



**USA DEBUSK**

# **USA DEBUSK MIDSTREAM SOLUTIONS**

Integrated Multi-Service Value





# SAFETY COMMITMENT

At USA DeBusk, we view safety the way you do. It's more than a priority—safety is a 24/7/365, all-encompassing core value. In other words, we make safety personal.

The management of USA DeBusk is dedicated to providing the active leadership and support necessary to maintain a best-in-class safety and health program. Highlights include:

- Industry-leading training and Mentoring/SSE programs
- “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

## TRAINING VERIFICATION

Each company badge includes a QR code that provides convenient access to that employee's current training record, a company phone directory, the safety professional contact list, COVID communications, water cut cards, company handbooks and much more. Within seconds, you can verify whether an employee has the current training to perform an activity.

## STOP WORK OBLIGATION

The foundation of our safety program is a commitment to the “Stop Work Obligation” process as displayed on the back of every employee badge with the CEO signature. Everyone—from senior leaders to technicians in the field to office personnel — has the moral obligation to stop work and intervene when necessary.

## HSE MANAGEMENT SYSTEM

Our electronic EHS Management System is a “one-stop-shop” for all safety needs. Accessible from any mobile device, it includes a wealth of company safety information, including standard operating procedures, training classes, incident reports, SDS, safety meeting sign-in sheets, recognition program, and thousands of report options.

## SAFETY ORGANIZATIONS AND MEMBERSHIPS

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



# ONE SOURCE, UNLIMITED VALUE.

Multi-service synergy reduces project duration, eliminates earned delays, lowers costs, and allows more effective communication.

- Turnkey, Multi-Service
- Event Management
- Efficiency From Synergies
- Automated Technologies
- Strategic Planning
- Best-In-Class Safety

# HIGH-PERFORMANCE MECHANICAL SERVICES FOR MIDSTREAM OPERATIONS

As business in the midstream sector becomes more complex, competitive, and time-sensitive, operators need more capable and responsive service companies to support them. USA DeBusk is at the forefront of service providers ready to deliver a higher level of safety, efficiency, and cost-effectiveness.

USA DeBusk is a single source for turnkey pipeline and facility solutions – from construction, fabrication, maintenance, and repairs to integrity services, nitrogen, emission controls, inspection, and more.

We bring extensive resources to your project, including skilled and experienced personnel at all levels; advanced automation, robotics, and chemical technologies; and large, modern equipment fleets.

## FULL RANGE OF SUPPORT

USA DeBusk offers a broad range of specialized, integrated services for midstream operators.

**FIELD SERVICES.** Pipeline and facilities construction, installation, repairs, maintenance, integrity services, and compliance programs for any midstream application, above or below grade.

**PIPELINE INTEGRITY.** Pigging, fluid filtration, temporary flaring, chemical cleaning and treating, lab analysis, hydrotesting, commissioning/decommissioning, and project management.

**NITROGEN.** Nitrogen delivery and on-site generation (liquid and membrane) for plant or field operations, as well as for integrated support of complementary USAD services.

**FABRICATION.** ASME “U” and “R” certified vessel and equipment fabrication for midstream, downstream, and upstream applications, with in-house design and engineering support.

**INSPECTION.** The latest, most advanced NDT procedures, as well as a full range of conventional test methods performed by highly qualified crews, including API and AWS certified inspectors.

**PAINTING/COATINGS.** Turnkey, cutting-edge surface preparation options and a full scope of coating techniques streamline projects while improving safety and quality of work.



# FIELD SERVICES



Projects of any size or scope

USA DeBusk Field Services offers end-to-end pipeline and facilities services to improve safety, increase operational efficiency, and maintain compliance.

Our capabilities include construction, installation, and repairs, as well as maintenance, integrity, and compliance programs. For any energy, utility, or industrial application - above or below grade - the Field Services team is your single resource for a full suite of pipeline reliability solutions.

