




**USADeBUSK**

# **TURNKEY TANK CLEANING SERVICES**

**SINGLE-SOURCE SOLUTION, MULTI-SERVICE VALUE**



**TANK CLEANING  
EMISSION CONTROLS  
NITROGEN  
NDT INSPECTION  
VAPOR BLASTING/  
COATING REMOVAL  
PAINTING & COATING  
FIELD SERVICES &  
FABRICATION  
HYDRO BLASTING  
& VACUUMING  
HYDRO CUTTING  
HX+ HYDRO EXCAVATION  
TRANSPORTATION**



# SAFETY

From the first steps in planning to the final step in demobilization, USA DeBusk is committed to the highest standards of safety for people on the jobsite and in the communities where we work.

Our best-in-class HSE program includes comprehensive safety procedures, intensive training, and innovative automated systems.

- Best-in-class training and Mentoring/SSE
- “Stop Work Obligation” process intrinsic to all work
- Senior leadership engagement, with Safety Scorecards documenting in-person site safety audits
- Comprehensive auditing process
- Advanced HSE Management System; all-inclusive data availability for customers
- Extensive statistical analyses with trending data
- Engineering/technology investments for risk reduction
- Commitment to automation
- Site-specific safety plans
- More complete cleaning of hazardous materials from the equipment
- USA DeBusk shared resources improves safety by adhering to the safety plan, increasing understanding of hazards in the area, and lowering risks associated with work handover between vendors

## SMART SAFETY BADGING

Each company badge includes a QR code that provides mobile, cloud-based, on-demand access to safety information via mobile devices. Scanning a badge allows users to view the employee’s current training record, a company phone directory, a safety professional contact list, water cut cards, company handbooks, and much more.

## HSE MANAGEMENT SYSTEM

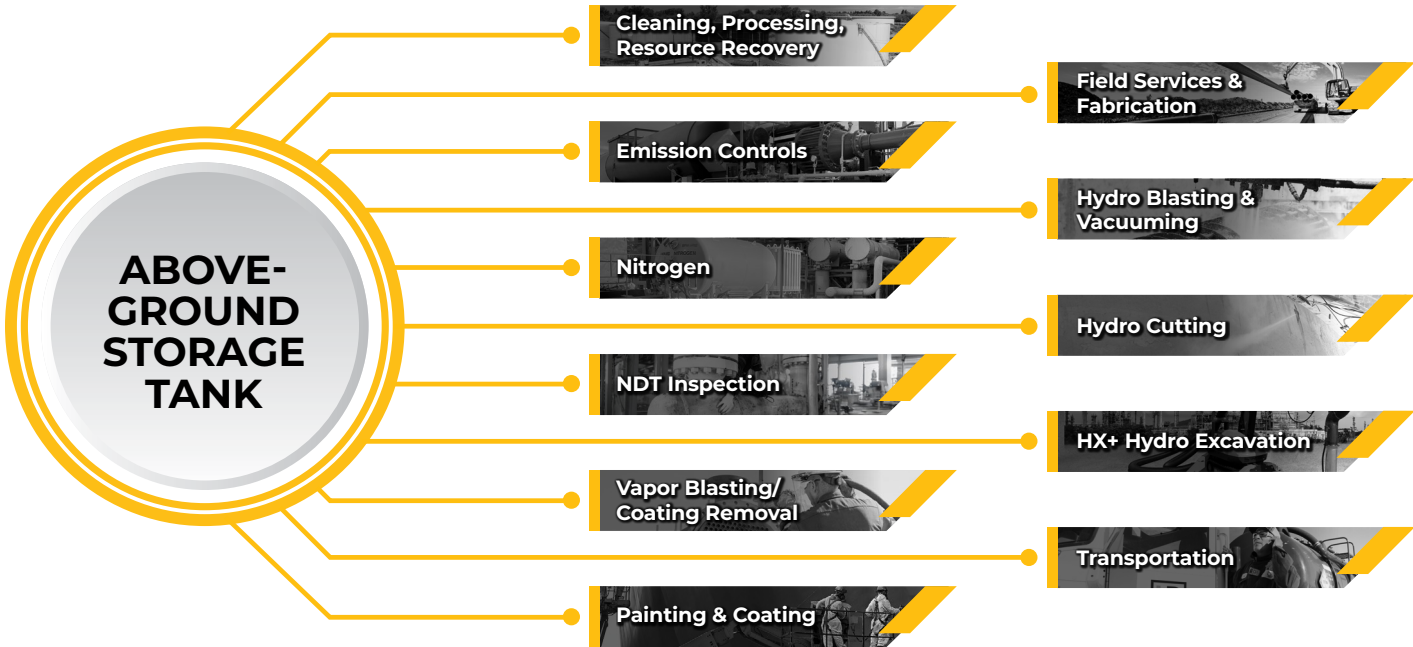
Our EHS Management System is an all-inclusive source of safety information. Accessible from any mobile device, it includes standard operating procedures, training classes, incident reports, SDS, safety meeting sign-in sheets, recognition program, and unlimited report options.

