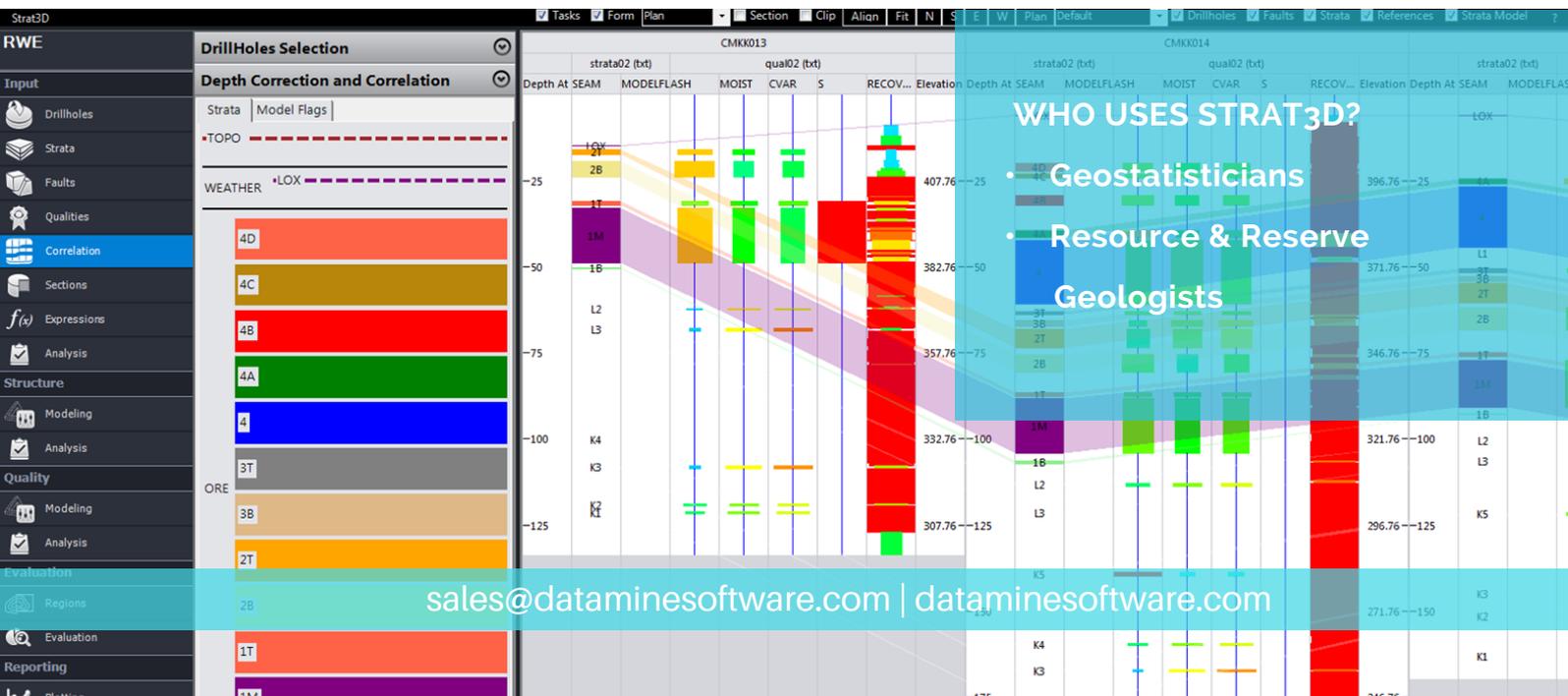# STRAT3D

Automatic and accurate modelling and evaluation of stratigraphic mineral deposits

OVERVIEW

Experience a step change in the modelling of stratified deposits with Strat3D and its work-flow based user interface tailored to the needs of coal, bauxite and other stratified deposits,

Strat3D creates true 3D prism strata block models that provide a highly accurate representation of structure combined with quality, grade, contaminant, waste and other information.

With its unique and powerful implicit model building algorithm, Strat3D automatically builds a structural model from fault, drillhole intersection and seam description data. Quality data can be interpolated into the model using a variety of geostatistical methods.

WHO USES STRAT3D?

- **Geostatisticians**
- **Resource & Reserve Geologists**

FEATURE HIGHLIGHTS

- **Comprehensive data entry** for drillhole 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 modelling – depth correction, working section identification, fault orientation and location, management of modelling flags and strata correlation
- **Flexible output options** for plotting, reporting and model and data export.

KEY BENEFITS

- **Logical workflow oriented interface**
  With its simple, clean interface Strat3D guides the user through the sequence of activities to produce and validate detailed three dimensional stratigraphic models.
- **High quality three dimensional models**
  The models produced by Strat3D's implicit modelling engine can represent a high level of geological complexity. Strat3D's prism block models provide a highly accurate representation of stratified deposits even when reverse faulting, complex seam splitting and multiple narrow strata are present.
- **Sophisticated geostatistics**
  Strat3D has functionality for quality interpolation such as kriging that are not normally associated with stratified deposit modelling systems. The quality interpolation combined with the implicit modelling engine results in highly accurate models of complex deposits.
- **Tools that a geologist feels comfortable with**
  Strat3D requires a number of geological inputs and controls to produce a detailed model. Many of the tools used for data correlation and strata definition are intuitive to a geologist and closely mimic what they have been doing for years on paper. These tools allow the user to provide a high level of geological control on the models.

BOOK A DEMO

To book a free demo of Strat3D, contact your local Datamine office.

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