

Our Equipment: Reliable Support for Mining Excellence

Cakra Sigma provides reliable equipment support, ensuring peak performance and minimal interruptions for mining operations. We deliver well-maintained heavy machinery backed by experienced mechanical teams, proactive maintenance, and 24/7 technical support. Our commitment ensures your fleet operates efficiently, safely, and compliantly, even in demanding environments.

From on-site arrival through continuous operation, Cakra Sigma maintains rigorous standards to protect your investment and maximize productivity. Our integrated approach combines cutting-edge monitoring technology with hands-on expertise, tailored for the demanding conditions of coal mining. This document outlines our comprehensive equipment support framework, demonstrating how our systematic processes and dedicated teams keep your operations moving forward.

Mobilization and Preventive Maintenance Excellence

Equipment Mobilization Process

Cakra Sigma systematically mobilizes heavy equipment to project sites with meticulous inspections and testing before deployment, ensuring operational and safety readiness. Our team coordinates logistics, transportation, and site preparation to minimize delays. Equipment arrives verified, preventing costly startup issues and ensuring reliable long-term performance.

Preventive Maintenance Protocols

Cakra Sigma's mechanical team strictly follows routine preventive maintenance based on manufacturer specifications and best practices. Our systematic approach includes oil analysis, component inspections, filter replacements, and system diagnostics at predetermined intervals. This minimizes breakdowns, extends equipment lifespan, and protects your capital investment. Comprehensive maintenance records support warranty claims, resale value, and regulatory compliance.

01

Pre-Deployment Inspection

Complete system verification and safety certification

02

Site Commissioning

Transportation, setup, and operational testing

03

Scheduled Maintenance

Regular service intervals and component replacement

04

Performance Documentation

Comprehensive record-keeping and compliance tracking

Real-Time Monitoring and Mechanical Support

Cakra Sigma employs advanced digital systems and operator reports for real-time equipment monitoring, tracking metrics like fuel consumption, idle time, operating hours, and system alerts. This data-driven approach ensures proactive decision-making, optimizing deployment and preventing productivity issues.

Performance data is continuously analyzed to identify trends and anomalies. Correlating machine data with operator feedback provides a full understanding of equipment condition and utilization. This intelligence drives cost control, efficient maintenance scheduling, and peak fleet performance.

Digital Monitoring Systems

GPS, telematics, and sensor networks provide continuous equipment status.

Performance Analytics

Daily analysis of fuel efficiency, utilization, and productivity.

Operator Reporting

Shift reports capture on-ground observations and operational issues.

On-Site Mechanical Support Team

Cakra Sigma's skilled mechanics and technicians are stationed on-site for immediate repairs and inspections. Our teams possess deep expertise in mining equipment, ensuring rapid diagnosis and resolution of mechanical issues. This minimizes downtime by eliminating external service delays, keeping operations running.

Our team maintains detailed knowledge of your specific fleet, understanding each unit's characteristics and service history. They collaborate with operators to schedule repairs, coordinate parts, and ensure quality. Proximity means faster response, better communication, and superior outcomes.

Spare Parts Management and Inventory Control

Critical spare parts are stocked strategically to ensure immediate replacement, keeping fleet availability optimal. Our comprehensive inventory system tracks usage patterns, predicts future needs, and automates reordering to prevent stockouts.

We balance inventory investment with operational risk, stocking critical components that could cause extended downtime while utilizing just-in-time delivery for less critical items. Our team coordinates with manufacturers to ensure genuine parts and competitive pricing. Strategic positioning near your operations eliminates repair delays.

24/7

Parts Availability

Round-the-clock access to critical components

95%

Fleet Uptime

Target availability maintained through proactive parts management

Inventory Categories and Strategic Stocking

- **Wear Components:** High-replacement items (buckets, teeth, tracks) stocked for continuous operations.
- **Critical Systems:** Hydraulic, electronic, engine, and transmission parts to prevent major downtime.
- **Filters and Fluids:** Manufacturer-specified oils, coolants, filters, and lubricants for all units.
- **Electrical Components:** Sensors, switches, lighting, and wiring for rapid failure replacement.
- **Emergency Reserves:** Backup for critical components to address catastrophic failures.

Safety, Compliance, and Continuous Improvement

Safety Inspections

Daily pre-shift and weekly comprehensive inspections.

Operator Training

Comprehensive training on equipment, emergencies, and hazards.

Certification Management

Proactive tracking and renewal of all necessary certifications.

Continuous Improvement

Incident analysis, near-miss reporting, and safety meetings.

Our Commitment to Operational Excellence

Cakra Sigma's equipment support ensures operational success through reliable equipment, proactive maintenance, and unwavering safety. Partner with us for equipment support that delivers operational excellence, minimizing downtime and controlling costs.