## SAFETY ORGANIZATIONS

USA DeBusk is an active member of safety organizations, such as the Houston Business Roundtable, the National Association of Reciprocal Safety Councils, and Water Jet Technology Association, as well as a participant in auditor compliance groups.



# TOTAL TANK SUPPORT



With USA DeBusk, the services, support, and advanced technologies for safe, efficient tank cleaning, material processing, and resource recovery are available from a single best-in-class resource.

## MULTI-SERVICE VALUE

- Rigorous, uniform safety
- Time savings
- Schedule dependability
- Single-source efficiency and accountability
- Cost savings
- Best-practice integration
- Effective communication
- Planning and execution expertise

## SINGLE-SOURCE MANAGEMENT

We eliminate the difficulties of managing multiple vendors. Functioning as one team allows us to exploit efficiencies, eliminate delays, and minimize overall project timelines. A single point of accountability streamlines communication and simplifies administration, billing, and reporting.

## COST SAVINGS

Synergies and efficiencies in time, equipment, and manpower lead to quantifiable project cost savings. Preventing scheduling conflicts avoids costly delays.

## EXPERTISE & TECHNOLOGY

Each task is performed by highly trained and experienced specialists, using state-of-the-art technology and hands-free automation whenever feasible.

## SAFETY & COMPLIANCE

With our multi-service approach, safety and environmental compliance become a unified commitment, with focused leadership and all participants following the same stringent, clearly delineated standards.

Our turnkey approach delivers efficiency, cost savings, and peace of mind. Your objectives become our objectives as we work collaboratively to the best possible outcome for each project.



## TANK CLEANING AND DEGASSING



### EXPERIENCE AND EXPERTISE

USA DeBusk safely and effectively cleans aboveground storage tanks, API separators, cooling towers, retention ponds, and other impoundments.

Our portfolio of solution-based services safely and efficiently prepare tanks for API 653 inspections, product changes, material transfers, structural repairs, decommissioning, and other objectives. We have extensive experience with a wide range of tank designs and applications, including crude, finished products, wastewater, sour water, asphalt, paraffins, and other materials.

### SAFE, RESPONSIBLE

Our project teams have the management expertise, training, and resources to safely operate in the most hazardous environments, including tanks with pyrophoric products, Immediately Dangerous To Life or Health (IDLH) atmospheres and structural damage.

Our commitment to safe operations includes:

- Coordination with customer EHS, Maintenance and Inspection departments
- Automated, remotely controlled equipment
- API certification for tank entry
- Hazard management training for Tank Entry Supervisors
- Work scope designed to minimize confined space entry
- Pre-project hazard identification and mitigation plan submitted for client review
- Effective fugitive emissions control
- Project engineering to prevent spills
- Ongoing training with mentorship program for technician support



### TECHNOLOGIES AND AUTOMATION

Our state-of-the-art debulking equipment and processes efficiently remove complex solids before confined space entry, significantly reducing exposure to operators and enhancing safety during entry.

Options include circulation and chemical treatment, water washing, and sludge fluidization/removal using a range of automated systems such as manway canons, tank sweeps, and the industry's most advanced remotely operated vehicle fleets. We perform simultaneous cleaning and degassing and offer online options to keep tanks in service during cleaning.

Our newest robotic combination systems have a common platform for ROV robotics, multiple robotic manway canons, and submersible pumping systems, providing efficiency, versatility, and a smaller footprint.

### WASTE SOLUTIONS

USA DeBusk teams are highly skilled at minimizing waste and recovering/recycling valuable hydrocarbons.

