

# TURNAROUND SERVICES



## Advantages

- Enhances safety
- Reduces turnaround duration
- Eliminates earned delays
- Lowers costs
- Single point of contact and responsibility
- Updated reporting every shift

USA DeBusk has an extensive record of success with turnaround services for every area of plant operations, including FCC, sulfur recovery, alkylation, crude, ethylene, cokers, hydrotreaters, towers, separators, condensers, boilers, coolers, scrubbers, exchangers, and strippers. Our unique approach to turnaround planning and execution offers you advantages in speed, safety and savings.

## MULTI-SERVICE SYNERGY

We provide a broad range of specialty, high-value services and the ability to execute a large scope of turnaround services. Multi-service synergy allows us to take advantage of efficiencies in utilizing equipment and personnel, saving time, reducing costs, decreasing our overall footprint, and ensuring consistent, quality results. Advanced automation throughout our service lines increases speed, improves precision and productivity, and mitigates safety risks.

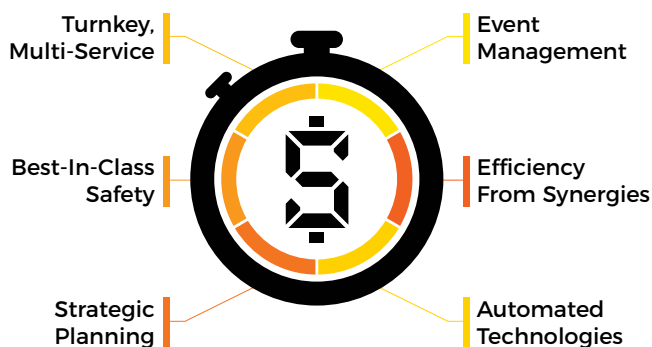
## BEST-IN-CLASS SAFETY

We operate according to the industry-leading safety guidelines. We develop project-specific safety plans incorporating both customer and USA DeBusk guidelines, make extensive use of automated technologies, and have dedicated safety professionals onsite at all times.

## STRATEGIC PLANNING

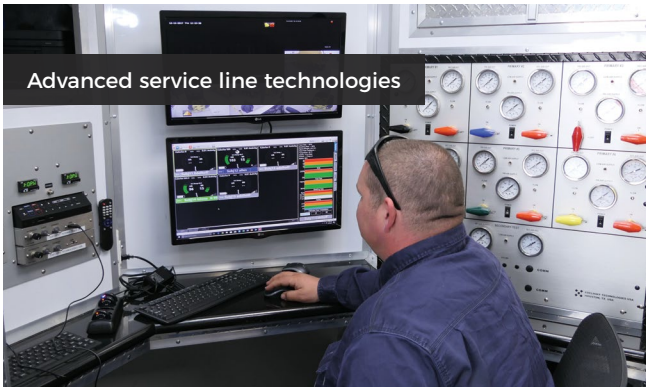
Our Event Manager and turnaround teams work with your engineering, operations, maintenance and HSE personnel to clarify the scope of work, identify potential problems, and develop safe, effective solutions to meet your objectives.

## Value





Strategic planning boosts efficiency



Advanced service line technologies



Safety focus in planning and execution

## TURNKEY TURNAROUND SUPPORT SERVICES

- Unit clearing and chemical cleaning
- Reactor cleaning
- Emission Control
- Hot catalyst removal
- Catalyst mechanical services
- Fluid bed catalyst services
- Fixed bed catalyst services
- Inert catalyst services
- Automated hydro blasting
- Pigging, decoking, & filtration
- Controlled-volume pigging
- Tank cleaning
- In-plant transportation
- Pipeline integrity management
- Precision hydro cutting
- Vacuum services
- Specialty line cleaning

## UNIT SPECIALTIES

- Specialized FCC unit services
- Specialized Coker unit services
- Automated technologies for all units
- Water recirculation for hydro blasting and pigging & decoking
- Flareless turnarounds for all units
- MSS vacuum trucks for all units

TURNAROUND SERVICES  
PROVIDE THE EXPERTISE  
TO CREATE EFFICIENCIES  
AND MANAGE PROJECTS  
FOR SUPERIOR RESULTS