
BROCHURE

Intelligent Mining Solutions (IMS)

From mine to market, the most comprehensive range of technical mining solutions



Comprehensive software solutions for the entire spectrum of mining processes.

Mining industry challenges

Mining organisations operating in today's market face many complex challenges. The continuing globalisation of the mining industry, accelerated by rapid growth in regions like China and eastern Europe, means both increased demand and increased competition. This increased demand and strong commodity prices mean that improving productivity is essential, while at the same time needing to control costs to maximise margins and maintain an effective cost profile for the future.

To keep productivity at optimum levels, the success of the organisation's logistics function is crucial. Ensuring continuity of the inbound supply chain, maintaining service levels, reducing inventory holdings and increasing inventory turns are all essential to maintaining productivity and minimising costs, particularly in remote locations.

In addition to the productivity and logistical challenges, the mining industry is increasingly the focus of public attention with regard to its health and safety, and environmental performance. In order to survive and thrive in this dynamic environment, mining companies need powerful and flexible tools to enhance the way they operate and to manage costs.

The solution: complete, integrated software purpose-built for mining

ABB's Intelligent Mining Solution (IMS) is the only complete IT solution purpose-built for the mining industry, fully addressing the industry's challenges. No other solution provider can match the depth of industry knowledge that ABB holds. For over 37 years, we have concentrated our efforts on developing a world-leading mining solution.

IMS is a suite of solutions providing control, visibility, and operational insight through the entire mine value chain, from mine to market. With a holistic view of critical processes, mining operations are better-equipped to manage within an increasingly complex and ever-changing regulatory environment.

ABB's comprehensive technical mining portfolio targets the needs of geological modelling and mine planning, material tracking, laboratory management, production accounting and reconciliation, logistics, and sales & marketing.

In addition to our core mining products, ABB also offers a range of enterprise-grade solutions tailored to meet the following mining-specific business needs for:

- Enterprise asset management
- Maintenance planning
- Spare parts and maintenance inventory
- Mobile inspections and defects
- B2B collaboration with business partners

The value: driving the profits of 8 of the world's top 10 mining companies

IMS manages and controls mining operations of any scale, from individual sites through to multi-site, global operations. IMS functionality allows mining organisations to realise benefits by:

- Streamlining engineering processes to achieve greater efficiency in mine planning operations
- Identifying operational bottlenecks so that they can be remedied
- Providing stakeholders with real-time access to KPIs such as production, inventory, quality, delays and contract information
- Enabling high-volume, complex analytical laboratory data to be captured, calculated and stored with utmost confidence and reported to the client efficiently and on time
- Optimising utilisation of the ore body to deliver optimum short-term and long-term revenue
- Integrating production and financial reporting
- Maximising the efficiency of inbound/outbound logistics

ABB has an unparalleled depth of experience in delivering mining solutions around the world. Our team of industry specialists work hand-in-hand with our customers, from initial implementation through to ongoing support, ensuring maximum return on investment.

IMS seamlessly integrates information flows between all mining activities and lowers mining costs through smarter use of technology and information management systems.



MineScope

Geologic modelling and mine planning

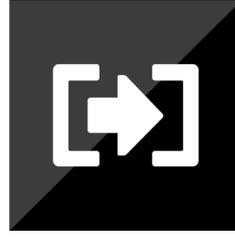
MineScope is a suite of integrated solutions designed for open cut and underground mining operations for coal and metalliferous deposits. MineScope delivers extensive geological modelling and mine design functionality, and is in use by more than 200 of the world's most complex mining operations.



MineMarket

Material tracking, logistics and scheduling, sales and marketing

MineMarket provides comprehensive coverage of stockpiles and product quality for bulk and discrete products, supply chain logistics, and sales processes. MineMarket enables management of complex contracts, product specifications, pricing conditions, assay exchange, demurrage and dispatch, prepayment and invoices.



Production Accounting

Mining production reporting

Production Accounting is a metal accounting and plant production tracking system that streamlines data capture, provides a variety of metal accounting models, and provides structured processes for approval and change control of the metal accounts. It enables the organisation to configure the production flowsheet, collect and validate the required data from multiple sources, perform mass-balancing calculations and sign off the results in an auditable fashion.



CCLAS

Laboratory management

CCLAS is a laboratory information management system (LIMS) that automates laboratory processes through flexible sample registration, barcode label printing, work list generation, online data capture from a wide range of analytical instruments, and automatic generation of analytical reports and commercial invoices. CCLAS offers superior quality control functions that monitor operation product materials and quality control reference standards against specifications.

MineScope helps customers reduce the time it takes to build a geological model by **up to 75%**

MineMarket helps producers **save over \$3M per year** by reducing demurrage penalties

More than **half the world's platinum production** is monitored by Production Accounting

Every day, **over 6,000 users across 75 countries** use CCLAS for lab testing of mining and metal processing



—
abb.com/enterprise-software
info.pges@abb.com