

# CONTROLLED LIGHTNING SYSTEM



## Advantages

- Best-in-class performance
- Fully programmable and customizable spray patterns
- Class 1 Div 1 Certified
- Every unit undergoes individual inspection and certification
- Multiple nozzles can operate together as one coordinated system
- Enhanced cleaning efficiency for vessels, spheres, and atmospheric storage tanks
- Integrated software allows for project simulation during the planning phase
- Projects can be saved with notes for future turnaround adjustments
- FEA analysis in design ensures reliable, effective operations

USA DeBusk's Lightning System delivers advanced planning and cleaning solutions to industry partners. Building on a proven system widely used in Canada, USA DeBusk worked with the manufacturer to expand the system's capabilities.

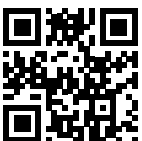
## CAPABILITIES

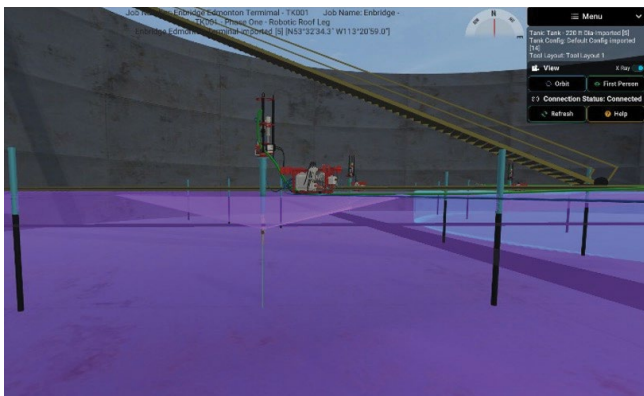
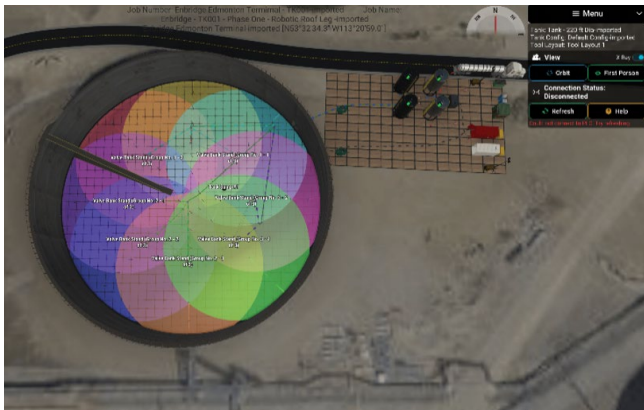
The Lightning System suits a variety of projects thanks to interchangeable nozzles and pump options. This flexibility allows a single unit to handle a broad range of flows and pressures for diverse cleaning requirements. With an effective reach of 60 feet and efficient design, your project benefits from stronger product impact. Lower pressure loss allows cleaning at levels typically requiring higher pressures.

## TYPICAL USAGE SCENARIOS

- Top-down AST Cleaning – With or Without Tank Sweeps
- Fixed-Roof Tank Cleaning
- Vessel Cleaning
- Sphere Cleaning
- API and OWS Cleaning
- Frac/Mix Tank Cleaning

System Pressure	Flow Rate	Nozzle Size
10,000 psig	57 gpm	0.14 inches
5,000 psig	121 gpm	0.25 inches
3,500 psig	195 gpm	0.375 inches
600 psig	250 gpm	0.55 inches

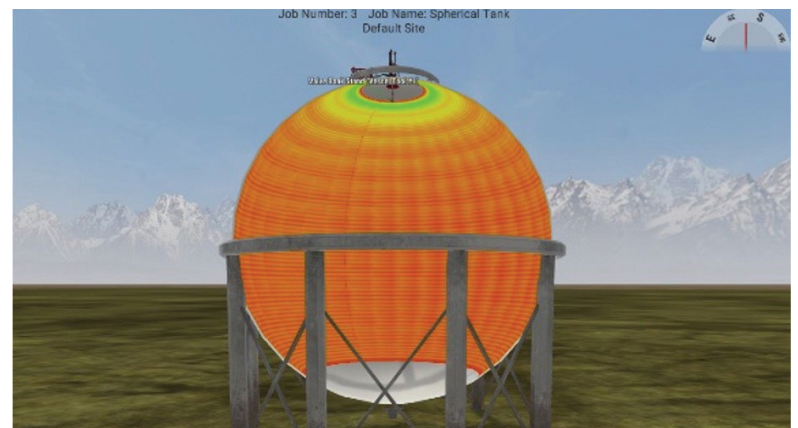
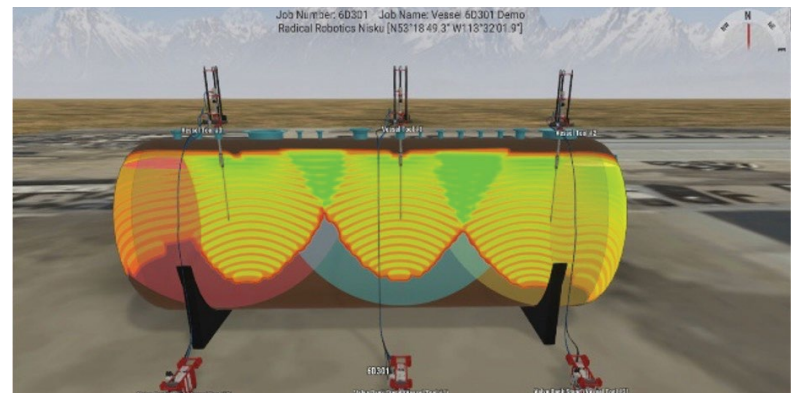




Each project is engineered for maximum safety, efficiency, and success in meeting customer goals and objectives. Comprehensive pre-project planning includes treatability studies and collaboration with plant personnel.

## FEATURES

- Digital Twin and Cleaning Simulation enhances efficiency, communication, and teamwork
- Various nozzle and pump configurations available
- The system integrates with equipment like tank sweeps, crawlers, and manway cannons
- Adaptable for use where other robotic solutions are limited
- Software receives regular updates, enabling new features for emerging cleaning challenges
- Scalable to suit application requirements
- Allows a single team to clean multiple vessels at once



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EFFICIENCY, TRUST  
THE EXPERTISE AND  
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