



DGC INTEGRATED ASSET MANAGEMENT SOLUTIONS



**PIONEERING AFRICA'S INDUSTRIAL EVOLUTION
THROUGH INTELLIGENT ASSET MANAGEMENT**

www.dgc-africa.com

SOUTH AFRICA ZAMBIA DEMOCRATIC REPUBLIC OF CONGO MADAGASCAR ZIMBABWE BRAZIL CHINA



For over 115 years, **DGC** has been a cornerstone of Africa's industrial development. Founded in 1910, the company began as a pioneering industrial service provider and has evolved into a global leader, delivering tailored solutions to meet the dynamic demands of modern industries. Through technological revolutions, economic cycles, and industrial transformations, **DGC** has upheld its commitment to innovation, integrity, and measurable success for its customers. Today, **DGC Integrated Asset Management Solutions** stands as the African-centric business-to-business partner of choice for large customers in capital-intensive industries.

**OUR EXPERTISE SPANS ACROSS
MINING & MINERALS, OIL, GAS
& RELATED PROCESS INDUSTRIES,
AS WELL AS ENERGY & UTILITY INFRASTRUCTURE
OPERATORS SEEKING TO MATERIALLY IMPROVE
THEIR FIXED ASSET OPERATIONS.**

This position of leadership has been achieved through our unwavering commitment to excellence and our deep understanding of Africa's unique industrial landscape.



The formation of **DGC Integrated Asset Management Solutions** through the strategic integration of **DGC, EAMS, and Engconomics** represents a pivotal moment in our journey. This merger combines over a century of expertise with cutting-edge digital capabilities and advanced engineering services, enabling us to deliver quantifiable value through:

INCREASED PLANT AVAILABILITY
from typical levels of 60% to over 90%

REDUCTION IN MAINTENANCE COSTS
from 20-30% to 10-15% of revenue

REDUCTION IN TOTAL EFFECTIVE MAINTENANCE COST
from 60-70% to 20-25% of theoretical maximum revenue

VALUE OPPORTUNITY OF 35-60%
through proactive maintenance transformation

OUR MISSION

focuses on empowering organizations to achieve unprecedented levels of operational excellence through comprehensive asset management strategies.

We guide our clients in:

- **Optimizing return on investment in plant and equipment assets** through advanced analytics and proven methodologies
- **Managing asset integrity, operational risk, and safety** throughout the complete infrastructure lifecycle
- **Implementing real-time, technology-enabled equipment condition monitoring** and sophisticated data analytics
- **Achieving significant cost savings and efficiency gains** across the operational value chain
- **Developing and upskilling maintenance workforces** while enhancing asset management capabilities.

Our impact extends across Africa, allowing us to develop deep local expertise while maintaining a global perspective. This extensive presence enables us to navigate the complexities of diverse markets, tailoring our solutions to meet the unique needs of our clients.

OUR UNWAVERING COMMITMENT TO SUSTAINABLE DEVELOPMENT REMAINS A CORNERSTONE OF OUR OPERATIONS, ENSURING THAT OUR SERVICES ARE CAREFULLY ALIGNED WITH OUR CLIENTS' ENVIRONMENTAL, SOCIAL, & GOVERNANCE (ESG) OBJECTIVES



DIGITAL INNOVATION: TRANSFORMING THE INDUSTRIAL LANDSCAPE

In today's rapidly evolving industrial environment, the adoption of advanced digital technologies is no longer optional - it is a fundamental necessity for maintaining competitiveness and operational resilience. DGC leads with a digital-first approach, leveraging cutting-edge innovations to redefine how asset integrity and maintenance services are delivered, monitored, and optimized across Africa's industrial landscape.

While few industrial service providers globally have implemented comprehensive digital capabilities, DGC stands at the forefront of technological advancement in Africa. Our solutions drive measurable outcomes, ensuring operational continuity, cost reductions, and improved efficiency, all validated by rigorous industry research and implementation data. This commitment to digital excellence has established us as a pioneer in the digital transformation of industrial maintenance and asset management.



ADVANCED DIGITAL SOLUTIONS

IoT AND REAL-TIME ANALYTICS

Our infrastructure forms the backbone of proactive maintenance strategies, delivering actionable insights through comprehensive sensor networks. This sophisticated system has achieved documented downtime reduction across asset-intensive industries, enabling unprecedented operational visibility and rapid response capabilities.

DIGITAL TWIN TECHNOLOGY

The implementation represents a quantum leap in asset management sophistication. By creating virtual replicas of physical assets, we enable advanced modelling and scenario testing that has delivered verified operational savings through optimized asset utilization and reduced failure rates. Organizations can now test operational changes in risk-free virtual environments, optimize maintenance schedules without disrupting production, and enhance system reliability with unprecedented precision.

