Visualize, interpret and interrogate your resources with the superior capabilities of Studio 3 and CAE Strat3D

CAE Mining’s resource modeling systems deliver robust geological models for large and small mines across a number of commodities and deposit types. Studio 3 and CAE Strat3D, our trusted and sophisticated software tools, have set a new industry standard in this field with proven algorithms which have been developed and refined over 30 years.

Utilized by the world’s major mining houses and consulting firms for the public reporting of resources and reserves, CAE Mining’s resource modeling systems are rich and flexible toolsets capable of:

- Drillhole and sample processing
- Statistical and geostatistical analysis
- Geological interpretation
- Structural and zone modeling
- Grade interpolation
- Resource classification
- Ore reserves estimation and reporting.
Whether in consulting, exploration, resource development, planning or production operations, CAE Mining’s resource modeling systems are the essential tools for mining professionals.

Studio 3

Studio 3 specializes in geological modeling and mine design and has been the industry leading resource and reserve modeling system for over 20 years. Studio 3 possesses multi-parametric modeling capabilities, and the versioning, audit trails and repeatability demanded by JORC, SAMREC, NI 43-101 and Guide 7.

Key features include:

- Superior geostatistical capabilities including dynamic anisotropy and orebody unfolding to deal with post mineralization orebody distortion and conditional simulation tools to quantify risk
- Geotechnical modeling that provides a detailed understanding of ground stability and rock characteristics
- A Mineable Reserves Optimizer that allows stoping blocks to be identified to turn a geological resource into a mineable reserve
- Data Source Drivers that enable Studio 3 to integrate seamlessly with other solutions.

CAE Strat3D

The latest evolution in CAE Mining’s sophisticated Resource Modeling software solutions, CAE Strat3D operates as a tailored work-flow driven system creating optimized 3D models for the visualization, classification and evaluation of iron ore, bauxite and other stratified deposits.

Key features include:

- Comprehensive data entry for drill hole survey and lithology data, ply and/or composite quality data plus geophysics and survey and other point data types
- Quality model creation using compositing rules and interpolators to update the strata block model with quality attributes and other properties
- Powerful drill hole correlation to facilitate data preparation for modeling – depth correction, working section identification, fault orientation and location, management of modeling flags and strata correlation
- Flexible output options for plotting, reporting and model and data export.