Enable Safe and Profitable Mining Production

Mining companies need to address the key challenges of commodity price volatility, operational productivity, and environment and safety. This requires a robust foundation of integrated IT and operations technology.

The mining industry is under constant turmoil of price and demand volatility. This has resulted in companies being more cautious in their capital-project decisions and inclined to engage in cost-reduction initiatives.

One way to achieve productivity improvements is by enhancing efficiencies in production, maintenance, and inventory management for maintenance, repair, and overhaul operations. Leading mining companies have embarked on “digital mining” initiatives to attain an integrated application landscape for a seamless information flow.

Due to lower production costs and more easily accessible reserves of a relatively high grade, focus on emerging regions such as West Africa, Mongolia, and Vietnam has increased. Growth in these areas, as well as increasing merger and acquisitions activity, necessitates scalability and robustness of information systems.

The outsourcing of various kinds of mining operations and maintenance services has been growing rapidly. Hiring, work-quality monitoring, access control, and payments to subcontractors are important challenges that need to be handled holistically.
Digital Mining Enterprise

Integrated applications enable efficient operations.

**Align Production (Mining and Downstream Processing) and Maintenance**

Improve overall equipment effectiveness and inventory management and improve usage of operational data.

**Manage Operational Risk**

Help ensure safe, environmentally friendly, and compliant operations.

**Manage Financial Risk**

Confidently handle the combination of lower commodity prices and higher cost of mining by introducing financial risk management strategies.

Reliable, efficient operations require tight integration of IT and operations technology with the organization’s infrastructure and visibility into operational data, particularly for remote locations.
Business Priorities for Best-Run Companies

Best-in-class mining companies support their global organizations with single-instance implementations of SAP software, while providing the maximum possible functional coverage through SAP solutions.

- Optimized Mine Operations
- Sales and Supply Chain Management
- Operational Risk and Compliance Management
- Human Resources
- Finance
- Procurement
- Information Technology
- Technology and Platform

Understanding the value drivers for each of these priorities is key to executing as a best-run mining company.
Mining companies need to adapt to emerging IT trends and still provide service levels without any disruption to the business. They are also being challenged to leverage IT advancements to innovate processes and optimize their business.

SAP invests significantly in five distinct technology areas – applications, analytics, mobile, cloud, and Big Data.

Maximize the return on assets by using breakthrough database and technology solutions, such as the SAP HANA platform and SAP solutions for analytics. Mining companies can reduce operational costs while increasing asset availability and improving safety.

Mobile – SAP mobile apps enable all aspects of company operations to run faster and smoother by providing employees with access to critical information anytime, anywhere. It also allows them to capture data – eliminating paper-based processes – and bring data faster into the back-end software, where all stakeholders will have instant access to it.

Cloud – The cloud solutions from SAP and its partners provide a new way to deliver extraordinary potential for mining companies to run their businesses better and faster. Ariba Network provides access to a vast network of qualified, global suppliers, even in remote areas. It offers low-cost and low-risk deployment while ensuring flexibility, scalability, and full integration across comprehensive business processes.
## Mining Value Map

Enable safe and profitable mining production.

### SAP Solutions

- **Optimized Mine Operations**
  - Capital Portfolio and Project Management
  - Mine Operations and Downstream Processing
  - Asset Operations and Maintenance
  - Asset Visibility and Performance

- **Sales and Supply Chain Management**
  - Sales and Operations Planning
  - Commodity Management
  - Bulk and Non-Bulk Transportation Management

- **Operational Risk and Compliance Management**
  - Environment, Health, and Safety
  - Energy and Environmental Resource Management
  - Product Safety and Stewardship

### Human Resources

- Core Human Resources and Payroll
- Talent Management
- Time and Attendance Management
- Workforce Planning and Analytics

### Finance

- Financial Planning and Analysis
- Accounting and Financial Close
- Treasury and Financial Risk Management
- Collaborative Finance Operations
- Enterprise Risk and Compliance Management

### Procurement

- Strategic Sourcing and Supplier Management
- Procure to Pay with Business Network Collaboration
- Business Network Extensions for Procure to Pay

### Information Technology

- Application Lifecycle Management
- IT Infrastructure Management
- IT Portfolio and Project Management
- IT Service Management
- IT Strategy and Governance

### Technology and Platform

- Big Data
- Real-Time Enterprise
- Real-Time Analytics
- Enterprise Mobility
- Enterprise Information Management
- Application Integration
- Cloud Solutions

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Optimized Mine Operations

Constant volatility in commodity prices and profit margins compels mining companies to control capital and operational expenditure. This can be achieved through efficient production, processing, maintenance, and project management.