## PIPELINE SERVICES

- 2" – 42" OD pipeline installation & maintenance
- Class changes, re-routes & line adjustments
- Congested corridor installation
- Constructability analysis & consulting
- Looping and laterals
- Gathering systems
- Specialty projects
- Pick-up and re-lay projects

## FACILITY SERVICES

- Greenfield & brownfield compressor, meter & pump stations
- Modifications, expansions & upgrades
- Tank farms & terminals
- Relocation & reversal projects
- Interconnect piping
- Civil and site
- Gas coolers & filter separators
- Conversions (turbine & reciprocating)
- Fire water line installs

## Advantages

- Best-in-class safety
- Advanced technologies & excavation methods
- 24/7 Emergency response
- DOT & PHMSA Compliance Programs
- Synergies with related USAD services



Facility services

## MAINTENANCE AND CALL-OUT SERVICES

The Field Services team keeps your operations online with 24/7 emergency response for repairs and spills. We serve tank farms, refinery terminals, and other facilities for both site and civil repairs. We perform filtration system cleaning/inspection, meter tube cleaning/inspection, pipeline drain up and abandonment, and weld repairs and sleeves.

Other call-out services include valve maintenance, coatings applications, and ROW restoration and mowing. We offer rail/dock loading maintenance and compliance, as well as DOT and PHMSA compliance management.

## INTEGRITY SERVICES

We offer a full range of integrity services to keep your pipelines safe, compliant and operationally efficient. Our pigging support capabilities include fabrication and installation of launchers and receivers, removal of restrictions, cleaning, and drying. We offer complete pig run assistance, from site preparation and liquid handling setup to pig tracking hardware installation and anomaly verification digs. We investigate and repair anomalies, providing assistance as needed, from recoating or composite sleeve reinforcement to pipeline modifications, repair, replacement, or abandonment.

Additional integrity services include certified weld repairs and welded sleeve installs, hydrostatic testing, investigation of low potential areas, line lowering, shoring box construction, revetment work, and ROW restoration and maintenance.

## UNLIMITED SYNERGY

As a part of USA DeBusk, the Field Services team is uniquely qualified to offer you synergies with other services that save time and money while enhancing overall safety. From pipeline pigging to flaring a cleared line, chemical

cleaning, tank cleaning, surface preparation, coating, hydro excavation, industrial vacuuming and more—are all coordinated in one consolidated plan from a single source.

## SAFETY

For any pipeline, facility, or integrity maintenance service we provide, safety remains our top priority. Our crews arrive on site ready to operate according to your guidelines and our rigorous standards for safety.

For safety, efficiency and savings, USA DeBusk Field Services is ready to deliver end-to-end solutions for all your pipeline applications.

## EQUIPMENT

- Crew trucks with small tools
- Trailers (cargo, utility, gooseneck) with consumables
- Excavators, sidebooms, bulldozers, skidsteers, backhoes
- 185/375 air compressors & generators
- Welding rigs/tack rigs
- Temporary launcher/receivers
- Skids/mats
- Pipe clamps & beveling machines
- Pumps
- Mowing equipment





# PIPELINE INTEGRITY MANAGEMENT



## Advantages

- World-class safety culture
- Highly experienced teams
- Advanced technologies
- Large, purpose-built equipment fleet
- Responsive service
- Comprehensive project engineering
- Expert technical support and consulting

USA DeBusk, provides turnkey pipeline integrity services to improve safety, compliance, and operational efficiency. We offer end-to-end services, with advanced technologies, purpose-built specialty systems and rental equipment, experienced project management, and an uncompromising commitment to safety.

We are a trusted resource for ILI run support, process and mechanical services, temporary flaring, commissioning, decommissioning, and abandonment assistance.

## INTEGRITY SERVICES

We offer complete pigging services for maintenance and inspection. We provide all temporary piping and separation equipment, pig tracking, lifting, installing, pulling, and pig cleaning, as well as custom chemical cleaning and treating of pipelines.

We control emissions throughout our projects with temporary flaring, liquid scrubbers, and pneumatic-powered vacuum suction systems. Our proprietary vacuum and spill containment systems assure safe and clean work environments.

For unpiggable lines, our crews perform offline inspections that include cleaning, hydrostatic testing, and drying for continued service.

