

SERVICE LINES

Advanced Technologies for Sustainability and Savings

TURNAROUND SERVICES

Reliable, multi-service line project planning, management, and execution achieve your objectives, assure safety and add value throughout the turnaround.



COKER UNIT SERVICES

Support for emergency or planned outages, including temporary jet pump replacement, online fines removal, and specialty cleaning and decoking services.



UNIT DECONTAMINATION & CHEMICAL CLEANING

Custom-engineered, patented solutions with steam vapor phase and reactive chemistry technologies for faster, safer vessel entry.



REACTOR CLEANING

Patent technology integrates into high-pressure catalyst reactor shutdown procedures to save time, enhance cleaning, increase spent catalyst fluidity, and reduce nitrogen usage.



HOT CATALYST SERVICES




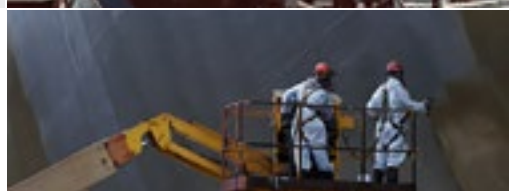


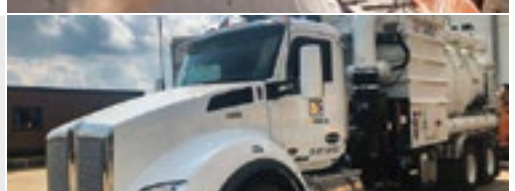


Cut entire days from your FCCU turnaround schedule and reduce the critical path by removing residual catalyst during shutdown. Our specialized equipment handles catalyst up to 1,250°F (677°C).



INERT CATALYST HANDLING

Remotely controlled robotic catalyst removal, biometric monitoring systems for technicians, and other advanced technologies are used to safely restore the availability of your reactors.



<p>PIGGING & DECOKING</p>	<p>TriMax™ pigging pumpers boost productivity by 50% as part of an advanced pigging, decoking and filtration system for furnace coils, boilers and piping systems.</p>	
<p>TANK CLEANING</p>	<p>Turnkey services include advanced robotics, material processing and waste minimization, plus integrated emission control, vacuuming and in-plant transportation.</p>	
<p>EMISSION CONTROL</p>	<p>Ensure safety and environmental compliance with complete vapor management services, including mobile scrubbers and vapor combustion with 99.9% DRE.</p>	
<p>COATINGS & PAINTING</p>	<p>Integrated surface preparation and a full scope of coating techniques streamline projects while improving safety and quality of work.</p>	
<p>HYDRO BLASTING</p>	<p>Full range of options, from computerized, three-dimensionally controlled automated systems to expertly performed manual procedures.</p>	
<p>HYDRO CUTTING</p>	<p>Specially engineered automated systems utilized for cutting metal and concrete with safety and precision.</p>	
<p>HYDRO EXCAVATION & VACUUMING</p>	<p>Protect people and underground assets by using pressure-controlled water for excavation.</p>	
<p>PIPELINE INTEGRITY</p>	<p>Services include pigging, fluid filtration, temporary flaring, chemical cleaning and treating, lab analysis, hydrotesting, commissioning/decommissioning, and project management.</p>	
<p>TRANSPORTATION, STORAGE & TRANSLOADING</p>	<p>Safe, reliable and cost-effective handling and transporting of catalyst, chemicals, waste and raw materials.</p>	

ELITE SERVICE TEAMS WITH STATE-OF-THE ART TECHNOLOGY ARE READY TO RESPOND NATIONWIDE.