AI-POWERED MAINTENANCE SYSTEMS

Our solutions leverage cutting-edge artificial intelligence and machine learning algorithms to transform predictive maintenance. These advanced systems consistently deliver savings on repair costs through early fault detection and optimal resource allocation. The continuous learning capabilities ensure ever-improving accuracy in predicting and preventing equipment failures.

MOBILE SERVICE PLATFORMS

The deployment has revolutionized field operations, demonstrating significant reduction in response and repair times. Our field engineers and technicians utilize advanced mobile tools for real-time data access, instant collaboration with remote experts, and streamlined maintenance workflows, ensuring rapid and effective service delivery.



MEASURABLE DIGITAL TRANSFORMATION BENEFITS

Through strategic integration of these technologies, our clients achieve:

- **Substantial reduction in operational costs** through optimized maintenance scheduling and resource allocation
- **Enhanced asset reliability and performance** via predictive analytics and early warning systems
- **Improved safety and regulatory compliance** through automated monitoring and reporting
- **Real-time visibility** into asset health and performance metrics
- **Data-driven decision-making capabilities** supported by advanced analytics
- **Sustainable operational excellence** through continuous system learning and improvement

IMPLEMENTATION EXCELLENCE

Our digital transformation approach is meticulously tailored to each client's specific needs, considering:

- **Existing** technological infrastructure and capabilities
- **Operational constraints** and requirements
- **Strategic** business objectives and growth plans
- **Local** conditions and resource availability
- **Current** maintenance practices and maturity levels
- **Staff capabilities** and training needs

This customized approach, combined with our deep industry expertise and comprehensive digital portfolio, enables us to deliver sustainable value improvement across all aspects of asset management and maintenance operations. Our commitment to continuous validation and improvement ensures that these benefits are consistently achieved and enhanced through our long-term partnerships.

UNLOCK THE VALUE OF PROACTIVE MAINTENANCE

At DGC, we guide organizations through a transformative journey across four distinct maintenance maturity levels. Each stage represents a significant advancement in operational excellence and value creation, supported by our extensive research and implementation experience in Mining and Mineral Resource Industries.

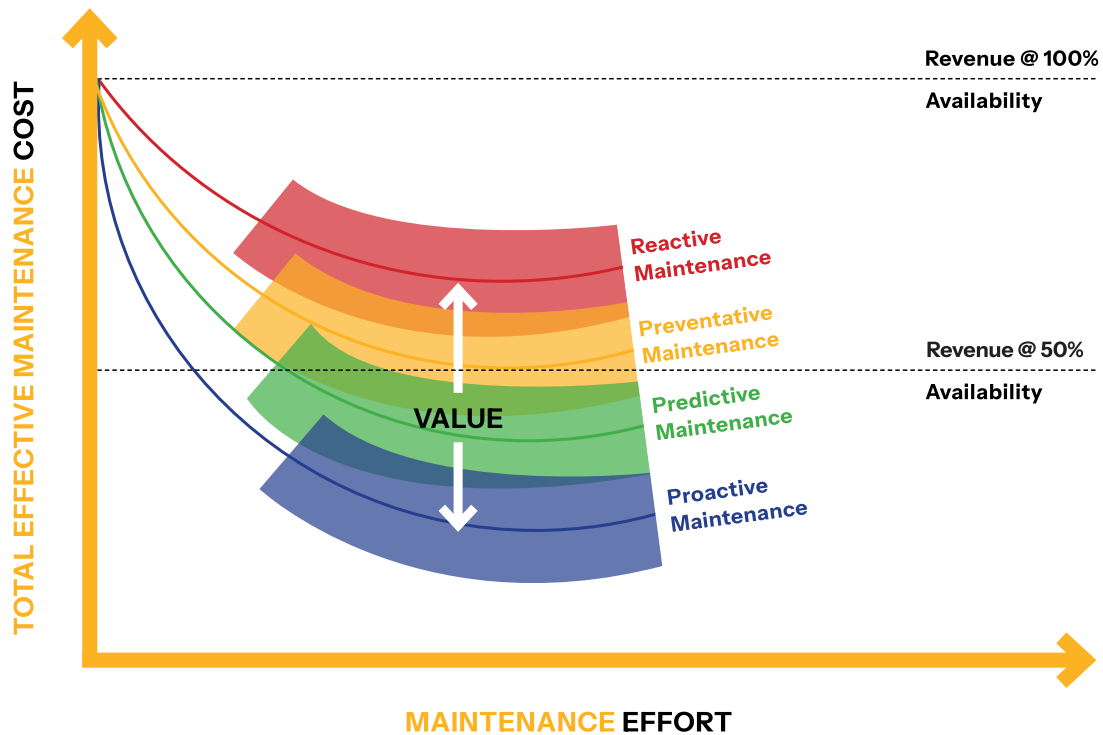
OUR DATA-DRIVEN METHODOLOGY HAS CONSISTENTLY DEMONSTRATED THE SUBSTANTIAL VALUE CREATION POTENTIAL OF EVOLVING MAINTENANCE STRATEGIES