## PROJECT MANAGEMENT

Our experts plan and execute a full range of projects, including new construction, maintenance, repairs, product changes, and regulatory testing. Leveraging decades of experience, our project managers ensure safety, time savings, and cost-efficiency on your project.



## CHEMICAL CLEANING & TREATING

We custom-blend specialty batch or continuous injection pipeline cleaning and treating solutions with laboratory analysis. These services improve product throughput efficiency and increase the accuracy of ILI tools by removing debris such as iron sulfide and iron oxide that impedes sensor readings.

Our experts analyze your application and apply the most effective chemistry from a full range of water-soluble compounds, hydrocarbon-based surfactants, corrosion inhibitors, and bio-dispersants.

## SEPARATION AND FILTRATION

State-of-the-art separation equipment accommodates applications from small lines up to 350 MMCFPD pipelines. Our trailer-mounted separators have integrated filter units to capture particulates that pass through separators. Stand-alone filters serve liquid pipelines and other projects that do not require separators.

## FLARE SYSTEMS & EMISSION CONTROL

We offer pipeline evacuation services and temporary flare options for blowdowns or pig trap depressurizations. Flare systems are available with liquid flowrates up to 5 bbl/min and vapor flowrates up to 90 MMSCFD.

## LIQUID SCRUBBERS

Our fleet of liquid scrubbers provides in-line sweetening and control of fugitive VOC and H<sub>2</sub>S emission sources, such as frac tanks and vacuum trucks.

## RENTAL INVENTORY

We maintain an extensive inventory of equipment that is used in our projects and available for rental.

- Temporary pig launchers and receivers
- Temporary piping, fittings, and hoses
- Three-phase separators
- Filter separators
- Blowdown flare systems
- Valves and spool adaptors
- Containment, drip pans, and spill-control trailers
- Vapor control scrubbers and vessels
- High and low pressure chemical injection systems

## EQUIPMENT

- Separators (vertical and horizontal): 72" x 20', 60" x 20', 48" x 20', 48" x 15', 36" x 15, 30" x 10, 30" x 6'
- Pipe packages: 2", 4", 6", 8" and 10" 8"
- Flares: 4" – 12" with optional metering capabilities
- Filter separators: 24" and 30"
- Vacuum units
- Chemical injection pumps
- Hydrotest trailers
- Tool trailers and trucks
- Meter runs 4 – 6"



## NITROGEN



Large, diverse equipment fleet

USA DeBusk provides nitrogen services for customer plant or field operations, as well as for integrated support of our complementary services.

### TECHNOLOGIES

We offer self-contained, mobile technologies that provide nitrogen at flow rates, pressures, and temperatures to effectively serve in purging, drying, displacement, blanketing, pressure testing, and other applications.

**SMVU.** Skid Mounted Vaporizer Units produce nitrogen gas at flow rates of 90,000 SCFH and pressures up to 225 psi. These units vaporize liquid nitrogen using steam, eliminating diesel fuel usage and ensuring zero carbon emissions. For higher SCFH requirements, multiple units can be connected in series to increase flow rates. We are one of the few providers with ready availability of these unique and innovative units.

**Membrane.** Nitrogen Membrane Units generate nitrogen gas on-site at flow rates up to 1,500 SCFM and pressures as high as 4,500 psi.

**Liquid Pumper.** Liquid nitrogen units provide from 300 to 12,000 SCFM at up to 6,000 psi and 500°F. They offer a 6,000 gal transport capacity for a 500,000 SCF equivalent.

**Transportation & Storage.** We have a complete line of nitrogen transport and storage equipment to serve your projects. Included are units with small footprints, high and low pressure abilities, and off-road capabilities. Our queen storage transports have 16,000 gal on-site storage capacities and king transports have 24,500 gal capacities. Both units have the ability to load and unload simultaneously. Our storage and transport services can be an effective solution in planning and staging nitrogen during hurricanes and other emergency events.

