

## Ventyx Intelligent Mining Solution **Ventyx CCLAS**



Ventyx CCLAS, the leading LIMS for mining and metal processing, provides a wide range of tools to help laboratories optimize their processes and produce quality results in the shortest possible time frame and the most cost efficient manner.

### **The Challenge**

To achieve sustainable success in the marketplace, mining companies need to ensure delivery of consistently high quality products. In this environment, management of product quality has become a key business imperative.

To achieve quality products, mining operations require good sampling procedures, rigorous testing regimes, well controlled production processes and continuous quality control. Organizations also need quality management systems to help ensure conformity of products or services to a defined set of standards or customer expectations.

Effective management of laboratories is a key element in the drive for high product quality. Laboratories in the mining and metal processing industry are faced with unique challenges. They need to process a very large number of samples, with varying testing regimes and different sampling routines, throughout the entire mining value chain.

From exploration to grade control, production to inventory storage, logistics to ship loading, the ability to obtain quality data in a timely manner, monitor the sample status and have visibility of sample movements is vital for optimal operation of mining processes.

In order to assure product quality, streamline laboratory processes and maximize workflow efficiency, while at the same time complying with industry standards and regulations, mining laboratories need to control their processes with a sophisticated Laboratory Information Management System (LIMS). Such a solution provides mining companies with real-time quality information and enterprise-wide visibility of production data.

## The Solution

The Ventyx CCLAS solution automates processes in an analytical laboratory through flexible sample registration, barcode label printing, work-list generation, on line data capture from a wide range of analytical instruments, and automatic generation of analytical reports and commercial invoices. The system offers superior Quality Control functions, which monitor products against specifications, built-in Statistical Process Control (SPC) charts, and monitors the use of consumables as well as equipment calibration and maintenance schedules.

## The Benefits

Ventyx CCLAS enables high volume, complex analytical laboratory data produced to be captured, calculated and stored with utmost confidence and reported to the client efficiently and on time.

The solution enables a laboratory, or group of laboratories, to standardize and streamline processing - from sample registration, through the sample processing life cycle, to the generation of high quality analytical reports - improving efficiency and reducing cost.

---

**Ventyx CCLAS provides the total solution for laboratory management and the only LIMS designed to meet the needs of the mining and metal processing industry.**

---

Ventyx CCLAS is in use by major mining companies and commercial testing laboratories world-wide across a wide range of operations, from simple stand-alone systems through to complex global multi-site systems running on a central application server across a wide area network or via the Internet.

The result is a single system that:

- Provides a global view of all facilities and regional capabilities, enabling equipment usage to be maximized through resource sharing and load balancing.
- Minimizes labour costs and improves data accuracy through increased laboratory automation, a reduction in manual data entry and elimination of stand-alone data storage, e.g. via spreadsheets.
- Enables effective business intelligence and corporate data mining by providing a single comprehensive and standardized system.
- Enables mining operations to meet increasing regulatory compliance and auditing requirements by ensuring control of the quality of the results generated through the built-in QC and auditing process.



[www.ventyx.com](http://www.ventyx.com)

Ventyx, an ABB company, is the world's leading supplier of enterprise software and services for essential industries such as energy, mining, public infrastructure and transportation. Ventyx solutions bridge the gap between information technologies (IT) and operational technologies (OT), enabling clients to make faster, better-informed decisions in both daily operations and long-term planning strategies.

Some of the world's largest private and public enterprises rely on Ventyx solutions to minimize risk, enhance operational and financial performance, and execute the right strategies for the future.

To learn more about Ventyx solutions visit [www.ventyx.com](http://www.ventyx.com) or contact a Ventyx sales representative today.