Industry accepted definitions of the range of Maintenance Approaches are as follows:	MAINTENANCE APPROACHES			
	Based on Maintenance Team Focus and Level of Effort			
PLANT / EQUIPMENT MAINTENANCE ACTIVITIES	REACTIVE MAINTENANCE	PREVENTATIVE MAINTENANCE	PREDICTIVE MAINTENANCE	PROACTIVE MAINTENANCE
Repairs or replacement activities Triggered by functional failures or notifications from operators / maintenance personnel based on observable partial failures	Predominant focus (>50%)	Relatively less time	Little time	Little time
Scheduled, preventative maintenance activities Incl. inspections, servicing, or time / usage-based replacements or refurbishments	Relatively less time	Predominant focus (>70%)	Relatively less time	Relatively less time
Condition based activities Incl. on condition monitoring, condition-based repairs or replacements	Little time	Little time	Predominant focus (>50%)	Predominant focus (>50%)
Continuous improvement activities Incl. root-cause analyses & design improvements	No time	No time	Little time	Significant focus >10%

THE VALUE IMPACT OF MAINTENANCE EVOLUTION

The Total Effective Maintenance Cost represents a critical metric in asset performance evaluation, combining both direct maintenance costs (labour, materials, and technology) and the indirect costs of lost production.

This comprehensive measure is expressed as a percentage of theoretical maximum revenue potential - the revenue achievable when an asset operates at full nameplate capacity with perfect availability. This sophisticated measurement approach enables precise quantification of value opportunities across assets of any size or capacity.



THE MAINTENANCE EVOLUTION JOURNEY & VALUE CREATION

Our extensive research and implementation experience across the mining and mineral resource sector demonstrates the dramatic impact of different maintenance approaches on operational performance:

REACTIVE MAINTENANCE - THE STARTING POINT

When operating under a predominantly reactive maintenance approach, organisations typically achieve maximum plant availability of around 60%. With over 50% of activities focused on emergency repairs, this approach leads to high maintenance costs of 20-30% of revenue and results in a Total Effective Maintenance Cost of 60-70% of theoretical maximum revenue potential. This mode is characterized by crisis-driven responses, unpredictable downtime, elevated safety risks, and limited workforce development opportunities.

PREVENTATIVE MAINTENANCE - BUILDING STRUCTURE

This represents the first major step toward maintenance optimization, with over 70% of activities following planned schedules. Organisations implement systematic inspection routines, scheduled servicing programmes, and time-based replacement strategies. This structured approach delivers improved spare parts management, enhanced workforce planning, better budget control, and enhanced regulatory compliance.

PREDICTIVE MAINTENANCE - DATA-DRIVEN EXCELLENCE

At this advanced level, over 50% of maintenance activities are guided by condition monitoring and data analysis. This approach transforms decision-making through real-time equipment monitoring, performance trend analysis, and optimised resource allocation. Enhanced reliability engineering practices, risk-based maintenance planning, and advanced diagnostic capabilities integrate seamlessly with business systems to drive continuous improvement.

PROACTIVE MAINTENANCE - ACHIEVING PEAK PERFORMANCE

Building on predictive capabilities, organisations at this level achieve sustainable competitive advantage through superior asset performance. This approach consistently delivers plant availability exceeding 90%, with maintenance costs optimised to 10-15% of revenue. The resulting Total Effective Maintenance Cost reduces dramatically to 20-25% of theoretical maximum revenue potential, unlocking value opportunities of 35-60%.



THE VALUE TRANSFORMATION ADVANTAGE

As an Independent Outsourced Maintenance Service Provider, DGC delivers substantial value beyond traditional solutions. While in-house maintenance typically achieves a mix of reactive and preventative approaches, and OEM outsourcing focuses primarily on preventative maintenance, our comprehensive approach enables organisations to capture significant untapped value through:

- A holistic approach to maintenance optimization
- Strategic focus on predictive and proactive methodologies
- Independent assessment and recommendations
- Cost-effective solutions compared to OEM services
- Flexible, technology-enabled service delivery
- Continuous improvement programming
- Comprehensive performance monitoring

THROUGH CAREFUL ANALYSIS OF CURRENT PERFORMANCE METRICS & POTENTIAL IMPROVEMENTS, OUR TEAM HELPS ORGANISATIONS UNDERSTAND, PLAN, & EXECUTE THEIR MAINTENANCE TRANSFORMATION JOURNEY

We begin each engagement with an in-depth assessment of the client's current maintenance approach, developing quantifiable business cases tailored to each organisation's unique circumstances and objectives.