### Advantages

- Best-in-class safety
- Expertise in both liquid (cryogenic) and membrane (non-cryogenic) nitrogen technologies
- Large and diverse equipment fleet
- High-value synergies with other USAD services
- Extensive experience in downstream, midstream, upstream, chemical, and industrial applications
- Highly qualified project planners, management, and field crews



Skid Mounted Vaporizer Units

### REFINERY & INDUSTRIAL

USA DeBusk is a reliable provider of nitrogen services for refineries, plants, terminals, and industrial facilities.

- Nitrogen for refinery turnarounds
- Purging of refinery lines for safe repair and maintenance
- Catalyst cool down with nitrogen
- Catalyst re-heat with nitrogen
- Heat exchanger nitrogen purges
- Catalyst inerting with nitrogen
- In-line inspection (ILI) with nitrogen
- Tank/vessel inerting
- Pressure testing
- Drying and dewatering
- Nitrogen for emergency outages and response

### MIDSTREAM

We serve pipeline operations, gas plants, compressor stations, and other midstream applications.

- DOT-regulated pipeline maintenance
- Pipeline pigging with liquid or membrane nitrogen
- New pipeline commissioning (liquid or membrane N<sub>2</sub>)
- Pipeline decommissioning (liquid or membrane N<sub>2</sub>)
- Nitrogen purging of gas plant lines and pipelines
- Pipeline cleaning with nitrogen
- Filter vessel purging with nitrogen

### UPSTREAM/OFFSHORE

Well-site applications include artificial lift for land-based wells with patented nitrogen recirculation units and patented Dry-PAK nitrogen membrane units, de-watering, reservoir pressure maintenance, well-jetting, well cleanouts, and nitro-lifting.

### MULTI-SERVICE VALUE

Nitrogen capabilities can be combined with these USAD services to increase project efficiency and reduce costs: Emission Controls, Inert Catalyst Services, Unit Decontamination, Chemical Cleaning, Tank Cleaning, Field Services, Inspection, and Pipeline Integrity. As for chemically cleaning high-pressure reactor loops, no other service provider can offer reactor technology, nitrogen, and inert catalyst services in a turnkey manner. Multi-service integration provides a single point of contact, reduces scheduling risks, and decreases indirect costs, while eliminating earned delays and reducing turnaround durations.

### EQUIPMENT

- Low/mid/high liquid nitrogen pumping units -320 to 500+ degrees - 99.99 % purity
- Self-contained membrane nitrogen units – 95% purity
- Transports for hauling the liquid nitrogen
- 13K/26K on-site storage tanks
- SMVU-Skid Mounted Vaporizer Unit-green machine - zero emissions



# FABRICATION SERVICES



Experience in fabricating pressure vessels and equipment

## Advantages

- Experienced management and production team
- In-house design and engineering
- ASME “U” and “R” Stamp certified
- 22,000 sq ft fabrication facility with overhead crane
- B31.8 gas transmission and distribution piping systems experience
- NACE experience
- Class I Div I and Class I Div II experience

USA DeBusk is an ASME-coded turnkey provider of fabrication services for custom pressure vessels and equipment used in gas plants, pipelines, and other midstream applications.

We own and operate a 22,000 sq ft, 12-bay fabrication facility in Tishomingo, OK, and we have service locations in Beaumont, TX, Corpus Christi, TX, Midland, TX, Tulsa, OK, Mill Creek, OK, and Mount Jewell, PA.

## CUSTOM DESIGN & ENGINEERING

USA DeBusk fabrication excels in custom projects with special technical requirements. Our selling engineers work with you from project initiation through completion to meet your critical design needs.

Our team includes in-house CAD designers, code requirement calculation specialists, and professional engineers with extensive experience in midstream applications.



Qualifications include ASME “U” and “R” Stamps



In-house engineering and technical support for custom projects

## UNIQUELY QUALIFIED

As an organization providing multi-faceted technical services to the oil and gas industry, we have amassed over four decades of experience and more than 750,000 run-time hours providing nitrogen services to midstream applications.

This institutional knowledge gives us practical insight into your needs and a singular ability to design and fabricate vessels and equipment that provide lasting value.