Operational efficiency is of paramount importance and can be achieved through effective collaboration between production and maintenance. This requires seamlessly integrated applications comprising SAP software and various third-party applications. This integrated “digital mining” landscape is enabled through the SAP Manufacturing Integration and Intelligence (SAP MII) application.

Decision makers at various levels require visibility into operations and maintenance data. This data should be provided in real time or in an aggregated form, based on the requirement to support benchmarking and to target specific productivity challenges.

In the long run, efficient capital project management and engineering, procurement, and construction contractor management lay the foundation for successful maintenance operations.

62% Lower unplanned outages where sophisticated reliability-based maintenance procedures and tools increase asset availability

Source: SAP Performance Benchmarking
Optimized Mine Operations

Optimize mining and downstream processing operations through integration and business intelligence.

Increase production, overall equipment effectiveness, and environment, health, and safety compliance.

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**Benefits**

- Higher production throughput
- Higher throughput per worker
- Higher equipment effectiveness
- Lower operational costs
- Reduced maintenance costs
- Accurate planned costs

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**16%**

Lower inventory carrying cost where timely transportation planning is performed with considerations of supply chain constraints

Source: SAP Performance Benchmarking
Sales and Supply Chain Management

Customer satisfaction and profitability depend on the efficiency of contract-to-cash and transportation processes. Mining companies expect software to play an important role in the management of customer-facing and supply processes.

Sales and operations planning plays an essential role in aligning demand and supply. A unified model of demand, supply chain, and financial data enables quick analysis of massive amounts of complex data in real time.

Sales and purchasing contracts require the support of software that can handle pricing complexity. This ranges from quotation periods and quotation pricing to multistage invoicing, including complex formula-based payables, treatment charges, and bonus and penalty calculations that vary according to product assays.

Scheduling of the bulk transportation of minerals requires decisions on selecting appropriate grades of products from various stockpiles stacked in different locations. Employees blend the minerals and decide on methods of transportation for each delivery.

Effective inbound supply chain management of spare parts for maintenance, repair, and operations is critical, as this represents a high proportion of total inventory costs. And, with numerous mining-based operational and maintenance activities outsourced, subcontractor maintenance is becoming increasingly important.
Sales and Supply Chain Management

Boost profits with sales contract handling and supply chain management.

Efficient sales contract handling delivers faster, more accurate pricing. Efficient use of capacity and stockpile management reduce transportation costs and lower working capital locked in inventory. Subcontractor performance tracking increases payment accuracy.

- **Sales and Operations Planning**
  - Plan sales and demand with a unified model of demand, supply chain, and financial data.

- **Commodity Management**
  - Manage comprehensive commodity sales and procurement processes, including commodity and foreign exchange risk hedging.

- **Bulk and Non-Bulk Transportation Management**
  - Perform transportation planning and execution for multiple locations, sales orders, purchase orders, and means of transportation for bulk and non-bulk materials.

**Benefits**

- Higher profits
- Mitigation of commodity price risk
- Tracking of foreign exchange
- Higher transportation throughput
- Lower inventory costs
- Controlled subcontractor activity

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**69%**

Lower recordable accident frequency where maintenance planning takes into account skill, material, tools, and specific job instructions

Source: SAP Performance Benchmarking
Operational Risk and Compliance Management

Worker safety and environmental compliance are top of the agenda for mining companies requiring strict controls on hazardous substances. Reducing carbon footprint and energy costs is also a key priority.

