

PERSONALIZED WATER RECYCLE TREATMENT SOLUTIONS

CUSTOM-TAILORED SOLUTIONS REDUCE YOUR OPERATING COSTS

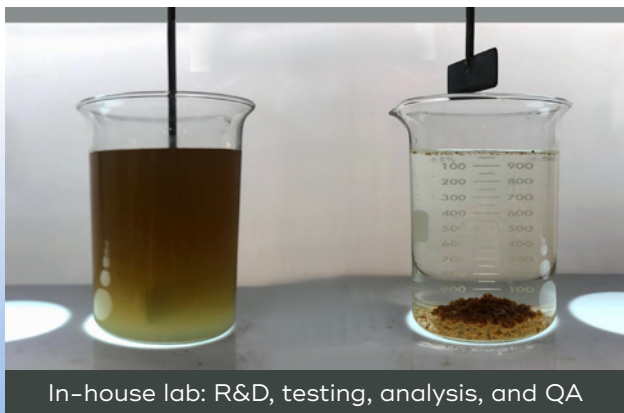
Cookie-cutter solutions just don't cut it. You want a lean and mean services provider that cuts to the chase. No chain-of-command delays. People with fresh new ideas who work hand-in-glove with you to meet your unique well requirements.

23D Services has the agility you need plus world-class water treatment expertise. Today's decreasing access to water supplies and increased water use regulations call for innovative ways to integrate and manage water systems. We'll help you eliminate trucking costs, enhance production yields, reduce disposal costs, and mitigate environmental risks.

Our technical team has a deep understanding of produced and flow back water chemistry and can help you design and integrate the right combination of technologies for your needs. We scale solutions to deliver both mobile and permanent assets for centralized water processing.



Water filtration and chemical treatment on-site



In-house lab: R&D, testing, analysis, and QA

Realize huge savings and value in recycling produced and flow back waters:

- Reduce or eliminate the need for drilling additional salt water disposal wells
- Reduce or eliminate costs of water transportation and disposal
- Reduce or eliminate fresh water usage—save millions of gallons every day
- Dramatically reduce truck traffic and road damage by repurposing existing pipeline systems or constructing temporary water delivery networks
- Increase your social license to operate



23D SERVICES. BECAUSE NO TWO WELLS ARE ALIKE

Solutions custom-tailored to your specific system reduce your total operating costs in the most challenging environments. Custom systems quickly and reliably deliver the best options while enhancing safety, compatibility, performance and cost efficiency. We do not market or sell one specific technology, process, or chemistry. We provide the solution that delivers the highest quality product at the lowest possible cost. Our new, state of the art lab and pilot testing capabilities are a valuable resource to design custom tailored solutions.

COMPREHENSIVE CHEMICAL CAPABILITIES—

Custom blends, and off-the-shelf commodities include but are not limited to:

- Biocides
- Scale Inhibitors
- Chelators
- Clarifiers
- Flocculants
- Custom and Novel chemistries



Chemical water treatment in field operations

PRECISE CHEMICAL DELIVERY SYSTEMS

Our fully self-contained water science trailers can inject and meter any of our chemistries on the fly. Pumps and meters are sized such that we can consistently add our chemicals precisely, with a level of accuracy to within 1 part per million. Remote access and control capabilities allow for consistent, precise dosage on every job, all the time.



UNDERSTANDING THE TECHNOLOGIES

The many different technologies can be mind-boggling.

Ozone, UV, Chlorine Dioxide, Electrocoagulation, Hydro-Dynamic Cavitation, Floc and Drop, and Mixed Oxidative Solutions?

When should I use traditional biocides?

What are the hidden costs and risks of solids removal?

Where do I apply what technology?

What are the pros and cons?



Call one of our experts today to help guide you through the maze of water treating options.

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