

RECYCLE FLOWBACK **ON-THE-FLY**

+ **WATER REUSE**

Select Energy Services enables the economical and responsible reuse of oilfield water through a mobile on-the-fly recycling system. Within the unit, flowback and produced waters can be blended with freshwater and treated to oxidize metals, scavenge hydrogen sulfide, and produce sterile water suitable for hydraulic fracturing operations.

+ **TECHNOLOGY**

- Mobile, trailer-based system with in-unit blending manifold
- On-the-fly sterilization of isolated flowback, freshwater, or composite blends
- Real-time dosing based on automated detection of oxidation and microbial demand variation
- Continuous real-time sensing to ensure optimal performance and environmental safety
- Remote, tablet-based surveillance of tank volumes and water quality
- Guaranteed residual chlorine dioxide level at blender
- Manifold blend rates of over 400 bpm

ZERO C10₂ SAFETY INCIDENTS

The system is the safest chlorine dioxide treatment process in the oil and gas industry. The system design:

- eliminates the possibility of explosions and fugitive emissions
- provides safeguards to reduce risks due to human error
- leaves no dangerous residual precursors;
- removes dangers associated with chemical tote management, storage tank transfer, and workforce exposure
- requires operators to undergo six weeks of training before graduating to operate field units

A SMART & RELIABLE PROCESS

The process is an intelligent process that utilizes 1,500 data points from real-time sensors to:

- assure that the concentration of chlorine dioxide in water or in the surrounding environment never exceeds safe levels
- continually adjust chlorine dioxide dosing based on water quality readings made 100 times per second
- only deliver as much chlorine dioxide as required by the water for sufficient, but complete treatment
- enable water transfer crews and the company man to follow treatment operations with provided tablet computers



100% WATER FOCUSED.

Select Energy Services strives to change the oil and gas industry's approach to water management. By providing strategic solutions from sourcing to recycling, Select delivers innovative, efficient, end-to-end solutions to energy producers. Always mindful of the environment, Select is the premier provider of water solutions that help unlock the vital energy resources of the United States.

selectenergyservices.com