

## *LiDAR's First Completely Integrated Solution*

"Now with the VG4D Data Manager for ArcGIS™ extension, we explore and exploit our company's LiDAR data assets within ArcView™. It has freed the map production department of the LiDAR data fetching and transformation tasks."

### End User LiDAR Exploitation Solution

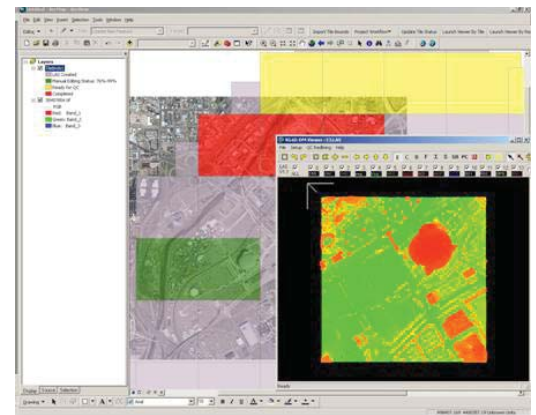
Virtual Geomatics' VG4D Data Manager for ArcGIS™ was derived from the VG4D Production Manager™ standalone product to bring the functionality of the VG4D suite directly to the ArcGIS™ desktop.

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 deliverables to add value for their customers who use those deliverables directly in the ESRI ArcGIS desktop solutions. Data Manager is the software solution that enables customers to access, view and exploit the data contained in the LAS files themselves.

In addition to making normal 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 export to other formats for input into other industry specific applications.

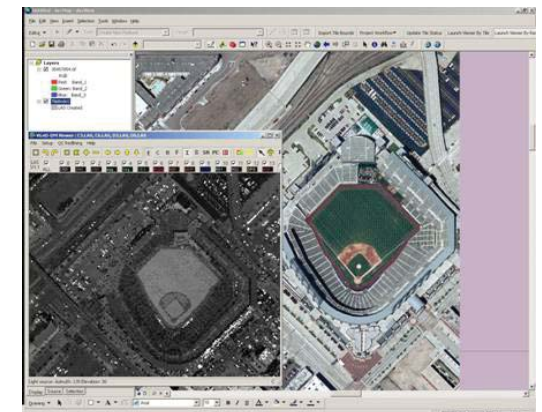
### Invigorating Established Markets

Whether from airborne, terrestrial, or other sources, VG4D Data Manager for ArcGIS 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, classify, analyze, manipulate, utilize and distribute multi-dimensional data products within their normal ArcGIS desktop solutions workflow.



### Raising Expectations

VG4D Data Manager for ArcGIS 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.



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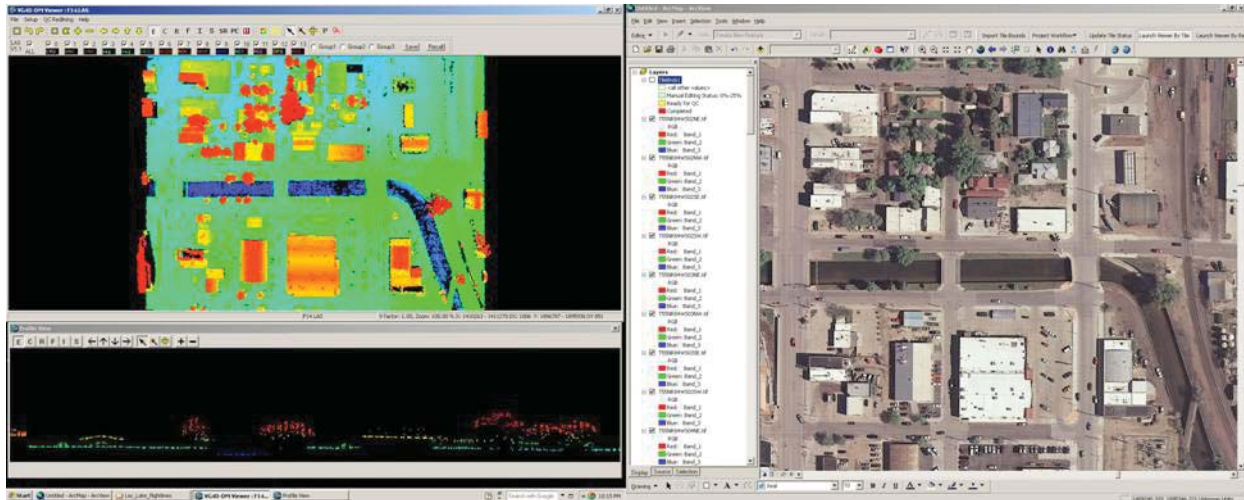


Figure 1. Powerful workflow based views with linked 2D/3D visualization including profile view.

## Product Features

- ESRI Extension built on ArcObjects™ platform
- Create SILC™ data sets rapidly and easily using existing imagery to attribute LiDAR data with spectral values
- LAS 1.1 compliant
- Real-time tracking and reporting when used as a production tool
- Synchronized 2D/3D views

## Tool Box

- SILC -Spectral Imagery LiDAR Composite - LiDAR points attributed with spectral band information
- Import -ASCII, LAS, GIS product formats
- Export - Elevation, Intensity, Contours, Shaded Relief, SILC GeoTIFF image files; LAS 1.1, ASCII, GIS product formats, DXF
- LAS and ASCII file re-projection
- LAS and ASCII gridding
- LAS transformation - Adjust ZYX values, shift, scale, and rotate

## 3D Visualization

- Powerful and easy-to-use 3D data viewer
- 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 SILC
- One-button classification visualization
- Profile view editing

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

## 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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