

# Blasting Dispersion Modeling

**DTN**



## Bringing you an integrated service with intuitive design capability

### Blast planning has never been easier

Intuitively designed and fully integrated into DTN weather, environmental, and alerting systems, our Blast Dispersion Modeling system is not only easy to use but also delivers accurate and concise information on every planned blast.

EPA-approved dispersion modeling is combined with high-precision, site-specific forecasts integrated with environmental observations to deliver a complete environmental picture of client sites.



### Accuracy and precision

This environmental monitoring, brought to you by the experts in meteorology, ensures you have the very best information science has available. Integration of dust monitors and tapered element oscillating microbalance (TEOM) help improve the forecast accuracy.



### Justify your actions

One of the most advanced reporting systems available on the market, it automates report generation, bringing together all the forecast information, weather station, and monitor data into clean, informative reports. No more manual cut and paste — our system builds reports with a fully auditable history so you can easily justify your actions to blast or not.



### Remain compliant

Fulfilling license and legislative requirements is an imperative responsibility of all mine sites. Our system provides an auditable report trail of all executed blasts stored in the cloud. On execution of blasts, supervisors or managers can add pre- and post-blast notes to ensure full requirements are met.



### Plan with confidence

Run simulations prior to blast days in advance to determine the perfect blast window with respect to expected weather conditions. Logical traffic light systems indicate whether simulated blasts for pollutants are above or below pre-set thresholds at any virtual or existing monitors. A Fume Management Zone (FMZ) tool allows for the creation of FMZs within the system, making it easy to plan and mitigate.

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