Noncompliance with safety and environmental regulations exposes mining companies to safety risks and financial penalties. For this reason, mining companies worldwide are working to improve their operational risk management capabilities.

Management of effluents and greenhouse gas (GHG) is high on the priority list of mining companies. As energy costs climb steadily and profitability is under pressure, mining companies strive to reduce energy consumption.

Integration of plant automation systems with the SAP ERP and SAP Manufacturing Integration and Intelligence (SAP MII) applications increases visibility of energy use to enable ongoing monitoring.

Responsible management of hazardous materials, such as explosives and reagents, is critical for mining companies. Proper labeling and training regarding safe handling of these substances is indispensable.
Operational Risk and Compliance Management

Create safe and economic operations across the mining value chain.

Improve safety in every operation while reducing energy consumption in mining and downstream processing.

Environment, Health, and Safety

Assess and manage operational risks involving people, assets, and locations.

Energy and Environmental Resource Management

Monitor energy consumption and take corrective actions to reduce the carbon footprint.

Product Safety and Stewardship

Reduce the number of accidents associated with mishandling such hazardous substances as explosives and reagents through better labeling, handling instructions, and training programs.

Benefits

- Fewer days lost due to incidents
- Fewer penalties for incidents
- Better employee motivation
- Compliance with emission targets
- Support for carbon credit trading

71% Lower recordable accident frequency where safety and environmental data are fully integrated with asset management functions

Source: SAP Performance Benchmarking
Human Resources

Talent is a true competitive advantage today and critical when aligning business strategy and execution. Best-run organizations achieve profitable growth by leveraging their talent and out-innovating the competition.

For organizational growth and an agile response to business change, organizations must give people the knowledge and technology to facilitate innovation.

They must also move into new markets, adapting to local practices and tapping the right local talent. In addition, they must identify and retain new talent acquired through mergers and acquisitions.

Organizations that quickly respond with the right talent in the right places will have a unique advantage in the marketplace.

32%

Less employee turnover by using analysis of workforce data to design, implement, and monitor workforce optimization strategies

Source: SAP Performance Benchmarking
Human Resources

The new world of work.

Enable growth and sustainability by coupling global capabilities, integration, and real-time insight with choice in the way HR processes and services are delivered.

Consolidate HR and payroll processes on a common global platform for better workforce data and legal compliance.

Improve strategic alignment, increase productivity, and accelerate results by identifying, developing, motivating, and retaining talent.

Streamline time management processes to enhance resource effectiveness and visibility into, and control over, labor costs.

Identify and analyze talent gaps and streamline workforce planning for efficient and effective management of workforce demand and supply.

Benefits

- Align people to organizational strategies
- Support global expansion into new markets
- Improve productivity and engagement
- Provide real-time insight into business needs

Lower costs for HR organizations with a high degree of internal integration compared to organizations with a fragmented HR environment

Source: SAP Performance Benchmarking
CFOs implement best practices to strike a balance between sound stewardship and value creation, while walking the fine line between entrepreneurship and caution. At the same time, they need to view the right information, whether it’s the big picture, exacting detail, or somewhere in between.

During one of the most difficult and volatile economies of modern times, financial organizations are struggling to achieve excellence. On a daily basis, they encounter persistent challenges, such as ongoing market instability, ever-changing regulations, and increasing pressure on margins. Plus, the speed of financial operations is accelerating, requiring access to insight on the go – anytime and anywhere.

Finance executives are tasked with cutting costs and providing insight into the financial impact of decisions. To achieve these goals in this high-pressure environment, finance organizations must rely on best practices that help them achieve excellence and drive business results.

With the right solutions, finance organizations can excel and become a strategic advisor to the entire business. They can help ensure regulatory compliance and effective risk management, outperform financial objectives, create sustainable value, and deliver superior service at reduced cost.
Finance

Excel with best practices that facilitate 360-degree processes.

In the face of sustained market volatility, increasingly complex regulatory requirements, and growing pressure on margins, financial organizations must enable their staff to collaborate more efficiently and use business insight more effectively.

