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Metro Mining

Award winning mining group adopts ESdat

Metro Mining conducts surface water and groundwater environmental monitoring to meet operating license conditions, as well as drinking water and sewage treatment analysis.

The company required a centralized data collection/storage solution, enabling visibility of data trends to guide and assess corrective actions.

Key focus of solution: The management and reporting of laboratory data, together with field data collected during sampling events. Key elements implemented include:

- Automated import of laboratory reports ensures results are captured wholly and efficiently.
- Data of interest can be presented in tables, graphs or maps for interpretation.
- New results can easily be compared with historical data.



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MMG, Rosebury

Groundwater and surface water data management.

MMG is required to conduct routine compliance sampling of surface water, groundwater, and air quality. The frequency varies from biannually for groundwater bore monitoring to as little as every 6 days for high-volume air sampling.

This includes sampling plans, field program scheduling, and delegation, electronic lab quotes and lab submissions, tracking, and approvals.

Key focus of solution: Field and Lab data are automatically loaded into ESdat for rapid data analysis as well as the generation of standard reports for internal use and regulatory compliance. Key elements implemented include:

- Centralized storage of all environmental data in a single location.
- Easy to use intuitive web-based interface.
- Powerful querying of long-term historical data to identify trends.
- Complete electronic data capture solution.
- Measurable productivity gains, allowing more timely interpretation and decisions making.



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Tronox

Tronox Extends ESdat Usage

Tronox operates several mining and processing facilities in multiple jurisdictions, which are subject to ongoing environmental monitoring to comply with relevant legislation and regulations.

Key focus of solution: Cloud-hosted ESdat is central to Tronox's capture, management, and reporting of environmental data, enabling access by multiple operations. Key elements implemented include:

- The Field Management module (LSPECS) to assist with managing a complex groundwater monitoring program
- Weather data which loads directly to ESdat
- Electronic field data collection for groundwater, dust, and emissions data
- Automated receipt of Laboratory Results
- Custom Reports for use in annual reporting
- A public portal to enable a regulator to query data, replacing PDF reports

