



Tank Installation



Coating Renovation



Service / Repair



**In alliance with
Superior Tank Co., Inc.**

Superior Tank Solutions (STS) is a full service company with decades of experience in the tank industry. Our team specializes in water storage tanks and possesses the knowledge to provide the best solution for your project.

STS can handle ALL aspects of water storage tank maintenance and rehabilitation including:

- Comprehensive interior & exterior inspections
- Tank washouts & disinfections
- Coating repairs and renovations
- Structural repairs and security/safety upgrades
- OEM parts & accessories
- Bolted steel tank & welded steel tank engineering and installation

The STS Management Team has over 100 combined years of tank specific experience. The STS team members are experts in the water storage tank field and provide over 100 hours of approved operator certification training each year. After inspecting and renovating thousands of tanks, our team has the knowledge to help with the various aspects of tank design and specification. We have seen firsthand which coatings and designs will withstand the test of time and perform the best. Our involvement with various committees ensures we are up to date on the latest legislation and standards.

Senior Management Team

- **Matt Tasch** - Director of Project Management, Western Region
- **Steve Bishop** - Southern California Regional Manager
- **John Hake** - Central California Regional Manager
- **Chad Simonson** - Northern California Regional Manager

STS professional inspections and assessments can prevent unforeseen repairs and unscheduled emergency downtime. Small concerns such as pinholes in coatings can be patched quickly before significant corrosion and steel loss occurs. Complete conditional inspections can reveal other potential issues such as unprotected overflow piping and roof vents which can allow animals and insects to enter the tank leading to water contamination.

Our tank experts can perform wide variety of inspection services such as:

- Wet inspections
- Water quality analysis
- Coating condition assessment and testing including adhesion, thickness and presence of lead
- Dry inspections allowing for complete inspection
- Ultrasound testing of tank bottom to measure amount of corrosion on the underside of the tank
- Foundation integrity evaluation
- Review of safety equipment such as ladders, railings, tie off points and safety climb devices to prevent injuries
- Security and access examination for vulnerable points such as exterior ladders, roof vents and overflow piping
- Sanitary review to look for potential contamination sites such as vents, overflow piping, roof penetrations and unprotected openings
- Analysis of critical locations such as internal support structures and welded locations to detect structural deterioration.

Routine tank inspections can discover potential problems early and eliminate expensive repairs in the future.



Exterior coating assessment



Interior coating inspection



Interesting Fact: Water tanks are of great interest to teenagers, terrorists & wildlife. STS can help protect your tanks against all three!

Keeping tanks clean will help maintain the water quality and decrease operating costs. Removing sediment and the invisible biofilm will decrease disinfectant consumption and reduce disinfection byproduct. Sediment and biofilm protect pathogens from new water containing disinfectant. As the pathogens are harder to reach, abnormally high levels of disinfectant are needed to maintain disinfectant residuals.

Periodic washouts and tank cleaning also provides a great opportunity for a clear inspection of the tank and components.

Tanks are the most visible element of a water distribution system and a clean appearance can improve public perception of the system quality.

STS provides numerous routine maintenance and cleaning services to keep your tanks in peak operating condition:

- Pressure wash to ensure clean tank interior
- Removal of bottom sediment and minerals on tank walls
- Chemical washout to eliminate invisible biofilm from the tank interior
- Tank disinfection & return to service in compliance with AWWA standards

By performing minor coating repairs during tank cleaning, the coating system life can be extended & metal loss due to corrosion can be prevented.



Interior washout of welded steel tank



Storage tank sediment

Ask amount our new Automated Disinfection Systems!

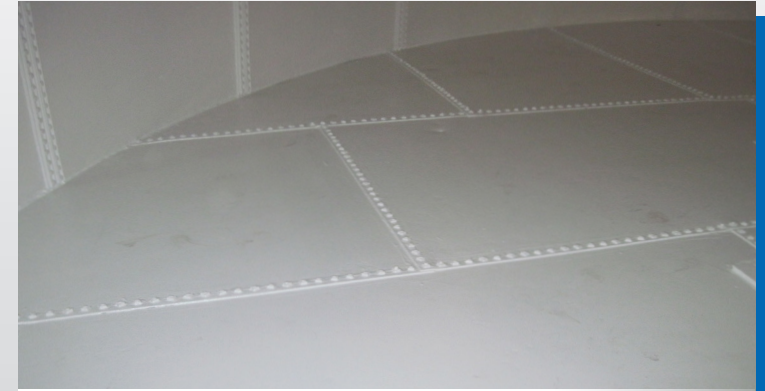
COATING REHABILITATION

The coating of a tank is the main element of protection against corrosion and failure. A coating can determine whether a tank lasts only 10 years or is able to survive 100+ years. STS specializes in all elements of tank coatings including surface preparations, material formulation, coating application and curing procedures.