22,000 sq ft, 12-bay fabrication facility

## MANUFACTURING CAPABILITIES

- Slug catcher systems
- Pig launchers and receivers
- Pre-fab piping and manifolds
- Skids: injection, blending, meter, butane offloading, ethanol offloading, and piping
- Platforms, walkways, and stairs
- Regen gas scrubbers
- Amine contact towers
- Amine NGL absorbers
- Amine reflux accumulators
- BTEX overhead scrubbers
- BTEX separators
- Cold drain tanks
- Dry air receivers
- Fuel gas scrubbers
- HMO expansion tanks
- Hot oil expansion tanks
- LP closed drain vessels
- Hot oil surge drums
- Methanol storage vessels
- Refrigerant accumulators
- Refrigerant economizers
- Refrigerant oil reclaimer vessels
- Refrigerant suction scrubbers
- Stabilizer NGL surge tanks
- Stabilizer towers
- TEG carbon filter vessels
- TEG flash tanks
- TEG HMO expansion tanks
- TEG still columns
- TEG surge tanks
- Utility air receivers



# INSPECTION



## Advantages

- Highly-qualified, experienced teams
- Advanced and conventional methods
- Corrosion mapping
- In-house evaluation expertise
- Rope-access inspections
- Decision-making support to improve safety, reduce downtime, enhance quality control, and mitigate environmental and compliance risks
- Integrated with complementary USA DeBusk services

USA DeBusk Inspection Services offers the latest, most advanced NDT (non-destructive testing) procedures, as well as a full range of conventional test methods. Our teams of highly qualified project managers, field inspectors, and Subject Matter Experts have decades of experience. The results are quantitative and qualitative data you can depend on.

We collaborate closely with inspection, maintenance, and engineering teams to help obtain accurate results for critical decisions.

## ADVANCED TECHNIQUES

- Guided Wave Ultrasonics (GUL-MSS)
- Digital Radiography (DR) and Real Time Radiography (RTR)
- Phased Array UT (PAUT)
- Time of Flight Diffraction (TOFD)
- Automated UT Corrosion Mapping (AUT)
- Eddy Current: Pulsed Eddy Current (PEC) and Surfaced Eddy Current
- Tube Inspections (EC, RFT, IRIS, and NFT)

## CONVENTIONAL TECHNIQUES

- Radiography
- Ultrasonic Thickness
- Shearwave
- Magnetic Particle (MT)
- Penetrant Testing (PT)
- Visual Inspection (VT)
- Material Verification (PMI) and Hardness Testing (HT)



## BROAD APPLICATIONS EXPERTISE

USA DeBusk Inspection Services provides a full suite of services for critical equipment used in midstream applications. Our expertise and industry-specific knowledge enable us to achieve your objectives dependably because we understand your processes, systems, equipment, and priorities.

Typical applications include:

