

# SERVICE LINES

Advanced Technologies for Safety and Savings

## COKER UNIT SERVICES

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

## EMISSION CONTROLS

Ensure safety and environmental compliance with complete vapor management services, including mobile scrubbers and vapor combustion with 99.9% DRE.

## FABRICATION SERVICES

ASME-coded fabrication of custom pressure vessels and equipment, with in-house CAD, code calc, and engineering support from veteran oil & gas industry experts.

## FIELD SERVICES

Pipeline and facilities construction, installation, repairs, maintenance, integrity services, and compliance programs for any energy, utility, or industrial application, above or below grade.

## 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).

## HYDRO BLASTING

Full range of options, from computerized, three-dimensionally controlled automated systems to expertly performed manual procedures.

## HYDRO CUTTING

Specially engineered automated systems utilized for cutting metal and concrete with safety and precision.

## HYDRO EXCAVATION & VACUUMING

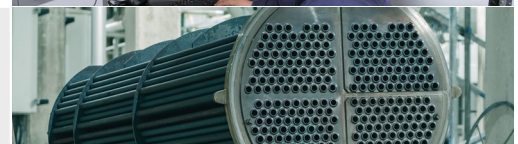
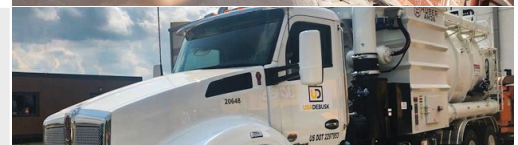
Protect people and underground assets by using pressure-controlled water for excavation.

## 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.

## INSPECTION

A single-source solution combining high-accuracy inspection with advanced tube cleaning provided as a seamless, integrated service by experienced experts.



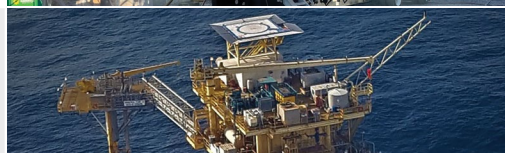
## NITROGEN SERVICES

Nitrogen delivery and on-site generation (liquid and membrane) for plant or field operations, as well as for integrated support of complementary USAD services.



## OFFSHORE SERVICES

Patented vapor blast and coating for safe, productive surface preparation, plus on-site nitrogen for well service, hydrate remediation and artificial lift.



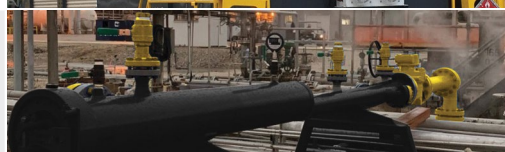
## PIGGING & DECOKING

TriMax™ pigging pumpers boost productivity by 50% as part of an advanced pigging, decoking and filtration system for furnace coils, boilers and piping systems.



## PIPELINE INTEGRITY

Services include pigging, fluid filtration, temporary flaring, chemical cleaning and treating, lab analysis, hydrotesting, commissioning/decommissioning, and project management.



## 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.



## TANK CLEANING

Turnkey services include advanced robotics, material processing and waste minimization, plus integrated emission control, vacuuming and in-plant transportation.



## TRANSPORTATION, STORAGE & TRANSLOADING

Safe, reliable and cost-effective handling and transporting of catalyst, chemicals, waste and raw materials.



## TURNAROUND SERVICES

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



## UNIT DECONTAMINATION & CHEMICAL CLEANING

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



## VAPOR BLASTING

Prepare surfaces for inspection, repairs and coating with low-pressure water/abrasive vapor technology that is safe and dust-free.



## VBX+™ EXCHANGER TUBE POLISHING

Single-pass polishing of exchanger tubes using a patented vapor blast system with high-precision automated efficiency and remote control for enhanced safety.



## WASTE SOLUTIONS

Cradle-to-grave hazardous and nonhazardous waste management programs integrating seamlessly with USA DeBusk services for a single-source waste solution.



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

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