STS offers various coating repairs to ensure maximum coating life:

1. Spot repair and recoat
2. Lead abatement
3. Complete overcoat
4. Sandblast all surfaces to remove old coating then apply new coating system
5. STS can help guide you through the process of selecting the proper coating

STS can help guide you through the process of selecting the proper coating, and we offer various coating repairs to ensure maximum coating life:



Interior coating rehabilitation

COATING SYSTEM COMPARISON			
	2 COAT EPOXY SYSTEM	3 COAT EPOXY SYSTEM	100% SOLIDS SYSTEM
Number of Coats Applied	Two	Three	One
Average Dry Film Thickness	10 Mils	15 Mils	30 Mils
VOC's Present	Yes	Yes	No
Risk of Taste & Odor	Yes	Yes	No
Risk of Solvent Entrapment	Yes	Yes	No
Coating Cure Time	Several days or weeks	Several days or weeks	24 - 72 hours
Estimated Coating Life	12 - 15 Years	15 - 18 Years	20 - 30 Years
Type of Product	Epoxy	Epoxy	Epoxy or Elastomeric Polyurethane
Percent of Solids	72%	72%	100%



Coating rehab in progress



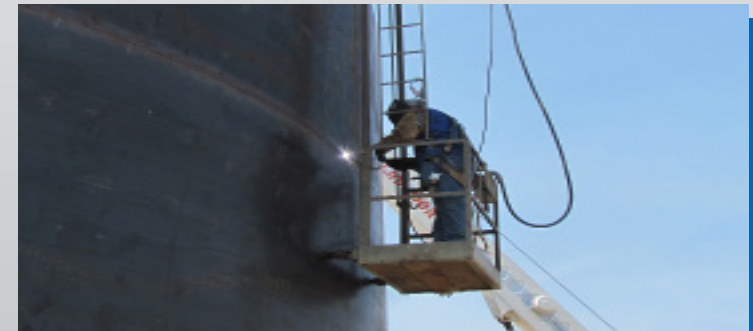
Interesting Fact: STS uses the same type of coating that the U.S. Navy uses on it's ships which can help seal small leaks.

STS can ensure your tanks are safe for your employees, resistant to intrusion and vandalism and operate at peak levels. As a licensed, insured and bonded General Contractor with skilled and specialized field teams, STS can perform a wide range of structural repairs as well as supply and install OEM components:

- Security enhancements such as anti-climb equipment and locking hatches
- Major repairs such roof rafter replacements, foundation refurbishment, tank bottom replacement, seismic upgrades and shell patching
- Replacement/upgraded parts & equipment such as interior/exterior ladders, various nozzles, liquid level indicators, sample tap/level indicators, standard roof vents and frost free roof vents
- Active mixing systems to maintain water quality and disinfection byproduct reduction systems to help meet EPA Stage 2 limits
- Replacement and upgraded bolted steel tank hardware such as encapsulated nuts and bolts
- Custom fabrication and welding of steel tank components & structural elements
- Various finishes are available including factory powder coating, hot dipped galvanized, stainless steel and field applied liquid coatings
- New safety equipment and devices meeting current regulations such as ladder cages, roof tie off points and safety rails with kick plates



New and replacement parts available!



Welded and Bolted tank repairs available!



Rusted ladder in need of replacement

For more information on parts and accessories, please visit:

<http://www.superiortanksolutions.com/parts.html>

When additional storage capacity is needed or an existing tank is beyond repair, STS can engineer, manufacture and install bolted or welded steel tanks. Through our relationship with Superior Tank Co., Inc., we have the ability and expertise to provide the best solution for any tank situation.

STS holds General Contractor licenses in California (#939335) and Arizona (#269751) and utilizes internal installation teams. Our field teams specialize in bolted and welded steel tanks, making installation hassle free and fast. Safety is paramount with our installation crews and we take the steps necessary to maintain worker safety.



New bolted steel tank installation

NEW TANK LEASING PROGRAM!

- *Flexible terms ranging from 24 to 60 months*
- *Preserves working capital and credit lines*
- *Very low monthly payments*
- *Lessee enjoys tax benefits associated with ownership*
- *Fast approval and funding*
- *Perfect for smaller districts or private systems*
- *Applicable to all types of water storage tanks*



Bolted tanks precision manufactured in factory



Interesting Fact: An entire 100,000 gallon bolted steel tank can be erected in a week!



Superior Tank Solutions

9500 Lucas Ranch Road
Rancho Cucamonga, CA 91730
Phone: 909.912.0599 | Fax: 909.912.0585
service@superiortanksolutions.com
www.superiortanksolutions.com



877.764.2121