This comprehensive approach has consistently delivered substantial value across diverse operations throughout Africa's mining and mineral processing sector. By combining our deep understanding of maintenance excellence with practical implementation experience, we help organisations achieve and sustain world-class operational performance, creating sustainable competitive advantages through optimized asset performance and reduced total cost of ownership.



DGC'S STRATEGIC ENGAGEMENT PROCESS

At DGC, we begin every client partnership with a comprehensive evaluation of existing maintenance practices to quantify potential value opportunities. Our systematic assessment process examines current plant availability, maintenance costs, and operational efficiency to determine the full value potential of implementing our Proactive Maintenance

INITIAL ASSESSMENT & VALUE DISCOVERY

Our team conducts a thorough analysis of your current maintenance operations, utilizing advanced diagnostic tools and industry benchmarks to identify specific areas for improvement. **This evaluation encompasses:**

ASSET PERFORMANCE ASSESSMENT

- Plant** availability and reliability metrics
- Critical** asset performance analysis
- Process** efficiency measurement
- Technology** utilization evaluation

MAINTENANCE PRACTICE EVALUATION

- Current** maintenance maturity level
- Cost** structure analysis
- Resource** allocation patterns
- Workforce** capability assessment

COMPLIANCE & SUSTAINABILITY

- Safety** and compliance standards
- Environmental** impact considerations
- Risk** management protocols
- Sustainability** practices

THREE-PHASE IMPLEMENTATION METHODOLOGY

Our team conducts a thorough analysis of your current maintenance operations, utilizing advanced diagnostic tools and industry benchmarks to identify specific areas for improvement. **This evaluation encompasses:**



PHASE 1

KEY ACTIVITIES INCLUDE:

- **Comprehensive** baseline performance measurement
- **Detailed** value opportunity quantification
- **Strategic** asset criticality analysis
- **Quick-win** opportunity identification
- **Development** of customized implementation roadmap
- **Stakeholder alignment** and engagement planning
- **Initial capability gap assessment**

This initial diagnostic phase establishes the foundation for transformation by developing a comprehensive understanding of your current operations and identifying specific value capture opportunities. We conduct detailed assessments, establish performance baselines, and develop a tailored implementation roadmap that aligns with your strategic objectives.



PHASE 2

KEY ACTIVITIES INCLUDE:

- **Prioritized** implementation in critical areas
- **Rapid improvement** methodology deployment
- **Real-time** performance monitoring systems
- **Targeted** capability building programs
- **Value capture tracking** and reporting
- **Change** management support
- **Technology integration** and optimization
- **Process standardization** and improvement

During this crucial phase, we concentrate on high-impact areas to demonstrate value and build momentum. Through targeted interventions and rapid improvement methodologies, we implement key initiatives while building internal capabilities and establishing performance monitoring systems.



PHASE 3

KEY ACTIVITIES INCLUDE:

- **Full system deployment** across operations
- **Comprehensive** improvement protocols
- **Structured** knowledge transfer programs
- **Performance** sustainability measures
- **Long-term** value realization tracking
- **Continuous improvement** mechanisms
- **Advanced** analytics implementation
- **Cultural transformation** support

This phase ensures long-term success through full system deployment and cultural transformation. We focus on embedding new practices, transferring knowledge, and establishing mechanisms for continuous improvement to create sustainable, long-term value.



MEASURABLE IMPLEMENTATION BENEFITS

Our proven implementation approach typically delivers:

PERFORMANCE IMPROVEMENTS

- **20-30% availability improvement** in targeted areas within first 6 months
- **15-25% maintenance cost reduction** in Year 1
- **35-60% potential value opportunity realization** within 18-24 months

OPERATIONAL ENHANCEMENTS

- **Sustainable performance improvements** across operations
- **Enhanced organizational capabilities** and competencies
- **Improved safety** and environmental performance
- **Optimized resource utilization** and productivity



PARTNERSHIP APPROACH

Throughout the implementation process, we emphasize true partnership and knowledge transfer. Our team works closely with your personnel, building internal capabilities and ensuring sustainable performance improvement long after our formal engagement ends.

This collaborative approach creates lasting value through:

CAPABILITY BUILDING

- **Embedding** proactive maintenance practices into operational DNA
- **Developing** internal champions and experts
- **Creating** sustainable improvement mechanisms
- **Building** continuous learning capabilities

PERFORMANCE SUSTAINABILITY

- **Establishing robust monitoring** systems
- **Regular performance reviews** and adjustments
- **Rapid adaptation** to changing conditions
- **Focus on core value drivers** and strategic objectives

Through this comprehensive and structured engagement process, DGC helps organizations achieve and sustain world-class operational performance. Our proven methodology, combined with our deep understanding of African industrial operations and global best practices, ensures that improvements are not just implemented but become embedded in your organization's operational DNA.

