



MID *Atlantic* Storage Systems Inc.

OIL & GAS STORAGE SOLUTIONS



Frac Water Storage Solutions

Process & Flowback

Mid Atlantic Storage Systems (MASSI) is not your typical tank installer. We choose to do business as partners – not vendors – and provide complete individualized support to our customers. Superior tank coatings, unmatched customer service and our vast tank line are what set us apart from other tank companies. We are committed to supplying frac water storage systems that meet exact specifications and to stand by them throughout their entire service life.

However, some frac storage tank suppliers downplay coating technology and tank longevity to win bids with the cheapest tank possible. Nevertheless, what drilling companies may save in initial installation, they typically pay for in lost production due to maintenance, repairs or even tank replacement. It is neither cost effective nor safe to use subpar tank coatings to store volatile substances.

MASSI has decades of experience supplying storage systems that stand up to the most corrosive liquids. Our sales representatives know that not every frac water storage system is created equal. We work directly with drilling companies to specify the best frac/produce, brine and fresh water storage tanks with the best coating for their specific application.



MASSI Marcellus Shale

Frac/Produce, Brine and Fresh Water Storage Capabilities

- Single tank capacities up to 9.7 million gallons
- World class factory-applied coatings
 - Vitrium glass-fused-to-steel
 - Kuo-Lon powder epoxy coating
- Open or closed tops
- Wastewater treatment tanks

MASSI tanks are available with a variety of standard and custom designed aluminum domes, steel roofs and decks.

- Flat deck roof
- Internally floating roof
- Externally supported roof
- Floating hexa cover

MASSI provides total service for all of its tank installations. This means all planning, engineering and on-site work is provided by one company.

- Foundations
- Tank delivery
- Tank expansion
- Piping
- Tank construction
- Tank relocation



AQUASTORE®

Vitrium™ Glass-Fused-to-Steel

Aquastore® tanks are the premium liquid storage technology. With over 100,000 structures installed in over 70 countries around the world, Aquastore tanks are proven to last longer and have greater lifetime value than any other storage application available. Best of all, Aquastore tanks never need to be recoated or repainted over their entire lifecycle.

Aquastore tanks feature Vitrium™ glass-fused-to-steel technology. Vitrium is a proprietary TiO₂ glassing process applied in a 3-coat, 1-fire procedure to create a chemical bond and an inert barrier for both the interior and exterior tank surfaces. With over 60 years in the marketplace, Vitrium glass-fused-to-steel offers the best performance of any tank coating. Other advantages of installing Aquastore tanks include:

- Vitrium chemical bond is significantly greater than the industry's best epoxy formula
- Longer tank life
- Low routine maintenance and the lowest lifecycle cost of any tank type
- Tanks will never need re-painting
- 100% Holiday-Free steel sheets
- Manufactured in ISO 9001:2008 factory, along with a wide range of standards include AWWA D103, AISC, FM codes and NFPA Standard 22



TecStore

Kuo-Lon™ Epoxy Coating

TecStore® Tanks are modular factory-coated epoxy steel tanks for liquid storage that are designed to stringent requirements. TecStore tanks employ identical structural steel, engineering designs and hardware used in Aquastore tanks, offering the same reliable storage for all of the same markets.

Kuo-Lon is the powder epoxy system used on all TecStore tanks. Backed by over 10 years of success in a variety of liquid storage applications, Kuo-Lon coatings have proven to be superior to all other powder coated tanks in the industry and second in quality only to Aquastore Vitrium glass-fused-to-steel.

The Kuo-Lon coating process is executed by applying thermosetting epoxy powder to steel sheets under tight manufacturing tolerances and numerous process controls. This coating provides outstanding chemical resistance with exceptional physical properties in a thermally cured tank lining system.

- Factory process controls eliminate many common contamination issues
 - No coating delamination
 - No deterioration due to UV exposure
- Consistent coating thickness from sheet to sheet
- High interior and exterior corrosion resistance
- 100% Holiday-Free steel sheets
- AWWA D103, NSF 61, FDA and AISC approvals



The MASSI Legacy

30 Years of Quality Storage Solutions

MASSI did not become the nation's largest independent CST Storage dealer overnight. Our 30 years of success is the result of a company-wide commitment to two key principles:

- 1) To engineer and install premier turnkey liquid storage applications that utilize the industry's best coatings and safest construction processes
- 2) To partner with customers and provide the best quality service and support throughout their system's entire lifecycle

MASSI has installed more than 3,300 storage tanks for municipal and industrial water & wastewater, as well as frac flowback/produce & brine water storage.

Unlike other tank companies that make unproven claims about their tank technology, MASSI's philosophy is to educate customers on the importance of selecting the right coating technology for their storage needs. MASSI sells direct – not through a third party supplier. These are just a few reasons why MASSI has so many repeat customers.

The Bolted Construction Advantage

MASSI bolted tanks are safer to install, more flexible and have a smaller construction footprint compared to field-welded or concrete applications.

- All tanks are built from the ground up with the jack-built system
 - o No in-field painting – all tank panels are factory-coated
 - o No overhead work – lower-field labor means less risk exposure
 - o No hot work
 - o No cranes
 - o Less construction personnel needed
- The fastest construction time of any tank type
- All tank components are shipped complete to any building site
- Tanks can be relocated or expanded as needs change
- Minimal laydown required

Safety & Certifications

MASSI construction crews take a proactive approach to safety, demonstrating leadership and direction to ensure the safest possible construction practices.

- All projects meet local site safety regulations
- All employees are required to test for alcohol and substance abuse
- All crews comply with specific project uniform requirements
- All employees are required to pass both national and other regional training procedures
 - o MSHA
 - o SafeLandUSA
 - o OSHA 10
 - o Isnet World
 - o PICS
 - o American Red Cross First Aid

MASSI combines premier frac water storage quality with its superior customer service and decades of experience in the tank industry. Contact MASSI for all of your liquid storage needs.

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