- **Financial Planning and Analysis**: Define and execute organizational strategies, manage financial plans and forecasts, and increase profitability.
- **Accounting and Financial Close**: Deliver a fast, accurate, compliant close and regulatory disclosures with less cost and effort.
- **Treasury and Financial Risk Management**: Achieve greater insight and control over complex processes for managing cash, liquidity, and risk.
- **Collaborative Finance Operations**: Automate transactional processes to improve efficiency, effectiveness, collaboration, and service at lower costs.
- **Enterprise Risk and Compliance Management**: Protect revenue and optimize financial performance with risk and compliance management.

**Benefits**
- Provide forward-looking insights
- Deliver accurate financial data
- Enhance efficiency at lower cost
- Help ensure regulatory compliance

76%

Higher operating margins, where financial systems provide historical and forward-looking views into financial and operational performance

Source: SAP Performance Benchmarking
Procurement

While companies often focus on revenue, procurement savings can increase profits with far higher impact. The key to maximizing procurement’s success in this critical role is to deliver consistent quality, savings, and compliance over time. That calls for innovative solutions that boost efficiency and insight.

Procurement leaders set a baseline for success by implementing best practices, excelling in category expertise, and working with key stakeholders on cost-control programs.

While savings is always a priority, new objectives have emerged as well. Procurement must manage supplier risk and performance, improve process efficiency, drive innovation, and ensure sustainability practices.

You need solutions that give you the tools to cut costs, as well as add value. These tools need to support processes, including spend analysis, sourcing, contract management, operational procurement, services procurement supplier information, risk and performance management, and invoice management. At the same time, procurement plays a role in helping finance optimize the company’s cash position through discount management programs.

These tools, when connected to and facilitated by an unparalleled collaborative business network, drive real-time insight and efficiency that can only be delivered through the “power of many.”

Improvement in annual average savings by leveraging technology for sourcing and procurement processes

Source: SAP Performance Benchmarking
Procurement

Drive sustainable savings while supporting innovation.

Help ensure best practices within the source-to-pay process in the cloud, while leveraging the “power of many” through network collaboration to realize greater efficiency, gain real-time insights, and achieve true procurement excellence.

- **Strategic Sourcing and Supplier Management**
  Find new suppliers through Ariba Network and manage these relationships through supplier management solutions. Identify and act on sourcing opportunities and create favorable, low-risk supply contracts.

- **Procure to Pay with Business Network Collaboration**
  Realize savings with compliant, user-friendly self-service procurement; services procurement; and plan-driven procurement. Collaborating on Ariba Network makes catalog management, purchase order collaboration, and invoice-related transactions even more efficient.

- **Business Network Extensions for Procure to Pay**
  Leverage Ariba Network even further to drive advanced invoice automation and exception management. Manage cash by taking advantage of dynamic discounting opportunities.

**Benefits**
- Optimize spend under management
- Increase average annual savings
- Cut FTEs per billion in spend
- Drive innovation with suppliers
- Reduce cost and risk
- Accelerate turnaround

**55%**

Lower FTE per billion in spending for companies conducting electronic supplier collaboration on a network

Source: SAP Performance Benchmarking
Information Technology

Businesses enterprises should forge strategic business partnerships with their IT organizations by aligning goals. And business-oriented IT should maximize efficiency and responsiveness by running IT like a business.

Research shows that lines of business want to ascertain the value of their IT investments, which means that IT organizations no longer decide alone which IT projects to fund.

The challenge is that IT management is often seen as just running the technical landscape. To become more relevant to an enterprise, IT needs to reposition itself to run like a business.

SAP offers an integrated portfolio of solutions to do just that. New technologies like mobile, in-memory, and cloud computing generate value to a business in an unprecedented way.

However, these new technologies also make IT landscapes more complex, requiring more tools to manage them. By leveraging SAP solutions – along with following best practices – CIOs, CEOs, other executives, management, and employees can tap into and help ensure efficiency, continuity, and responsiveness, making IT more strategic to the business.
Information Technology

Evaluate and control risk, enable flexibility and scale, control and optimize costs, and maximize strategic value.
Promote business continuity, drive efficiency, increase IT responsiveness to business objectives – with information technology solutions designed for any size business.