BY PARTNERING WITH DGC, YOU GAIN ACCESS TO OVER A CENTURY OF EXPERTISE, CUTTING-EDGE TECHNOLOGIES, & A COMMITMENT TO DELIVERING MEASURABLE, SUSTAINABLE VALUE THAT EXTENDS WELL BEYOND THE INITIAL ENGAGEMENT



COMPREHENSIVE SERVICES TAILORED TO INDUSTRY NEEDS

DGC stands at the forefront of African industrial services, delivering precisely tailored solutions optimized for the mining and minerals processing sector. With decades of experience and unparalleled understanding of the complete mining value chain, we provide integrated solutions that seamlessly span extraction, processing, and compliance requirements. Our approach combines cutting-edge technology, deep engineering expertise, and innovative strategies to enhance operational efficiency, optimize asset performance, and drive sustainable growth across Africa's diverse industrial landscape.



PROCESS OPTIMISATION & DECISION SUPPORT SOLUTIONS

We unlock your operations' full potential through comprehensive process optimisation and decision support solutions. Our expert team harnesses advanced analytics, simulation, and modelling technologies to transform operational performance. This data-driven approach enables real-time optimization of processes, enhanced energy efficiency, and accelerated digital transformation across your enterprise.



ADVANCED ANALYTICS & VISUALISATION

OUR TEAM OF SPECIALISTS
EMPLOYS CUTTING-EDGE
ANALYTICAL TOOLS
TO IDENTIFY PATTERNS, TRENDS,
& OPTIMIZATION
OPPORTUNITIES WITHIN COMPLEX
OPERATIONAL DATASETS

KEY CAPABILITIES INCLUDE:

- **Real-time data** analytics and visualisation platforms delivering actionable insights
- **Machine learning**-powered pattern recognition & predictive modelling
- **Performance benchmarking** against industry standards
- **Interactive** dashboard development & customization
- **Advanced** reporting & analytics automation
- **Multi-variable** correlation analysis

TECHNO-ECONOMIC MODELLING

OUR SOPHISTICATED MODELLING CAPABILITIES
ENABLE ORGANISATIONS TO
SIMULATE & OPTIMIZE
OPERATIONS BEFORE
IMPLEMENTING PHYSICAL CHANGES THROUGH:

- **Process flow** optimization and bottleneck analysis
- **Equipment** performance simulation and optimization
- **Capacity** utilization modelling and enhancement
- **Detailed cost-benefit** scenario analysis
- **Risk assessment** and mitigation strategies
- **Resource allocation** optimization
- **Production scheduling** optimization



PLANT RELIABILITY & THROUGHPUT ENHANCEMENT

WE COMBINE HISTORICAL PERFORMANCE DATA
WITH ADVANCED STATISTICAL
ANALYSIS TO DEVELOP
COMPREHENSIVE MODELS THAT:

- **Identify and eliminate** production bottlenecks
- **Predict and prevent** potential failures
- **Optimize** production schedules and resource allocation
- **Enable** proactive maintenance planning
- **Enhance** overall equipment effectiveness (OEE)
- **Improve** production quality and consistency
- **Reduce** unplanned downtime

DIGITAL TRANSFORMATION ENABLEMENT

WE HELP ORGANISATIONS LEVERAGE INDUSTRY 4.0 TECHNOLOGIES
FOR IMPROVED PERFORMANCE THROUGH:

- **IoT sensor** networks and data collection
- **Cloud-based** analytics platforms
- **Artificial Intelligence & Machine Learning** integration
- **Digital twin** implementation
- **Automated** optimization systems
- **Integrated** performance monitoring
- **Predictive** maintenance solutions

Through the integration of these advanced capabilities, we deliver process optimisation solutions that drive sustained performance improvement. Our data-driven methodology, combined with deep industry expertise, ensures optimisation initiatives deliver measurable value while building long-term operational capabilities.

ASSET MANAGEMENT & RELIABILITY IMPROVEMENT SOLUTIONS

We maximise the value of physical assets, extend equipment lifespan and minimize downtime through our comprehensive Asset Management (AM) solutions. Through structured methodologies and proven frameworks, we help organisations build robust asset management capabilities that drive sustainable performance improvement. Our approach aligns with global standards while addressing the unique challenges of African industrial operations.



