusable energy.
- [Bill & Melinda Gates Foundation is a common denominator in Innovative Solids handling solutions](#): 374Water sponsored NEBRA's August 28th Lunch & Learn. NEBRA members grilled 374Water representatives with the most questions ever posted during a Lunch & Learn session.
- [NC Tech Award Finalists Announced](#): NC Tech recognized 374Water as one of the top ten startups in North Carolina to watch.
- [374Water and its Supercritical Water Oxidation Water Win the WEFTEC 2020 Innovation Pavilion Championship](#): Water Environment Federation and its innovation partners, BlueTech Research and Imagine H2O featured 18 technology companies in the Innovation Pavilion at WEFTEC Connect. Voter's selected 374Water as champ!
- [Companies Merge to Offer Water Resource Recovery System Using Supercritical Water Oxidation](#): PowerVerde Inc. and 374Water Inc. announced that they intend to merge.

Water and Waste Industry News

- ['Dark Waters' attorney: New 'forever' chemicals pose threat to environment, human health](#): It took decades for the public, regulators and courts to recognize and begin to fix the environmental and public health problems caused by PFAS.
- [Biden's EPA Expected to Pass Limits on Some 'Forever Chemicals'](#): The EPA under a future Biden administration is expected to quickly move to set regulations on "forever chemicals" in water and other areas.
- [How Biden could undo Trump's water regulations](#): A Biden administration is expected to undo President Trump's regulatory rollbacks on a range of water rules.
- [Waste Management Stakeholders Weigh in on Likely Outcomes of a Biden Administration](#): After four years of a Republican-run White House, Democratic President-Elect Joe Biden will take the helm, with sharply contrasting agendas around fiscal/tax and environmental policies.



374Water Inc. is a social impact, cleantech company spun off Duke University in Durham, NC. The company is commercializing a novel approach to Supercritical Water Oxidation (SCWO) that was invented by its founders, Kobe Nagar and Marc Deshusses with the support of the Bill and Melinda Gates Foundation.

Our mission is to support a clean and healthy environment to sustain life. We do that using cutting-edge science to recover resources from the waste our society generates and keep our drinking water clean! We help businesses and local governments make the Sustainable Development Goals (SDGs) a reality.