Applicatio n Lifecycle Management
Use application lifecycle management best practices, methods, and services based on Information Technology Infrastructure Library (ITIL).

IT Infrastructure Management
Monitor all network assets to integrate infrastructure and application lifecycles.

IT Portfolio and Project Management
Manage projects and align the portfolio to drive innovation efficiency.

IT Service Management
Align service-desk operations with service-level agreements (SLAs), resolve SLA incidents fast and adopt ITIL best practices to meet evolving business goals.

IT Strategy and Governance
Track IT costs and risks and map risk and compliance activities to business impact.

Benefits
• Better align IT to business strategy
• Shorten IT delivery and business cycles
• Maximize return on IT
• Reduce system upgrade and operation costs
• Lower risk mitigation cost and revenue loss
• Reduce critical business system downtime

36%
More IT projects generate positive ROI when IT is included in prioritization process early on for appropriate road map development
Source: SAP Performance Benchmarking
Technology and Platform

Technology solutions can make the difference between surviving and thriving. And businesses know that they need to innovate to drive transformation. Technology and platform solutions from SAP enable quick adoption of cutting-edge technology to run the business better and faster with agility and innovation.

Users expect to run a real-time business with collective insights from real-time analytics for better decision making, prioritization, forecasting and modeling of outcomes, and access to applications from the latest mobile devices. They demand that these capabilities seamlessly integrate with their favorite social platforms, allowing cross-stakeholder collaboration.

At the same time, data volumes are exploding while the window for capitalizing on opportunities is shrinking. Users must be empowered with information from real-time applications available securely on any device. And developers need a platform to innovate faster.

SAP enables the real-time enterprise with an innovative data platform to power a new class of real-time analytics and applications that give businesses a true competitive advantage. Companies can harness the value of Big Data, while improving governance with timely, trusted, and consistent information.

Plus, SAP provides a comprehensive set of cloud solutions, including line-of-business applications as well as social and business network collaboration. The SAP HANA Cloud Platform enables customers to build new apps or extend and customize existing ones with managed and subscription-based services.
Technology and Platform

Drive transformation and help the business thrive with technology.

Technology and platform solutions from SAP enable the real-time enterprise by unleashing the power of collective insights, empowering developers to innovate, and unwiring the business.

Benefits
• Enable real-time operations
• Lower time to value
• Turn data into an enterprise asset
• Innovate customer engagement
In-memory computing delivered by the SAP HANA platform allows you to maximize asset performance and utilization by mining, consolidating, and analyzing your operational and asset data. You can respond rapidly to changing demand and supply patterns by analyzing multiple what-if scenarios during planning meetings for sales and operations.

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Mobile technology helps you drive efficiency and safety across your mining and downstream operations and maintenance activities. You can track and trace the status of shipments, including quality parameters of shipped products. You can speed up sales cycles by providing information to sales personnel and customers when it’s needed.

Analytics software helps you gain real-time insight into the performance of your mines and processing plants via preconfigured dashboards. It provides visibility that lets you respond to unexpected supply chain events. You can monitor overall status and assess the degree of adherence to environmental regulations and other compliance programs.

Cloud-based solutions help you gain operational continuity, so you can secure revenue streams and brand reputation as well as minimize any risk of noncompliance.
SAP Business Suite powered by SAP HANA

SAP Business Suite software powered by SAP HANA allows you to boost competitiveness by unlocking new growth opportunities. You can boost responsiveness by driving business at the speed of market change. You can increase productivity by empowering people to decide and act in the business moment.

**Optimized Mine Operations**
SAP Business Suite powered by SAP HANA simplifies mining, analysis, and federation of asset and maintenance data to drive continuous improvement and operational excellence. You can boost asset performance and operational continuity by enabling advanced maintenance planning strategies.

**Efficient Sales and Supply Chain Management**
SAP Business Suite powered by SAP HANA enables real-time decision making on market opportunities, capacity and demand fluctuations, and supply-chain interruptions. You can simplify IT by combining analytics and transactions for reduced total cost of ownership. SAP Business Suite powered by SAP HANA gives you real-time insight into customer and product profitability.