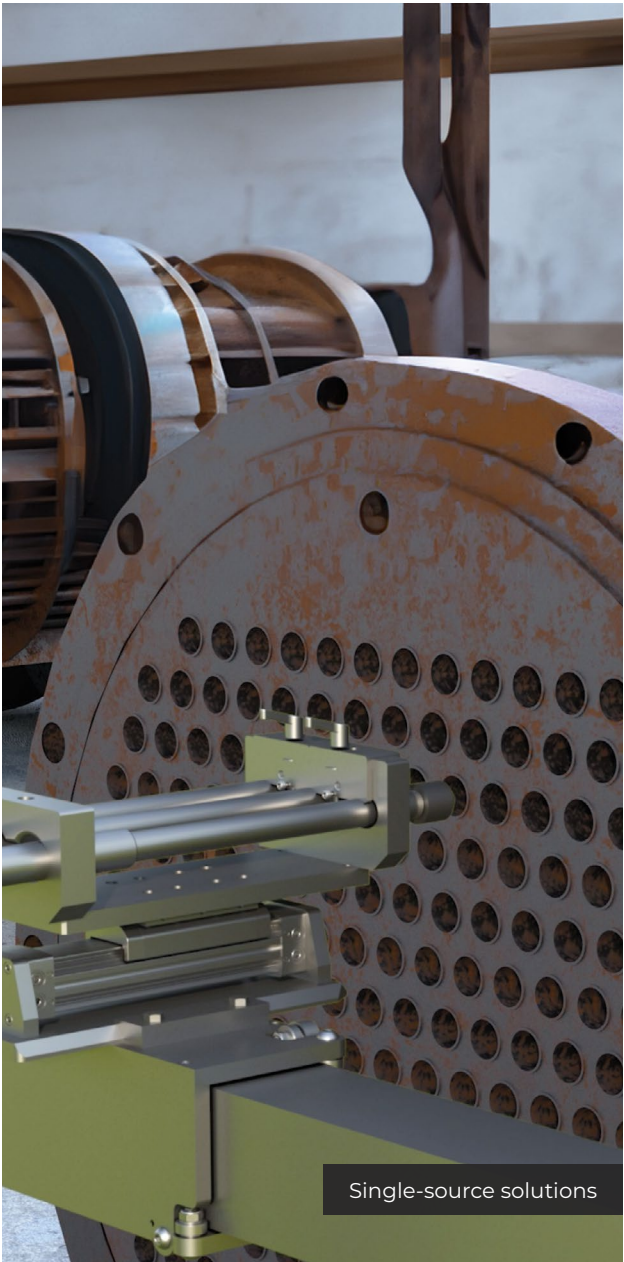
- Midstream systems Corrosion Monitoring and analysis
- Towers and Vessels
- Tube and Finned Exchangers
- Piping
- Furnace Tubes
- Pipeline Construction, Upgrades and Maintenance
- Facility-based Mechanical Integrity Programs for API 510, 570, and 653

Our highly qualified crews include API 510, 570, and 653 certified inspectors and AWS certified welding inspectors. We offer rope-access inspections for safe, timely, cost-effective inspection of hard-to-reach equipment.

## MULTI-SERVICE VALUE

Only USA DeBusk offers inspection in combination with a full range of advanced, complementary industrial service technologies.

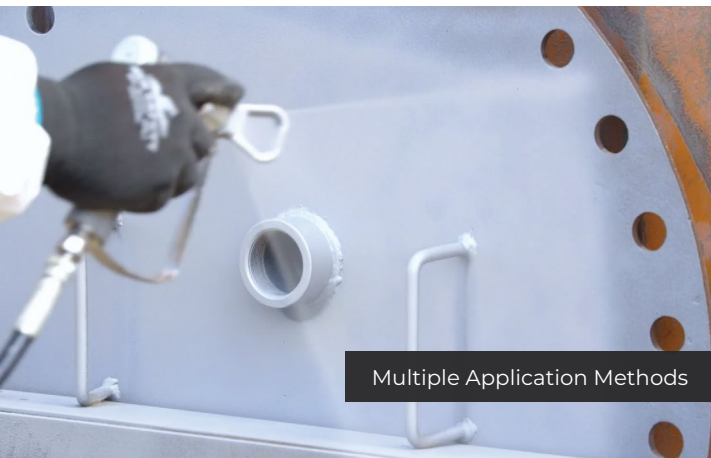
From surface cleaning and preparation using our patented VBX+ automated polishing to innovative chemical cleaning, and more, we offer single-source solutions to streamline project timelines and reduce costs.



Single-source solutions



# COATING SERVICES



## Advantages

- Saves time
- Enhances safety
- Reduces costs
- Improves coating quality and durability
- Provides a single point of contact
- Reduces equipment footprint
- Offers a variety of coating methods
- Assists in developing maintenance coating programs

## COATING APPLICATION

We offer a full range of application methods to meet your coating requirements while operating safely and productively in your environment. Our NACE-certified technicians and state-of-the-art equipment enable us to handle both small projects and large turnarounds effectively.