STRATEGIC ASSET MANAGEMENT FRAMEWORK

Our comprehensive framework ensures organizations develop and implement effective asset management strategies through:

- **In-depth AM audits and maturity assessments** identifying strategic improvement opportunities
- **Development** of robust AM policies and strategic asset management plans (SAMP)
- **Customised AM training programs** and implementation frameworks aligned with ISO 55000
- **Organisational design optimization** for effective asset management
- **Implementation** of the Asset Management Body of Knowledge (AMBoK) toolkit
- **Performance monitoring** and continuous improvement systems

LIFECYCLE OPTIMIZATION

We employ advanced modelling and analysis techniques to optimize asset performance throughout their lifecycle:

- **Comprehensive lifecycle modelling** incorporating reliability, maintenance, and cost factors
- **Strategic asset lifecycle planning** and optimization for capital investment decisions
- **Risk-based maintenance strategy development** and implementation
- **Total cost** of ownership optimization
- **Asset replacement** and renewal planning
- **Performance** and condition trend analysis
- **Capital investment** optimization strategies



RELIABILITY IMPROVEMENT

Our structured approach to reliability improvement incorporates industry-leading methodologies:

- Reliability Centred Maintenance (RCM) implementation
- Failure Mode Effects & Criticality Analysis (FMECA)
- Root Cause Analysis (RCA) & corrective action programs
- Optimised maintenance task design & planning
- Critical asset performance optimization
- Reliability data analysis & trending
- Performance improvement programs

IMPLEMENTATION SUPPORT

We ensure successful transformation through comprehensive implementation support:

- Detailed implementation planning & execution
- Change management & stakeholder engagement
- Performance tracking & benefits realization
- Knowledge transfer & capability building
- Integration with existing systems & processes
- Regular review and optimization
- Sustainable improvement mechanisms

THIS INTEGRATED APPROACH TO ASSET MANAGEMENT DELIVERS MEASURABLE IMPROVEMENTS IN ASSET PERFORMANCE, RELIABILITY, & COST-EFFECTIVENESS WHILE BUILDING THE ORGANIZATIONAL CAPABILITIES NEEDED FOR LONG-TERM SUCCESS



EQUIPMENT PERFORMANCE & RISK MANAGEMENT SOLUTIONS

We enhance the performance and manage risks of critical equipment through comprehensive integrity management services. Our approach ensures regulatory compliance while maintaining safe, reliable operations and minimizing unplanned downtime through proactive risk management and performance optimization. This integrated methodology addresses both immediate operational needs and long-term asset sustainability.



TECHNICAL ASSESSMENT & OPTIMIZATION

- **Critical equipment performance optimization** and monitoring systems
- **Process unit optimization** for key equipment systems including crushers, mills, conveyor systems, screens, leaching plants, and concentrators
- **Detailed integrity assessments** and management programs
- **Risk-based inspection** planning and execution methodologies
- **Regulatory compliance assurance** and documentation



ASSET INTEGRITY MANAGEMENT SOLUTIONS

- **Structural** integrity management solutions (SIMS)
- **Rotating equipment** and machinery integrity programs
- **Electrical** equipment integrity assurance
- **Pipeline** integrity management systems
- **Pressure vessel** integrity programs
- **Instrument** and control equipment integrity
- **Safety** instrumented systems (SIS) management
- **Evacuation** and emergency response system integrity



PERFORMANCE ENHANCEMENT PROGRAMS

- **Equipment** efficiency analysis and enhancement
- **Process unit** optimization strategies
- **Performance monitoring** and trending
- **Bottleneck** identification and elimination
- **Energy** efficiency optimization
- **Capacity** utilization improvement
- **Quality** control enhancement
- **Operating** cost reduction

THROUGH OUR COMPREHENSIVE MAINTENANCE SERVICE SOLUTIONS, WE ENSURE RELIABLE, EFFICIENT, & COST-EFFECTIVE OPERATION OF YOUR ASSETS WHILE BUILDING SUSTAINABLE MAINTENANCE CAPABILITIES WITHIN YOUR ORGANIZATION



SPECIALIST MAINTENANCE SERVICE SOLUTIONS

At DGC, we deliver a comprehensive range of specialized maintenance services tailored to enhance equipment reliability and performance. Our expert teams combine technical excellence with industry-leading methodologies to provide solutions that extend asset life and optimize operational efficiency while maintaining the highest standards of quality and safety.