**Operational Risk and Compliance Management**
You can gain results fast from analysis of incident- and accident-related historical data to enable quick, smart decisions and actions. You’ll be able to monitor energy consumption in real time to take advantage of high- and low-demand periods. You’ll reap benefits from increased equipment reliability and reduced maintenance costs through predictive maintenance.
The SAP HANA Platform

Big machinery generates Big Data, and mines have tons of big machinery. Visibility into daily operations is problematic without the means to manipulate business and manufacturing data. There is a huge opportunity to transform mines – even in remote locations – into efficient, streamlined operations.

Optimized Mine Operations
Manage the intersection of mine planning, asset lifecycle management, and operational performance for each asset. Initiate and manage capital and operational projects. Align and measure against business objectives.

Efficient Sales and Supply Chain Management
Provide instant insight into and simulation of supply chain availability and capacity, based on planned and actual mine and mill production.

Improved Asset Utilization
Increase the granularity of production and operational data, enabling advanced condition monitoring and predictive maintenance. Benefit from optimized maintenance spend and higher asset utilization.

48%
Of organizations foresee a need for having predictive modeling and complex optimization techniques on Big Data analysis
Source: SAP Performance Benchmarking
Mobile

Mining assets are distributed and mine faces move; employees are constantly on the move. Mobile technology opens up many opportunities to bring more efficiency, simplicity, and speed to daily operations.

- Provide transparency on key performance indicators to authorized stakeholders on the move – in real time or on an aggregated basis.
- Enable management-by-exception reporting with alerts to inform the right people about issues, regardless of their current location.
- Reduce paperwork and enable direct data entry for tasks such as maintenance requests. Confirmations sent by mobile devices reduce errors and help ensure that data is up-to-date.
- Reduce time-consuming inquiries about topics such as technical documentation or inventory availability for spare parts. As a result, productive maintenance time increases.
- Enable remote real-time recording of critical information about production or data relating to environment, health, and safety.
- Take quick corrective actions based on alerts and notifications received on mobile devices.
- Gain remote access to supply chain planning and scheduling systems to verify, approve, or change shipments.
- Optimize inventory and order fulfillment by providing remote visibility into stockpiles and in-transit inventory.
Analytics

Healthy mines achieve high operational performance and can drive sustainable and profitable growth. Without tracking performance, taking action to improve is impossible. Analytics software creates operational transparency and enables you to turn insight into action.

Confidently seize opportunities while mitigating risk. Monitor operations, align operational plans and simulations, and support risk control and awareness through:

- Asset performance management
- Predictive analytics and maintenance
- Production loss analysis
- Sustainability performance management
- Energy and environmental performance management
- Operational risk management

53%

More employees leverage analytic information when business intelligence software provides access to easy-to-use advanced analytic tools

Source: SAP Performance Benchmarking
Cloud computing is creating new opportunities for best-run mining companies. Cloud solutions from SAP and SAP HANA Cloud Platform allow companies to build differentiating solutions to establish nimble global business networks and connect faster and directly with customers and suppliers.

**Optimized Mine Operations**
Extend learning to employees and contractors through a blending of formal, social, and in-depth learning channels. Provide unparalleled content management, reporting, and analytics support. Plan your workforce so you have the right people with the right skills and talents at the right time and at the right price.

**Efficient Sales and Supply Chain Management**
Collaborate more easily with key stakeholders in an efficient, integrated planning process that profitably aligns supply with demand. Automate and streamline the strategic source-to-pay process and network it with your suppliers.

**Operational Risk and Compliance Management**
Manage information on product sustainability across your network. Deliver product safety documentation across regions.
Best-Run Customers

Seven of the top 10 mining companies run SAP.
Nine of the top 10 copper producers run SAP.
Eight of the top 10 zinc producers run SAP.
Seven of the top 10 aluminum producers run SAP.
Customer Co-Innovation

SAP co-innovates with leading mining companies worldwide. Forums like Industry Advisory Council for Mining, its workgroups, and special interest groups detect trends and lead co-innovation to drive continual software enhancements.

