













# SERVICE LINES

Advanced Technologies for Safety and Savings



<b>COATINGS &amp; PAINTING</b>	Integrated surface preparation and a full scope of coating techniques streamline projects while improving safety and quality of work.	
<b>COKER UNIT SERVICES</b>	Support for emergency or planned outages, including temporary jet pump replacement, online fines removal, and specialty cleaning and decoking services.	
<b>EMISSION CONTROL</b>	Ensure safety and environmental compliance with complete vapor management services, including mobile scrubbers and vapor combustion with 99.9% DRE.	
<b>FIELD SERVICES</b>	Pipeline and facilities construction, installation, repairs, maintenance, integrity services, and compliance programs for any energy, utility, or industrial application, above or below grade.	
<b>HOT CATALYST SERVICES</b>	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).	
<b>HYDRO BLASTING</b>	Full range of options, from computerized, three-dimensionally controlled automated systems to expertly performed manual procedures.	
<b>HYDRO CUTTING</b>	Specially engineered automated systems utilized for cutting metal and concrete with safety and precision.	
<b>HYDRO EXCAVATION &amp; VACUUMING</b>	Protect people and underground assets by using pressure-controlled water for excavation.	
<b>INERT CATALYST HANDLING</b>	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><b>INSPECTION</b></p>	<p>A single-source solution combining high-accuracy inspection with advanced tube cleaning provided as a seamless, integrated service by experienced experts.</p>	
<p><b>NITROGEN SERVICES</b></p>	<p>Nitrogen delivery and on-site generation (liquid and membrane) for plant or field operations, as well as for integrated support of complementary USAD services.</p>	
<p><b>OFFSHORE SERVICES</b></p>	<p>Patented vapor blast and coating for safe, productive surface preparation, plus on-site nitrogen for well service, hydrate remediation and artificial lift.</p>	
<p><b>PIGGING &amp; DECOKING</b></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><b>PIPELINE INTEGRITY</b></p>	<p>Services include pigging, fluid filtration, temporary flaring, chemical cleaning and treating, lab analysis, hydrotesting, commissioning/decommissioning, and project management.</p>	
<p><b>REACTOR CLEANING</b></p>	<p>Patent technology integrates into high-pressure catalyst reactor shutdown procedures to save time, enhance cleaning, increase spent catalyst fluidity, and reduce nitrogen usage.</p>	
<p><b>TANK CLEANING</b></p>	<p>Turnkey services include advanced robotics, material processing and waste minimization, plus integrated emission control, vacuuming and in-plant transportation.</p>	
<p><b>TRANSPORTATION, STORAGE &amp; TRANSLOADING</b></p>	<p>Safe, reliable and cost-effective handling and transporting of catalyst, chemicals, waste and raw materials.</p>	
<p><b>TURNAROUND SERVICES</b></p>	<p>Reliable, multi-service line project planning, management, and execution achieve your objectives, assure safety and add value throughout the turnaround.</p>	
<p><b>UNIT DECONTAMINATION &amp; CHEMICAL CLEANING</b></p>	<p>Custom-engineered, patented solutions with steam vapor phase and reactive chemistry technologies for faster, safer vessel entry.</p>	
<p><b>VAPOR BLASTING</b></p>	<p>Prepare surfaces for inspection, repairs and coating with low-pressure water/abrasive vapor technology that is safe and dust-free.</p>	

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