



LiDAR's First Completely Integrated Solution

Cost-Effective Product Extension

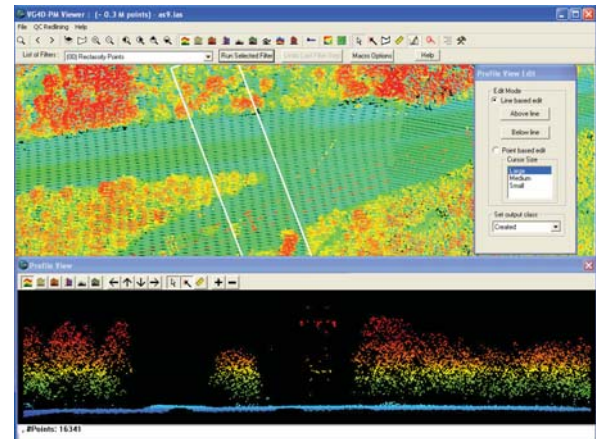
Virtual Geomatics' VG4D Data Manager™ was derived from the high-volume, high-quality, Production Manager™. As a subset of the VG4D Production Manager, the Data Manager contains the same functionality of the Production Manager minus the advanced filtering capabilities.

The Data Manager allows GIS production shops to increase the number of manual editing and quality control seats without incurring the costs of additional full Production Manager licenses.

End User LiDAR Exploitation Solution

For geospatial service providers that utilize the VG4D Suite for the production of the LiDAR project deliverables, now the production database can be included with project components to add value for their customers. Data Manager is the software solution that enables customers to perform internal quality control tasks, access, view and exploit not only the data contained in the LAS files themselves but also the project production database.

In addition to making internal quality control tasks easier with the added ability to perform in-line editing functions in a single application, this streamlined tool enables engineers, planners, and other GIS users to be able to view and select specific classes and boundaries for re-projection and export to other formats for input into customer's industry specific applications.



Inigorating Established Markets

Whether from airborne, terrestrial, or other sources, VG4D Data Manager is designed to help users from all types of mapping firms: Federal, State, and local governments; civil, survey, and environmental engineers; forestry and natural resources professionals; educational and research institutions, and any other geospatial professionals identify, re-project, analyze, manipulate, utilize and distribute multi-dimensional data products.

Raising Expectations

VG4D Data Manager is an exciting step forward for the geospatial software industry. It is raising the bar in customer expectations for both functional capabilities and creative, insightful solutions with aggressive, competitive strategic solution pricing from market leading solution developers.

Refine Your Company's Production Reality

Whether purchased and deployed together or separately, take the next step forward with us and enjoy the advantages delivered to your projects by Virtual Geomatics and the VG4D Production Manager and Data Manager combination.

"Now, with VG4D Data Manager, our customers have a software package that allows them to work with the production data files. Looking back, I can't imagine that the market hasn't required this before now."

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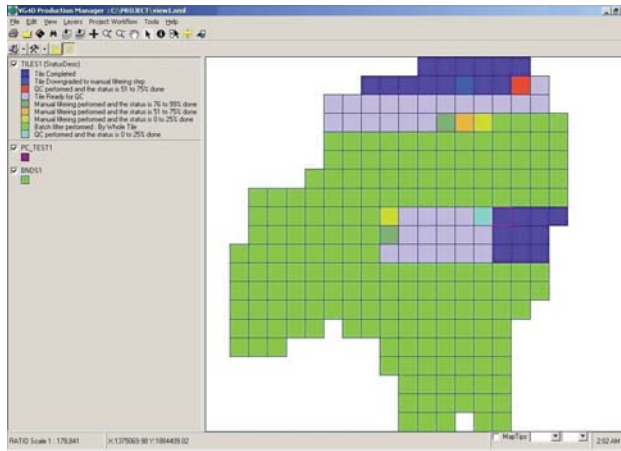


Figure 1. Powerful workflow-based project management views

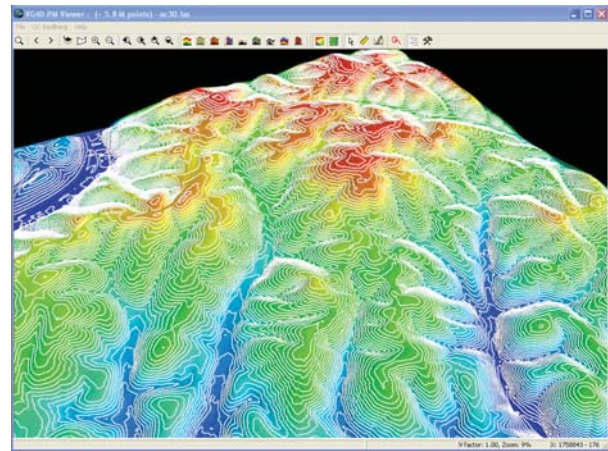


Figure 2. Extensive 3D visualization capabilities: color shaded relief with on-the-fly 3D contours

Product Features

- Stand-alone; no 3rd party software required
- Create LiDAR Spectral Fusion (LSF) data sets rapidly and easily using existing imagery to attribute LiDAR data with spectral values
- LAS 1.1 and 1.2 compliant
- Real-time tracking and reporting when used as a production tool

Tool Box

- LSF - LiDAR Spectral Fusion - LiDAR points attributed with spectral band information
- Import - ASCII, LAS, GIS product formats
- Export - Elevation, Intensity, Contours, Shaded Relief, LSF, GeoTIFF image files; LAS, ASCII, DXF, BIN, and other GIS formats
- Create and export 3D contours
- LAS, ASCII and ESRI ASCII grid with interpolation options
- LAS transformation - Adjust XYZ values, shift, scale, rotate
- DTM generation capability
- Re-projection
- Slope analysis with export to polygons and rasters

3D Visualization

- Powerful and easy-to-use 3D data viewer
- Memory optimization all visualization of very large datasets, at one time
- Profile view editing
- Integrated manual editing and reclassification tools
 - Linked 2D/3D view - rapidly identify and visualize tiles for display, QC or editing
- Visualization modes include - shaded relief, elevation, return intensity shading, color by classification, color by flight line, pseudo contours and LSF

- One-button classification visualization
- Intuitive 3D rotation, panning, zoom tools, vertical exaggeration, azimuth, on-the-fly 3D TIN rendering, and on-the-fly 3D contour visualization
- GPS time, coordinate, return, intensity and filename readout by cursor location

Contouring

- Full featured toolset to create 3D breaklines by draping 2D vectors
- Create cartographic quality contours - with full control over "smoothing" and minimum isolation size

Project Management

- Metrics reporting
- Track time by machine
- Track time by task
- Track time by staff member
- Real-time database update during production/edit/quality control

Call for pricing and more information:



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