

# Good for the industry *and* Good for the environment.

WATER MANAGEMENT SOLUTIONS FOR UNCONVENTIONAL GAS



INCREASE  
RELIABILITY



DECREASE  
RISK



▶▶▶ WATER ▶▶▶▶▶



*Aquatech's commitment to Energy is exhibited by its presence worldwide supporting key industry clients across 6 continents*

## **Global Commitment to the Energy Industry.**

30 YEARS AND COUNTING

Established in 1981, Aquatech is a global leader in water purification technology for industrial and infrastructure markets with a focus on desalination, water reuse, and zero liquid discharge.

The company is headquartered in the United States, has offices throughout North America, and significant presence worldwide through subsidiaries in Europe, the Middle East, India, and China. We have executed over 1,000 water management projects in over 60 countries across the globe.

Based in Pennsylvania, we are strategically located within the Marcellus Shale region. This enables us to leverage local and immediate knowledge of shale gas applications as it pertains to water, that gas companies can benefit from. With our broad portfolio of technologies and extensive experience, we can ensure the effective treatment of flowback and produced water.



### **Our Mission**

**Aquatech strives to provide Technology Leadership and Performance Excellence to the Global Water Industry. We aim to support our clients with cutting edge Sustainable Solutions, minimizing their Life Cycle Cost, as well as their Carbon and Water Footprint.**

◀ *Corporate Headquarters, Canonsburg, PA*





# Reliable.

## INDUSTRY PROVEN CAPABILITIES

The demands of field operations on equipment and personnel require a high level of continued dedication, experience, and engineering. Aquatech delivers reliability on all of these fronts to ensure that water management and treatment enable gas production to proceed rapidly and efficiently.



### Clean Consistent Water:

Aquatech solutions ensure a consistent water composition, with minimal undesired contamination. This enables predictable production characteristics such as consistent hydro fracturing and minimal down-hole scaling. In addition, treatment with MoVap<sup>®</sup> produces water with a TDS less than 500 ppm, thereby assuring a positive effect on the environment and local community.

### Field Experience:

The Aquatech Shale Gas Team has extensive field experience, much of it in the challenging conditions of the Marcellus Shale play. This experience brings a total understanding of our client's operations and the ability to be responsive 24/7/365.

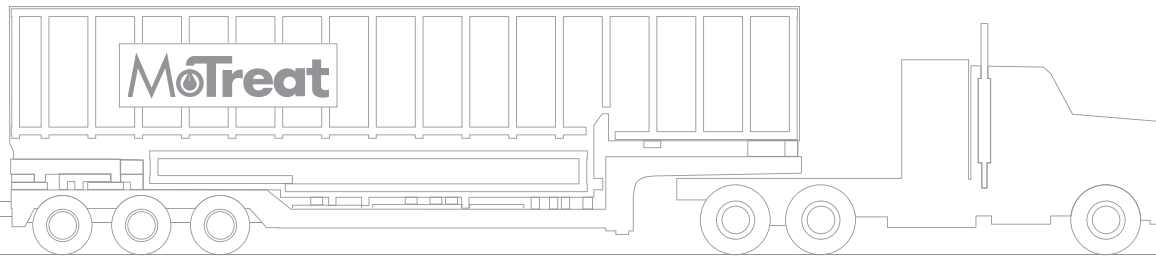


### Reliability Redefined

The ultimate test of reliability is knowing where your wastewater is going and its condition at all times. Transparency is the key. Aquatech is centered on providing a clear process for tracking and monitoring the entire wastewater treatment process and data. By developing a comprehensive well pad treatment solution, the entire process is visible and best managed.

*Aquatech's In-house Lab* ▶





## Sustainable.

### ENVIRONMENTALLY FRIENDLY SOLUTIONS

Aquatech offers sustainable solutions that are friendly to the environment as well as the gas producer. We enable flowback and produced water to be treated consistently to the desired specifications for recycling and reuse. Our integrated on-site and off-site solutions effectively accomplish zero liquid discharge.



