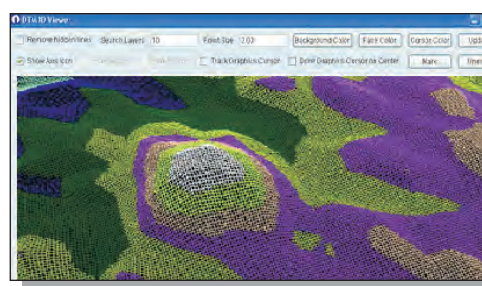# ROLTA TERRAIN ANALYST

Rolta Terrain Analyst is a powerful yet 'easy to use' Terrain analysis tool to create, edit and manipulate elevation data with unique and well defined workflow to handle elevation data represented as TIN , GRID and Flythrough. It has the ability to create realistic flythrough model for Terrain visualization

Rolta Terrain Analyst – TIN

Rolta Terrain Analyst- TIN is surface generation, contouring and visualization application
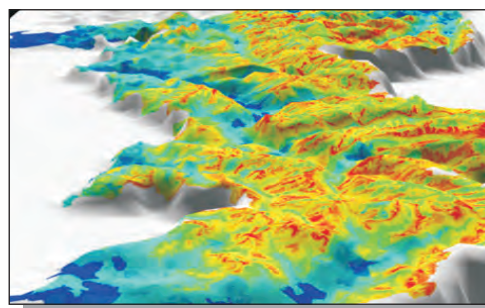
- Effective Contour creation techniques with huge data set
- Sandmodel creation for briefing
- Colour coded wire frame generation

Rolta Terrain Analyst – GRID

Rolta Terrain Analyst – GRID is a flexible, powerful and user friendly 3D Terrain analysis software
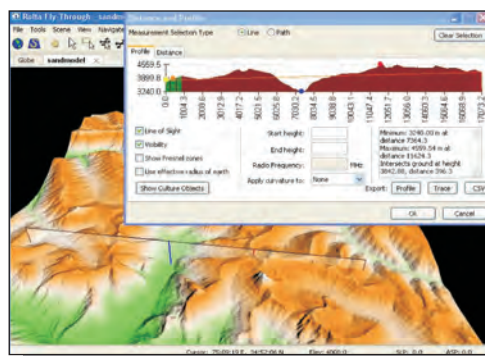
- Visibility Analysis tool and generate colour coded image and shaded relief with different sun angle
- Easy Import and Export of DTED and other elevation data formats
- Generation of Slope and Aspect analysis

Rolta Terrain Analyst – FLY THROUGH

Rolta Terrain Analyst – Flythrough is a unique module enabling realistic terrain modeling and interactive real time fly.

- Easy Flythrough Model creation
- Enhanced tool for Defense strategy planning
- Flythrough model with advanced route navigation systems
- Well streamlined workflow to create sand model

Key Features

- Powerful mechanism to visualize the contour and elevation data in different views
- Create Hill shade and color coded wireframe from elevation data based on TIN method.
  Quick export and import of Elevation data as DTED, Arc ASCII, DEM etc
- Powerful Visibility Analysis tools as Line of sight, visibility polygon and Visibility fan.
- Quick Overlay of vector data as predefined layers or as generic layers
- Supports 3D symbols in different formats include Indian Military symbols (*.X, *.3ds, *.obj and *.flt formats)
- Record and play back the fly through as an movie file in *.avi format. Visualize the fly through model in Normal View, Man Eye View and Birds eye View
- Easy navigation mode as Dynamic flyer and Grab Pivot for easy move around the model

Benefits

- Visual detection and Elevation editing improves the Quality
- Well defined Workflow which improve Productivity
- Support various formats of 3D Symbols
- Hassle free Navigation tools to increase user experience
- Easy to handle large data sets
- Ability to view terrain models in different angles
- Military mission planning and rehearsal, in vehicle navigation, and training
- Realistic visualization of Terrain
- Topographic mapping and Slope Analysis
- Environmental and natural resource Management
- Urban Planning and analysis
- Aerial Visualization of Real estate and Travel destinations

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ROLTA

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