To meet customer objectives, we can utilize multiple processes to minimize solid waste, clarify wastewater, reclaim hydrocarbons, or treat hazardous components such as hydrogen sulfide or pyrophoric materials. Dewatering and decanting processes include two-phase and three-phase centrifugation, belt filter presses and plate-and-frame filter presses.

Vapors can be trapped and scrubbed or combusted onsite using various mobile systems. We also provide waste disposal coordination and transportation services.

### Advantages

- Comprehensive, end-to-end service
- Industry-leading technical talent
- Broad range of cleaning and degassing techniques
- Integrated emission controls and support services
- Advanced robotics for safety and productivity
- Material processing for waste minimization, wastewater treatment and hydrocarbon recovery







# MULTI-SERVICE SUPPORT

We integrate multiple USA DeBusk services for a single-source solution that decreases project durations, reduces downtime, streamlines logistics, minimizes costs, and provides a focused point of safety, communication, and accountability.

## EMISSION CONTROLS

To mitigate safety and odor concerns, we provide robust emission controls. Our systems satisfy EPA requirements and MSS best practices, as well as state and local regulations. We custom engineer each project to control potential vapor hazards, including LEL, H2S, and high pressures.

## NITROGEN

Nitrogen is used in tanks to displace other gases and to mitigate combustion risks. USA DeBusk provides nitrogen via liquid and membrane technologies, including proprietary steam-powered Skid Mounted Vaporizer Units that eliminate diesel fuel usage and carbon emissions.

## NDT INSPECTION

Our non-destructive testing (NDT) inspection services utilize the latest, most advanced test procedures, as well as a full range of conventional methods to identify potential issues such as corrosion or cracks before they critically affect the structural integrity of tanks, vessels, piping, and related structures. We can perform pre-cleaning, post-cleaning, and regular maintenance inspections as needed.

## VAPOR BLASTING/COATING REMOVAL

We offer a full range of techniques for surface preparation and coating removal. Our processes eliminate carbon, scale, process contaminants, and CUI while achieving customer profile specifications for paints and coatings. Our proprietary vapor blasting provides one-pass polishing of surfaces using a compact, dust-free mobile system that uses roughly half the water and abrasives of sand blasting.

## PAINTING & COATING

Our airless spray coating, plural component pump coating, brush, and roll painting services integrate with surface preparation for a seamless, streamlined solution. Our team includes Level 2 and 3 NACE-certified inspectors to assist with coating specifications, non-destructive inspections, assessments, maintenance coating plans, and corrosion mitigation programs.



## FIELD SERVICES & FABRICATION

We support tank storage operations with pipeline and facilities construction, installation, repairs, maintenance, integrity services, and compliance programs for any application, above or below grade. We are an ASME-coded turnkey provider of fabrication services for custom pressure vessels and equipment.

## HYDRO BLASTING & VACUUMING

As a leader in providing safe, efficient and cost-effective hydro blasting services, our diverse equipment fleet has the versatility to apply the most effective technology for projects of any size or scope. Our vacuum truck fleet includes a full range of standard and specialty units to allow the safest, most efficient equipment for your project requirements.

## HYDRO CUTTING

Our experienced hydro cutting teams use 40,000 psi water pressure and garnet abrasive to make high-precision cuts in metal or concrete surfaces, providing a safer, flame-free option for cutting door sheets, demolition, and other tank applications. Specially engineered automated systems ensure accuracy and consistency for both straight and beveled cuts.

## HX+ HYDRO EXCAVATION

HX+ automated hydro excavation takes the benefits of water-jet-assisted digging to a higher level of safety and productivity. The compact, mobile systems use robotics and remote control to remove workers from the active line of fire during excavation procedures. Systems make precise, clean cuts and can remove high volumes of overburden quickly.



## TRANSPORTATION

USA DeBusk provides transportation assistance for waste disposal and other needs during tank cleaning projects. Our versatile fleet includes 1,200 cu. ft. and 1,600 cu. ft. capacity semi-pneumatic tank trailers. Our highly qualified personnel undergo rigorous training, and we maintain our vehicles and equipment in top condition for high reliability.



## MULTI-SERVICE VALUE

Tank Cleaning Services are part of our full portfolio of industrial service solutions. Contact us today to learn how our advanced technologies will increase safety and savings for you.



**USADEBUSK**

**ADVANCED TECHNOLOGIES FOR SAFETY & SAVINGS**

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