

MonitorPro Implementation: Australian Steel Works and Associated Coking Coal Operations



MonitorPro proves it's versatility by providing a centralised database for multiple operations, each with different data reporting needs.

The site in Australia is a major steel manufacture, with associated Coking Coal Operations. Each of these very different sites provides distinctly different environmental challenges, which is reflected in very different demands for monitoring and data management. **MonitorPro** has been implemented as an effective and flexible solution that will cover all of the requirements.

Site Data Collection Challenges

Sites were previously managing their environment monitoring and data management via a collection of spreadsheets and legacy software systems, with little or no integration between them. It therefore fell upon staff to manually ensure that all data was being collected as required; to manage said data; and to pull it together and report it as required. This was an exceedingly time consuming, as well as an error-prone, process.



The Solution: MonitorPro

Because **MonitorPro** is so flexible it can be implemented to suit the needs of both operations, however as its one system, it also provides much needed consistency. The solution was provided by **EHS Data** on a **Software as a Service (SaaS) basis**, served up to the users via a web browser.

Implementation of MonitorPro

As with many of our clients, the sites we implement often have a long history of operations, and therefore legacy data. Data to be managed historically and the new data to be collected in the future included:

- Groundwater levels and quality.
- Surface and marine waters.
- Air Quality.
- Stack emissions.
- Weather.
- Vegetation.
- Noise.



Historical Data Import

Following the build of the database framework, the first stage of the implementation was therefore to import the significant body of historical data. This was mostly available as manually compiled spreadsheets of disparate formats. **EHS Data** was able to work through these and import all of the data. Other data was provided by laboratories in a **MonitorPro** default format; and still further data was available such as original logger files. All of this was imported, providing the full historical dataset for future trending and analysis.



New Data Collection and Import

Schedules were created to keep track of detailed monitoring requirements, and alert the users when monitoring is due and imported to **MonitorPro**. Manually collected data is entered directly from the field, via **MP-Field**. Data from various external laboratories is sent by them directly into **MonitorPro** and processed automatically. Going forwards, integration with site control systems will bring operational data directly into MonitorPro, with no need for manual intervention.

Upon import to **MonitorPro**, the data is compared to a defined list of trigger levels and if any of these are exceeded, warnings are sent to a defined list of recipients – currently via email, although the option to add SMS exists.

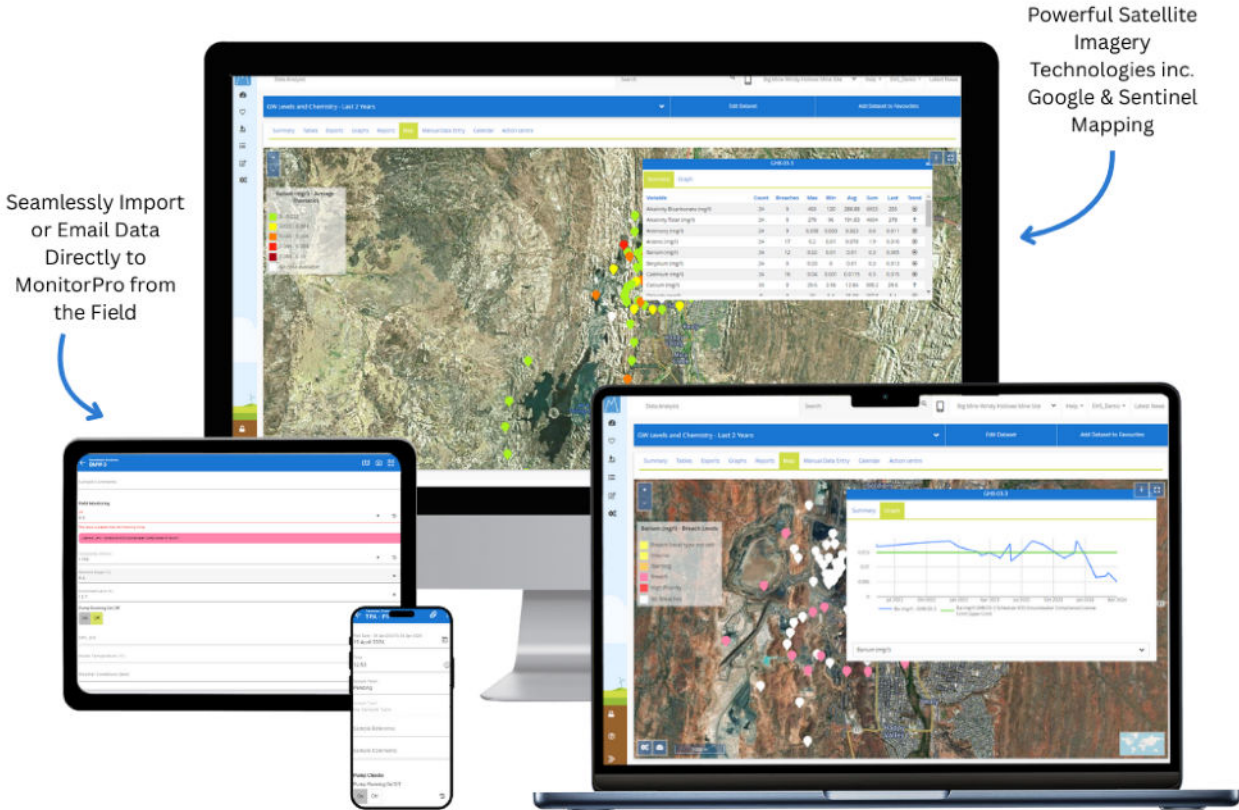
Analysis and Reporting

Data from the many disparate sources is now available all in one place for analysis, trending, and reporting, using both the default tools in **MonitorPro**, and bespoke exports and reports. It is easy to compare one type of data to another, for example to see why something is happening. This can be done manually, on an ad-hoc basis, or placed on a re-occurring schedule.



MonitorPro: The Perfect Choice for Steel Manufacturers Worldwide

By effectively using **MonitorPro**, the teams at both operations are now in a position to manage their environmental data efficiently, effectively and appropriately. Using an innovative data management system that eliminates the need for spreadsheets and manual processes, to streamline both their internal and external data collection processes.



For more information on **MonitorPro in the metals and mining industry** check out our website, or contact us for a free demo and see how we can help manage your environmental data.

