

# MECHANICAL FIELD SERVICES

***Safety, Responsiveness, Quality and Cost Effectiveness***

***Turnkey, engineered solutions for repair, maintenance and project needs***

Cook Mechanical Field Services provides on-site maintenance, repair and complete overhaul services for compressors, pumps, turbines and other reciprocating and rotating equipment. For more than 20 years, we have served the diverse needs of energy, power generation, manufacturing and other heavy industries. Cook Mechanical Field Services has extensive experience in all segments of the oil and gas industry, from wellhead applications to gas gathering, processing, pipeline, refining and petrochemical processing.

Cook Mechanical Field Services handles all sizes and designs of machinery. We overhaul and repair simple air compressors, as well as gas compressors with discharge pressures up to 6,000 psi. We work on small process pumps, lift pumps, cooling tower pumps and large boiler feed pumps and have repaired turbines from 30 hp to 50,000 hp. From extruders and mixers to gear sets and rotors, we have the knowledge and experience to keep a full range of machinery operating reliably, efficiently and economically.

## COMPREHENSIVE MECHANICAL SUPPORT

Cook Mechanical Field Services provides repair, maintenance and project-oriented work in support of plant shut-downs, turnarounds, new construction and general maintenance. We offer a single-source solution for all parts, labor, logistics

and engineering support. We have the ability to handle every aspect of your project, from tear-down and inspection through final assembly and start-up.

Our diversity of services and wide-ranging experience enable us to handle a full range of challenges:

- **Routine Field Work**  
*Mechanical services for turnarounds, plant shutdowns and machine overhauls*
- **Contract Maintenance**  
*Full-time or periodic on-site services to establish condition-based maintenance for critical machinery*
- **Turnkey Projects**  
*Custom-engineered work to upgrade compressors and other equipment, often incorporating advanced Cook technologies and products*
- **Spares Inventory**  
*Storage of spare parts on a long- or short-term basis in our climate-controlled preservation building*

**Aftermarket  
Service Solutions**



## ADVANTAGES

- ▶ IMPROVED MACHINERY PERFORMANCE AND REGULATORY COMPLIANCE
- ▶ HIGHLY EXPERIENCED ENGINEERS, PROJECT MANAGERS AND TECHNICIANS
- ▶ TURNKEY SERVICE
- ▶ FLEXIBILITY AND QUICK RESPONSE
- ▶ MANAGED PRODUCTIVITY™ SOLUTIONS
- ▶ PREVENTIVE MAINTENANCE
- ▶ SUPERIOR SAFETY



## SHOP CAPABILITIES

Cook Mechanical Field Services operates full-service shops in Van Vleck and Odessa, Texas. Both facilities have heavy-lifting capabilities and other resources to perform services ranging from minor machine work to complete rebuilds. We offer a variety of cost-saving options, including re-rates for older compressors and the ability to procure, re-design and rebuild used machines to meet customer specifications.

- Compressor re-rates, overhauls and re-designs
- Component repair and remanufacturing
- Highly trained technicians
- Engineering and technical support

## MANAGED PRODUCTIVITY™ SERVICE

Mechanical Field Services are part of a comprehensive Managed Productivity™ suite of services available from Cook Compression. In addition to factory and field repairs, you can take advantage of a total package of support that includes diagnostic data acquisition, machine monitoring, machinery analysis, troubleshooting, consulting, engineering, planning, on-site training and more.

Managed Productivity relieves you of repair burdens and puts our team of experts in charge of maximizing

your machinery availability. Our ultimate goal is to deliver improvement that is engineered to specific needs – reducing your operating costs, eliminating chronic problems and improving machinery performance.



*Using advanced Windrock systems and instruments, we accurately monitor, trend, alarm and diagnose the mechanical condition and performance of reciprocating engines, compressors and pumps.*

## QUALITY & SAFETY

Cook Mechanical Field Services maintains a safety record among the best in the industry. Our commitment to safe practices and superior work is backed by stringent internal safety/quality programs and ongoing training of our employees. We continue to make significant investments in tools and equipment in order to apply the latest technology to our services.

For more information about Cook Mechanical Field Services and how we can improve machinery reliability and cost-effectiveness in your plant, contact your Cook Compression representative.



*Cook Mechanical Field Services uses advanced laser alignment equipment.*



*Cook Mechanical Field Services provides turnkey service, from disassembly and repair to start-up.*



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Compressor Valves | Capacity Control | Valve Restraining Systems | Rod Rings | Packing Cases | Piston Rings | Rider Rings  
 Pistons | Rods | Cylinder Liners | Compressor and Engine Repair Services | Diagnostics and Analysis Services | Online Monitoring  
 and Response Systems | Lubrication Systems and Services | Control and Automation | Engineering and Technical Support



*One Name, a World of Solutions*  
**CookCompression.com**