CIOs of Top Mining Companies
Mining CIOS discuss business innovation and technological requirements of mining companies and share best practices on how to manage an increasingly volatile environment.

Co-Innovation Partners
The co-innovation process is enriched by including system integration specialists and independent software vendors as co-innovation partners.
Codelco makes a case for IT investment with the SAP Value Management program.

**Objectives**
- Understand best practices for procurement processes and how they are leveraged by SAP solutions for procurement
- Learn about the value management tools and methodology used by SAP
- Leverage those tools and methods to predict quantifiable benefits

**Key Benefits**
- Participated in the SAP Value Academy program, with a focus on procurement processes and using examples and case studies
- Used value management tools and methods to identify the most pressing business needs and IT investment benefits for contract and warehouse management and mobile application

**Achievements**
- Better understanding of the value lifecycle
- Better understanding of procurement processes end to end
- Identification of potential benefits for three IT projects
Konkola Copper Mines creates a platform for future growth with SAP ERP.

The Company’s Top Objectives

- Integrate and optimize business systems to achieve operational efficiency and gain full visibility across the organization
- Map efficiency throughout the manufacturing process in real time
- Speed up financial closure and reporting and improve audit ratings

The Resolution

- Replaced legacy business systems with the SAP ERP application and integrated end-to-end business processes
- Adhered to standard templates from SAP for process redesign
- Implemented the SAP for Mining solution portfolio and adopted a best-practice methodology

Key Benefits

- Single and consistent view of the business from one data source
- Accurate and real-time metal accounting
- Improved data quality, allowing faster, more accurate decision making

>US$20
Million reduction in stores inventory

>75%
Less time from purchase order to requisition

>75%
Overall equipment effectiveness of assets
PT Timah pursues operational excellence with SAP ERP.

The Company’s Top Objectives

- Automate manual processes
- Enable real-time visibility into inventory stock
- Reduce invoice errors
- Improve transparency of third-party payment

The Resolution

- Implementation of the SAP ERP application to streamline reporting and enable real-time visibility into inventory stock
- Strong support from Timah management and involvement of business owners to optimize business processes through quick implementation

Key Benefits

- Real-time visibility into inventory stock achieved
- Invoice error rate reduced
- Sales document errors reduced
- Employee productivity improved
- Procurement lead time reduced
- Forecast accuracy improved
- Confirmation for third-party payments reduced
Why SAP?

SAP solutions help mining companies improve their efficiencies and control costs. This is possible through employing integrated SAP software aimed at enabling the “digital mining” enterprise vision.

Leaders in the mining industry, who represent a base of over 360 mining customers, have adopted SAP solutions. The software offers a vast range of solutions, including the SAP ERP application, the SAP for Mining solution portfolio, the SAP HANA platform, and the SAP Environment, Health, and Safety Management application.

SAP software integrates enterprise software systems with mining and processing software systems. The SAP for Mining solution portfolio leverages industry best practices.

Special focus on the mining industry is accomplished through the dedicated mining industry team and the industry advisory council for mining, which sponsors applied research specific to the mining industry.
Find Out More About How Your Organization Can Become Best-Run

Benchmark Your Performance

Position your organization for dominance in this new economy with the business performance benchmarking program from SAP – available free to SAP customers and select prospects. The SAP benchmarking program has helped more than 3,000 organizations assess their strengths, uncover areas for improvement, and identify best practices and IT strategies that generate clear, tangible value – not someday, but today.

Go Live in Weeks

Here’s the fastest way to run your business better: our rapid-deployment solutions. In one package, you get everything you need to be up and running quickly – including preconfigured software and implementation services – in just weeks. With a defined scope and predictable costs, there are no surprises.

Join Your Community of Practices

Every day, SAP Community Network (SCN) changes the way that thousands of SAP users work. It lets members help one another solve problems, learn, and invent new ways to get things done – faster. Find out how to connect with people, content, and resources.
www.sap.com/solution/industry/mining/solutions/software

ASUG Special Interest Group Mining

Best Practices for Mining