ADVANCED TECHNICAL SERVICES

- **Precision alignment and installation** using advanced laser technology
- **Advanced wear lining** and hard facing applications
- **Complete bearing refurbishment** and reliability enhancement
- **Professional conveyor belt splicing** and vulcanizing services
- **Specialized valve refurbishment** and testing
- **Motor rewinding** and electrical system optimization
- **Custom fabrication** and precision machining solutions
- **Expert welding** for critical applications





QUALITY ASSURANCE & INSPECTION

- **Advanced NDT (Non-Destructive Testing) services** using state-of-the-art equipment
- **Risk-based inspection (RBI)** implementation and management
- **Technical quality control** protocols and documentation
- **Defect identification** and mitigation strategies
- **Compliance verification** and certification processes
- **Continuous improvement** of inspection methodologies
- **Performance monitoring** and reporting
- **Technical specification** development

SPECIALIZED EQUIPMENT SERVICES

- **Critical equipment** overhaul and repair
- **Gearbox** maintenance and rebuilding
- **Pump** maintenance and optimization
- **Compressor** service and maintenance
- **Heat exchanger** maintenance
- **Crusher** maintenance and optimization
- **Screen** maintenance and repair
- **Specialized equipment** calibration

TECHNICAL SUPPORT EXCELLENCE

- **On-site** technical advisory services
- **Emergency** repair support
- **Equipment performance** optimization
- **Root cause failure** analysis
- **Technical training** and mentoring
- **Standard operating procedure** development
- **Best practice** implementation
- **Technology** transfer and support



THROUGH THESE SPECIALIST MAINTENANCE SERVICES, WE HELP ORGANIZATIONS ACHIEVE & MAINTAIN WORLD-CLASS EQUIPMENT RELIABILITY WHILE OPTIMIZING MAINTENANCE COSTS & EXTENDING ASSET LIFE

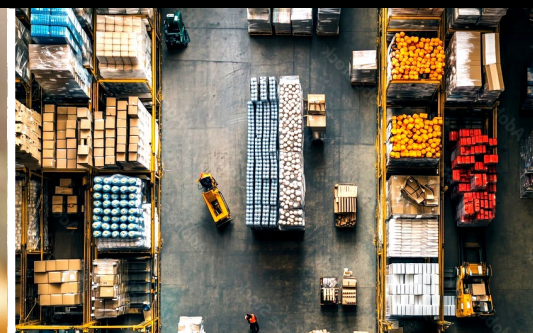
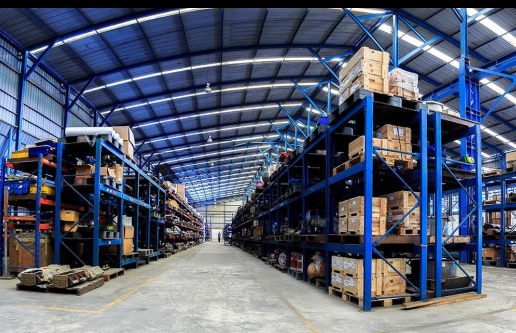
MRO PARTS INVENTORY & PROCUREMENT SOLUTIONS

DGC delivers comprehensive MRO (Maintenance, Repair, and Operations) solutions that transform inventory management and procurement processes through advanced data-driven methodologies. Our integrated approach ensures optimal parts availability while minimizing carrying costs and preventing costly stockouts. By combining industry expertise with cutting-edge technology, we help organisations achieve significant cost reductions while maintaining or improving operational reliability.



INVENTORY OPTIMIZATION SERVICES

- **Advanced parts cataloguing** with standardized nomenclature and specifications
- **Comprehensive data integrity management** and optimization protocols
- **Strategic critical spares analysis** with risk-based stocking recommendations
- **Dynamic inventory optimization** using advanced algorithms
- **Warehouse process reengineering** and layout optimization
- **Real-time inventory tracking** and management systems
- **Stock level optimization** and control
- **Obsolescence** management strategies



WAREHOUSE MANAGEMENT EXCELLENCE

- **Best practice** warehouse operations implementation
- **Inventory accuracy** improvement programs
- **Storage optimization** and space utilization
- **Material handling** process optimization
- **Picking and packing** efficiency improvement
- **Quality control** and inspection protocols
- **Receiving and dispatch** optimization
- **Inventory security** management

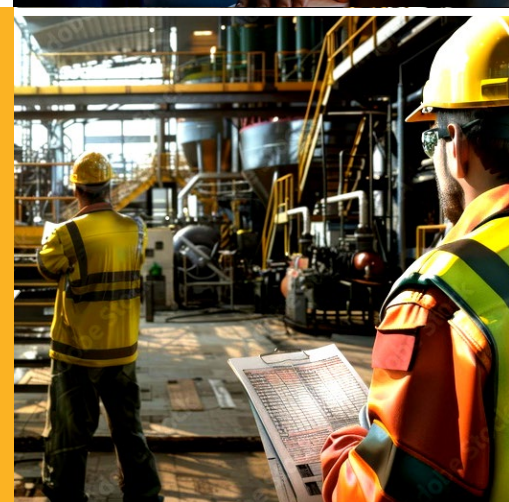
STRATEGIC PROCUREMENT SOLUTIONS

- **Vendor performance monitoring** and optimization programs
- **Strategic sourcing initiatives** with cost reduction focus
- **Supply chain efficiency** improvement and risk mitigation
- **Lead time reduction** through process optimization
- **Digital procurement** platform implementation
- **Contract management** and optimization services
- **Supplier relationship** management
- **Cost-saving** opportunity identification