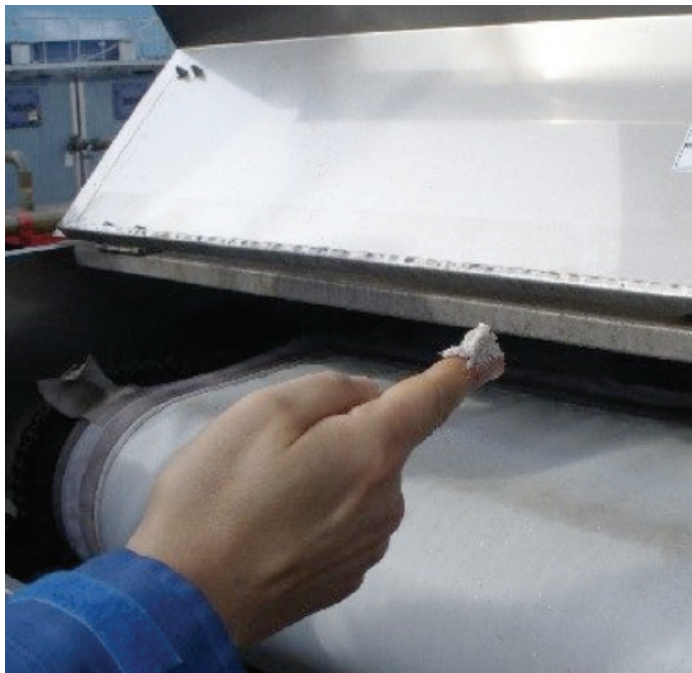
Natural gas producers desire this high level of consistency provided by Aquatech. They want treatment standards to exceed current and future regulatory requirements. Our commitment to sustainability sets a standard way beyond what many believe is possible today.

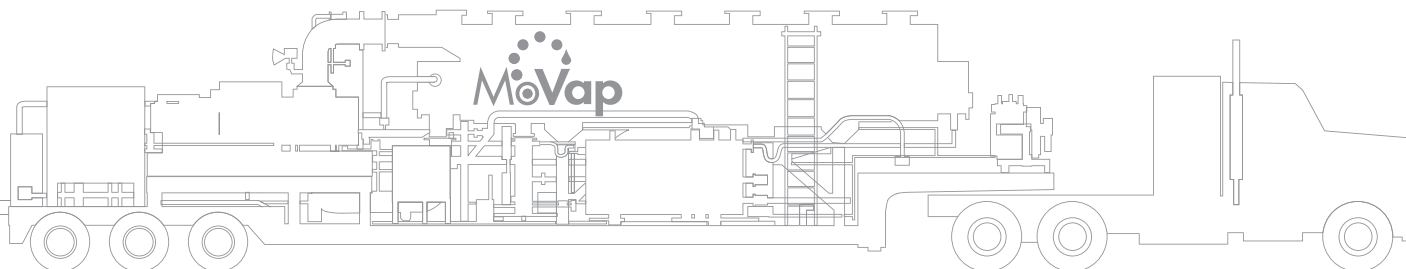


#### Community Impact

**Our water treatment solutions enable more on-site recycling and reuse, thereby reducing the number of trucks required for off-site disposal. In addition to improving the economics of your water management program; the less noise, dust, carbon emissions, and road damage will have a positive environmental impact.**

*Salt produced from ZLD plant* ►





## Adaptable.

WHAT YOU NEED, WHEN YOU NEED IT

Site conditions change from region to region, site to site, well pad to well pad. Aquatech offers many combinations of treatment solutions that can be customized to the need of the situation.

### MoTreat:

Mobile pre-treatment system for removal of suspended solids (TSS), with options to also treat for hardness, bacteria, and select precipitation of metals.

### MoVap:

Mobile industrial-scale distillation system for removal of dissolved solids (TDS) to produce ultra clean water for recycling, reuse or disposal, and reduce wastewater volume.

### Mobile Options:

Mobile filter press, generator, and frac tanks are also available to support your water management efforts.

### Modular ZLD Systems:

A complete modular zero liquid discharge (ZLD) facility with full custom offerings is available for consideration.



*Modular Crystallizer*



- Adaptable to different well pad layouts
- Multi-tier water treatment
- Wide range of treatment technologies
- Handles wide variations in water chemistry
- Custom options available



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