

FIXED BED INERT CATALYST SERVICES



Advantages

- Safety innovations
- Fast turnaround
- Restored process performance
- Maximum catalyst recovery
- Detailed inspection and loading documentation



Purpose-built support equipment

USA DeBusk's fixed bed inert catalyst services restore the reliability and availability of reactors with efficiency and quality. Groundbreaking technologies and elite service teams assure safe and reliable project completion.

USA DeBusk provides true turnkey catalyst services to support routine maintenance and full unit turnarounds, including mechanical services, surface preparation for inspection, unloading/loading of catalyst, separation of spent material for regeneration and/or disposal, and transportation services.

SAFETY INNOVATION

USA DeBusk has implemented a variety of technologies and procedures to avoid overexertion, heat exhaustion and injuries, prevent accidents, minimize employee exposure to hazards and improve communication in this challenging work environment. Safety innovations include:

- Life Support Units with biometric personal monitoring systems for technicians entering confined spaces that allow supervisors to track heart rate, respiration rate, core body temperature, and body position in real time
- Locking air supply valve handles to prevent inadvertent interruption of breathing air to the technician
- Live Doppler weather radar map to monitor precipitation, wind conditions and lightning strikes within a 20 mile radius
- Low-pressure air systems with integrated communications
- Independently powered emergency alarm notification system
- Hands-free communication systems
- High-definition cameras for work area monitoring and quality assurance documentation
- NIOSH approved equipment for inert entry
- Remotely controlled robotic catalyst removal



ELITE TEAMS

USA DeBusk catalyst professionals are among the most experienced veterans in the industry.

- Management team has served customers throughout North America for more than 25 years
- Ongoing, intensive, hands-on training and mentoring for all inert entry and catalyst handling team members
- Project management oversight from bidding to execution to ensure the maximum executional efficiency, quality and cost control
- Team members trained in First Aid/CPR /AED, confined space rescue, high angle rescue, HAZWOPER, HazCom, and more
- Record of safe, on-time, on-budget project completions

PRODUCTIVE AND DEPENDABLE

USA DeBusk catalyst services are designed for high productivity, minimizing time on site and returning reactors to service faster.

- CO₂ gas expansion fracturing to dislodge fused catalyst deposits
- Optional multi-crew, round-the-clock operations
- Reliable, modern, well-maintained equipment
- Vacuum units specifically designed for catalyst handling
- Unitized support equipment for fast mobilization and setup
- Strategically located support centers
- Integration with full suite of USA DeBusk services



RETURN FIXED BED
REACTORS TO SERVICE
FASTER WHILE ASSURING
THE HIGHEST STANDARDS
OF SAFETY