

Ventsim Visual™

Improve your ventilation,
reduce your costs

OVERVIEW

Ventsim Visual is a mine ventilation modelling and simulation application featuring a full 3D visual interface with real-time animation of airflow & ventilation controls.

This program accurately simulates airflow, contaminant dispersion, thermodynamic heat and moisture. Financial evaluation functions are also available for analysis of capital and operating costs of ventilation systems.



WHO USES VENTSIM VISUAL?

- Mining Engineers
- Ventilation Technicians

KEY BENEFITS

Model and simulate ventilation, airflows, pressures, heat, gases, financials, radon, fire, and many other types of ventilation data from a model of tunnels and shafts.

FEATURE HIGHLIGHTS

1. Ventsim Visual Standard™

- a. Full 3D modelling, with smooth rotation, zoom and pan
- b. Real-time animation of airflow and fans
- c. Airflow simulation and fan modelling
- d. Basic Contaminant spread, sourcing and emergency simulation

2. Ventsim Visual Advanced™

- a. All the Standard features
- b. Thermodynamic heat and moisture modelling
 - i. Strata heat and moisture
 - ii. Refrigeration
 - iii. Diesel heat and DPM emission
 - iv. Electrical heat sources
- c. Compressible air flows and self adjusting fan curves
- d. Blasting fumes dispersion and clearance times
- e. Financial analysis wizards
- f. Recirculation predictor

3. Ventsim Visual Premium™

- a. All above features
- b. VENTLOG ventilation survey record software
- c. LIVEVIEW remote data connection and display module
- d. VENTFIRE fire heat, gas and airflow direction simulation

BOOK A DEMO

To book a free demo of Datamine's Ventsim Visual, contact your local Datamine office.

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