### Airless Spray Coating

- Up to 5 times faster than brushing and rolling
- Produces an even coat on all surfaces
- Can be used for a wide range of coatings

### Plural Component Spray Application

- Apply more millage in a single coat
- Shorter cure times
- Faster application time
- Air to soil transition application

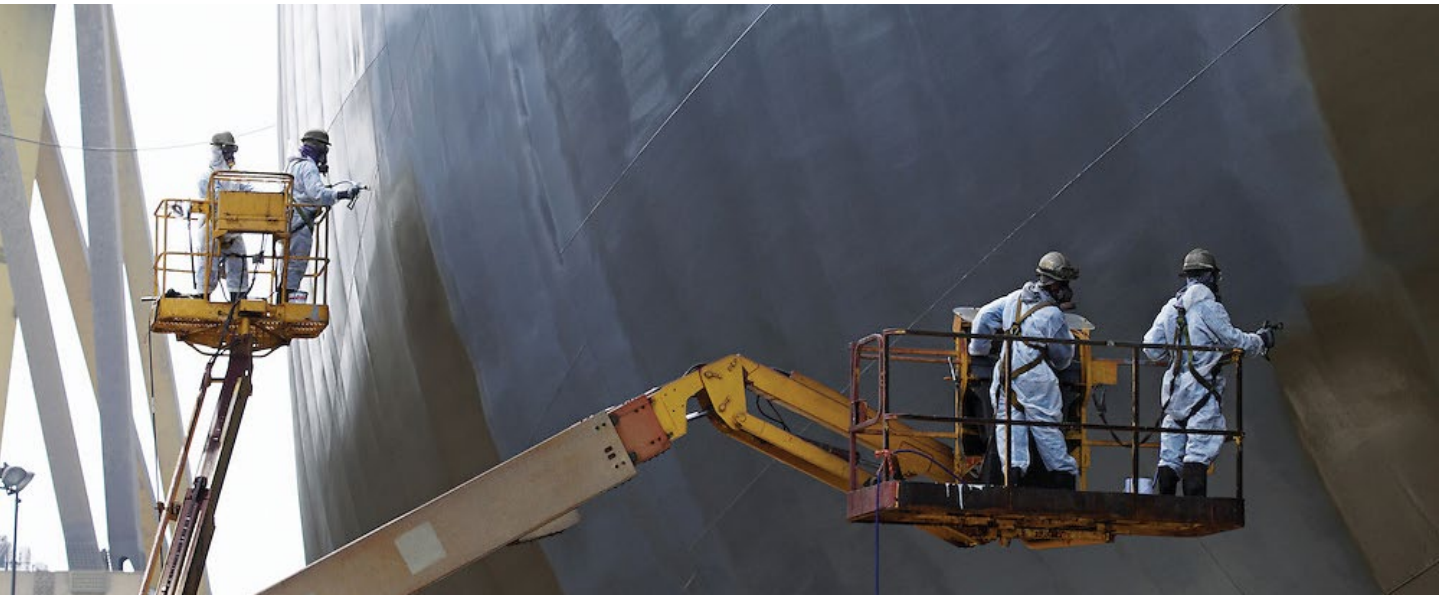
### Brush & Roll Painting

- Avoids overspray
- Full containment not necessary
- Ideal method when spray applications are not allowed

## INSPECTION & COATING PROGRAM ASSISTANCE

The USA DeBusk team includes Level 2 and 3 NACE-certified inspectors on-staff with expert knowledge to assist with coating specifications, non-destructive inspections, assessments, and recommendations.

We can develop maintenance coatings plans prioritized by severity, as well as detailed, long-term corrosion mitigation programs to keep assets in peak condition



## EQUIPMENT

- Blast pots (6 and 8 ton)
- Grit injection pots
- Airless paint units
- Conventional pots
- Airless and conventional guns
- Blast hoods
- Pressure washers, hoses, and wands
- Tank lights
- Moisture traps
- Nozzle lights
- Air drills
- De-sanders
- Blast nozzles
- Cheater cables
- Fire extinguishers
- Wheelbarrows
- Airless whips
- Airless and conventional paint lines
- Hood lines
- Harnesses/lanyards
- Large and small job boxes
- Face shields
- Electric drills
- Turbo tips for washer
- Extension poles
- Dead man switches and cords
- Blast power cords
- Air dryers (375 and 950)
- Lowboy trailers





**USADEBUSK**

**ADVANCED TECHNOLOGIES FOR SAFETY & SAVINGS**

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