PERFORMANCE MONITORING & CONTROL

- **KPI development** and tracking systems
- **Regular performance reviews** and reporting
- **Cost control** and optimization programs
- **Service level agreement** monitoring
- **Inventory turnover** optimization
- **Stock availability** management
- **Emergency** procurement protocols
- **Continuous improvement** initiatives

THROUGH THESE COMPREHENSIVE MRO SOLUTIONS,
WE HELP ORGANISATIONS OPTIMIZE
THEIR INVENTORY INVESTMENT
WHILE ENSURING RELIABLE ACCESS
TO CRITICAL SPARE PARTS & MATERIALS



PEOPLE & PERFORMANCE SOLUTIONS

DGC's comprehensive people and performance solutions enhance workforce capabilities through structured development programs and expert support. We focus on building sustainable organizational capability by combining technical training with leadership development and performance improvement methodologies. Our integrated approach ensures that human capital development aligns directly with operational excellence objectives.

COMPREHENSIVE COMPETENCY DEVELOPMENT

- **Detailed competency** mapping and gap analysis for all key roles
- **Technical skills development** programs tailored to specific job functions
- **Leadership and management** capability enhancement
- **Digital literacy** and technology adoption training
- **Performance monitoring** and improvement coaching
- **Industry certification** preparation and support
- **Knowledge management** and transfer programs
- **Succession planning** and career development paths

MAN-MACHINE INTERFACE EXCELLENCE

- **Comprehensive** operator competency assessments
- **Equipment-specific** training programs
- **Standard operating** procedure development
- **Safety protocol** implementation and training
- **Performance monitoring** and feedback systems
- **Continuous improvement** initiatives
- **Technology adaptation** support
- **Best practice** documentation and sharing



OPERATIONAL SUPPORT FRAMEWORK

- **Experienced** local management and supervisory teams
- **Specialist** engineering consultation and backup
- **Technical** mentoring and knowledge transfer
- **Performance** improvement facilitation
- **Root cause** analysis capabilities
- **Process** optimization expertise
- **Quality** management systems
- **Risk** management frameworks

PERFORMANCE IMPROVEMENT INITIATIVES

- **Expert-led** 100-day operational excellence projects
- **Quick-win** identification and implementation
- **Structured** problem-solving methodologies
- **Daily** performance monitoring
- **Regular** progress reviews
- **Stakeholder** engagement programs
- **Results** documentation and tracking
- **Sustainability** planning and support



THROUGH THIS COMPREHENSIVE APPROACH TO PEOPLE & PERFORMANCE DEVELOPMENT, WE ENSURE ORGANIZATIONS CAN BUILD & MAINTAIN THE CAPABILITIES NEEDED FOR SUSTAINABLE OPERATIONAL EXCELLENCE, CREATING RESILIENT TEAMS CAPABLE OF MEETING CURRENT & FUTURE CHALLENGES





PARTNERING FOR EXCELLENCE

DGC Integrated Asset Management Solutions combines over a century of African industrial expertise with cutting-edge global capabilities to deliver unparalleled value to our clients. Our comprehensive approach encompasses:

OUR VALUE PROMISE

- **Industry-leading expertise** across the complete asset management lifecycle
- **Proven methodologies** that deliver measurable performance improvements
- **Comprehensive support infrastructure** ensuring sustainable results
- **Technology-enabled solutions** adapted for African industrial conditions
- **Long-term partnerships** focused on continuous value creation

OUR AFRICAN FOOTPRINT

Through strategically positioned operations centres across Africa, we deliver comprehensive coverage and rapid response capabilities while maintaining consistent service quality.

Each location is staffed with experienced professionals who combine local knowledge with international expertise, ensuring solutions that are both globally informed and locally relevant.

GROUP HEAD OFFICE

- Mauritius: Holding Company, Transnational and Shared Services

SOUTH AFRICA

- Vereeniging: Administration Head Office
- Pretoria: Technical Excellence Centre and Digital Innovation Hub

REGIONAL OPERATIONS

- Democratic Republic of Congo: Kolwezi and Lubumbashi
- Zambia: Kitwe
- Madagascar: Antananarivo
- Zimbabwe: Harare

TRANSFORM YOUR OPERATIONS

Partner with DGC to achieve:

- Sustainable operational excellence
- Enhanced asset performance and reliability
- Optimized maintenance costs
- Improved workforce capabilities
- Measurable business value





CONTACT US to learn how DGC can help transform your operations and deliver sustainable competitive advantage.

OUR OFFICES

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