Global Mapper

OVERVIEW OF FUNCTIONALITY

afgen

Workshop and Technical Day - 6th November 2015

SMC Synergy
Spatial Management Consulting

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Main features

- Cost effective – single license for US$499
- Link to on-line data – TomTom/MapIT, CD:NGI Aerial Photographs, Bing, Google, Landsat 8, SRTM DEM
- Import and export dozens of file formats (±300)
- User-friendly Map Catalog
- Raster calculator (NDVI etc.)
- Save geo-referenced on-line images
- Excellent feature mapping and editing tool
- Generate watersheds/streamflow
- Handle massive LiDAR/Drone datasets
- Optional LiDAR Module for advanced processing
- Volume calculation – cut and fill
- Realistic 3D perspective view – capture fly-through
- GPS tracking – upload images to GPS
- Wide variety of DEM processing tools
  - Create DEM, contours, slopes, flooding

Import more than 300 formats

Online data

(MapIT/TomTom – CD:NGI Aerial photographs, TomTom GPS data, Bing, Google)

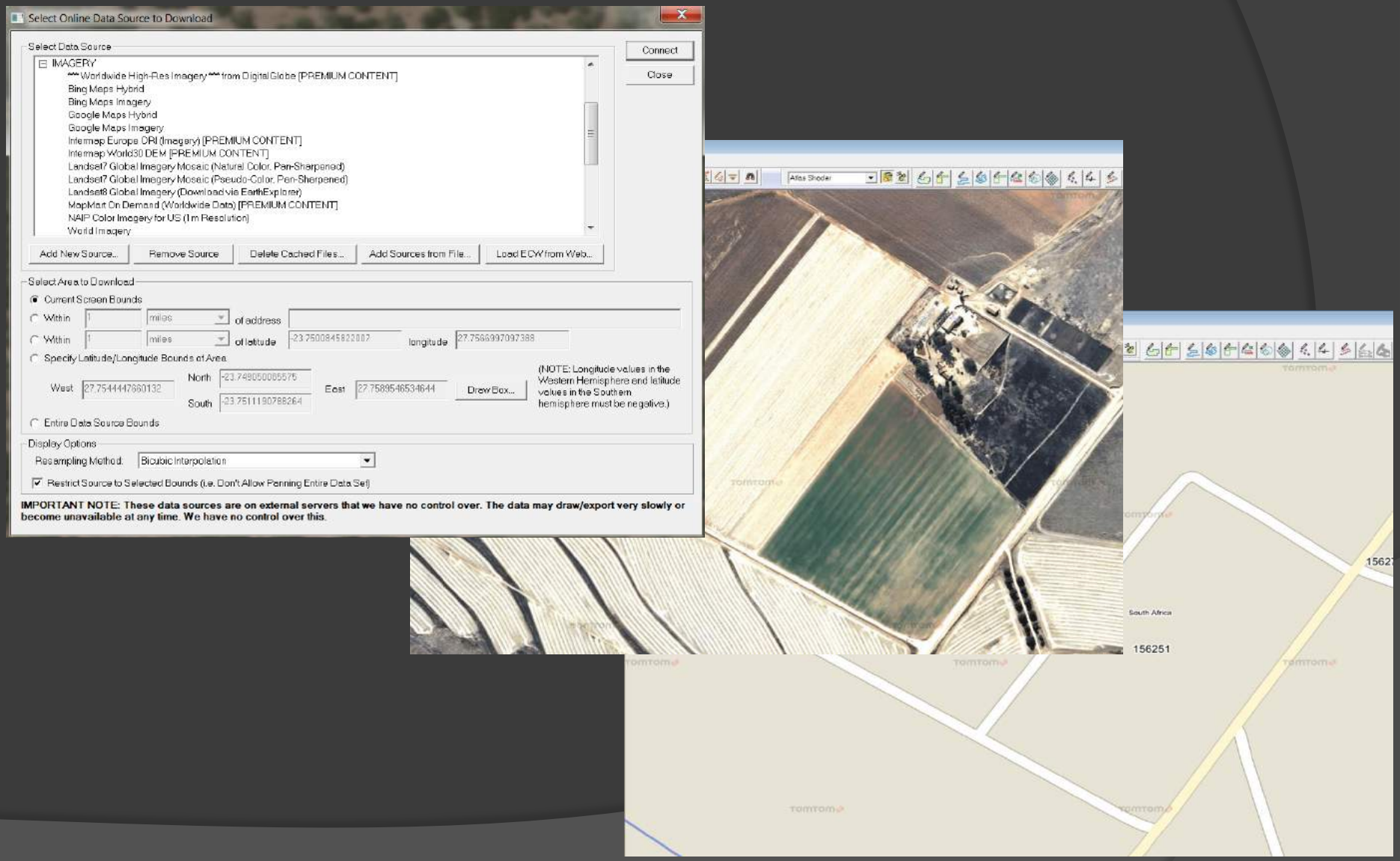
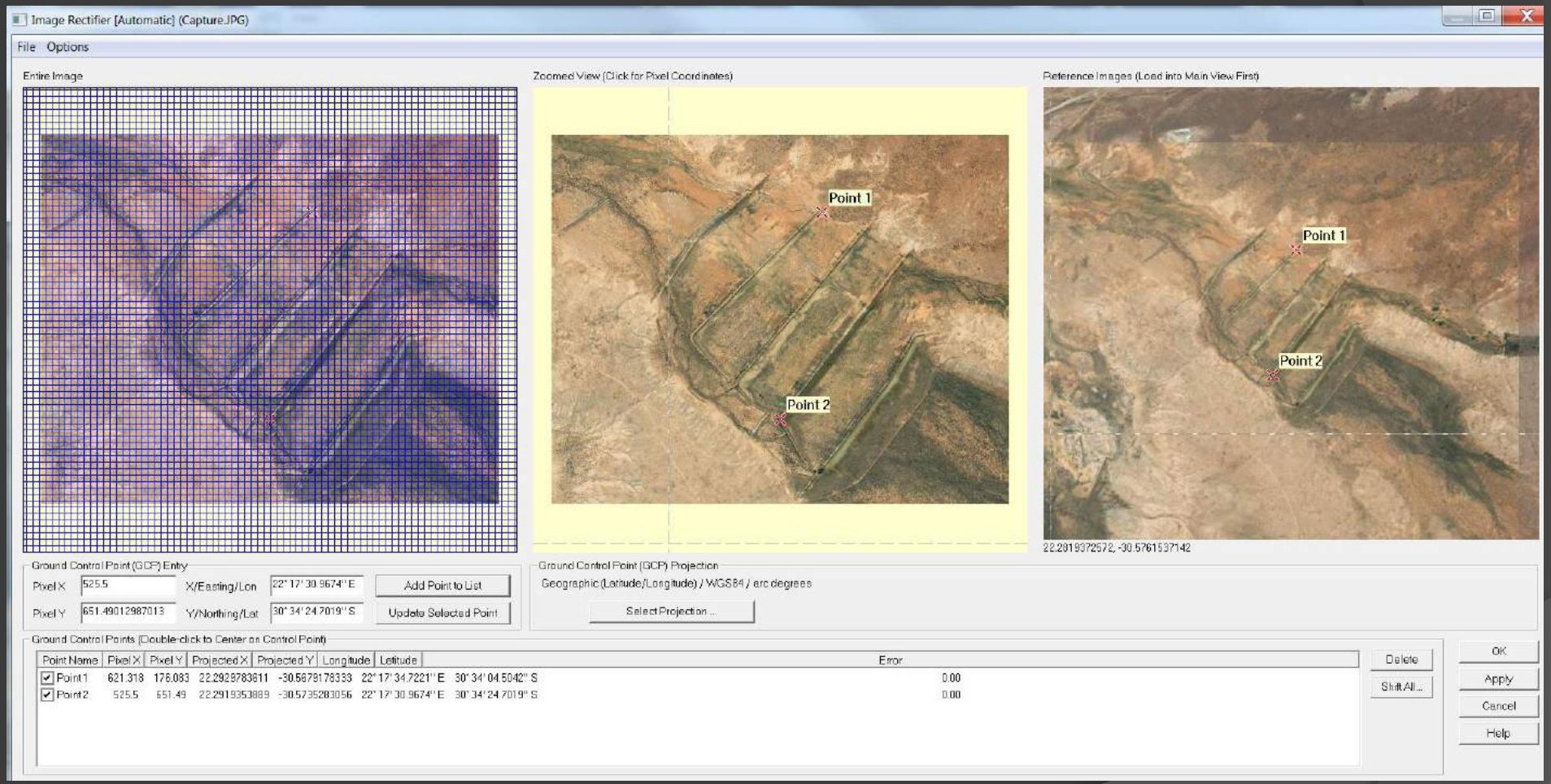
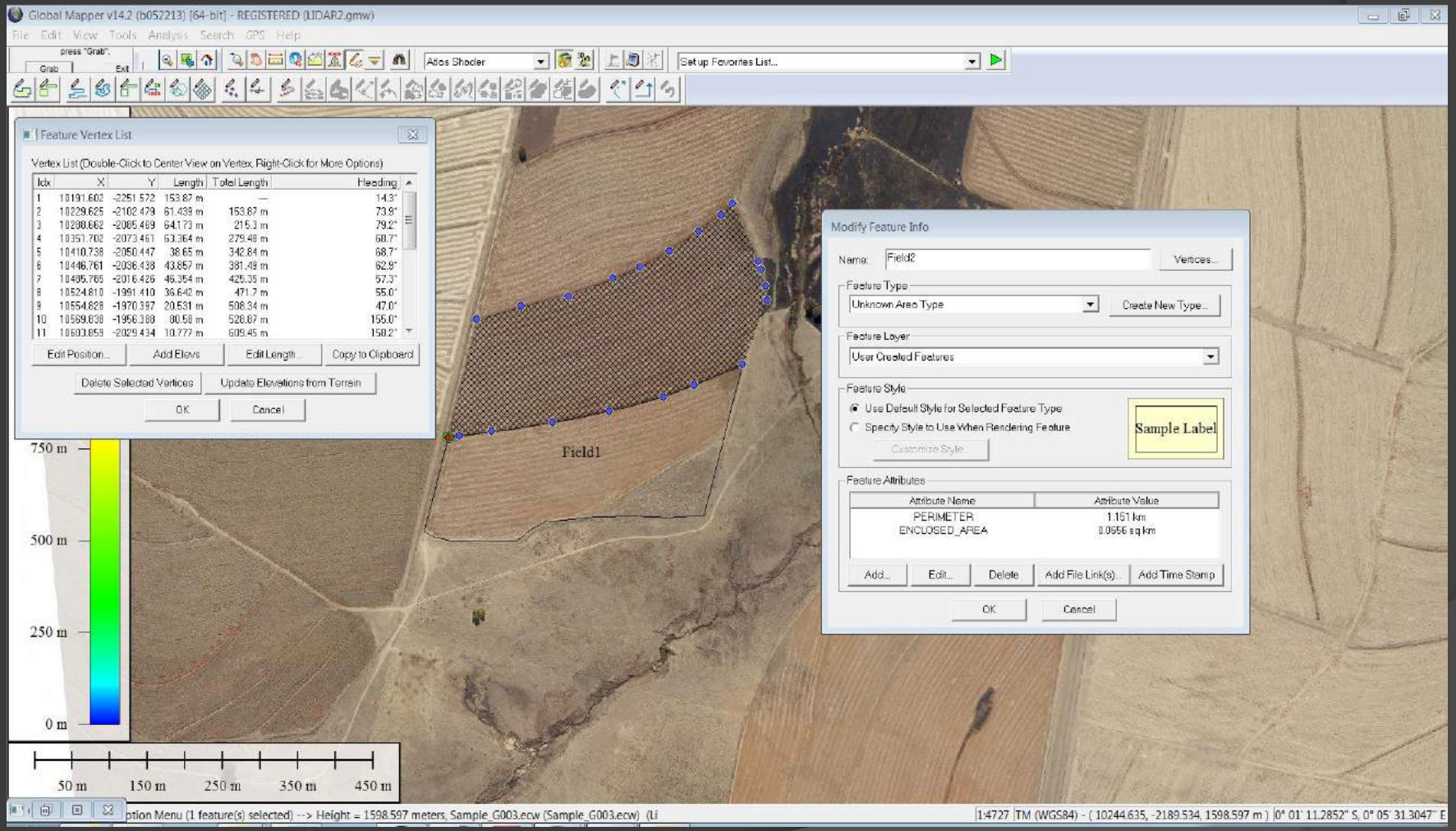


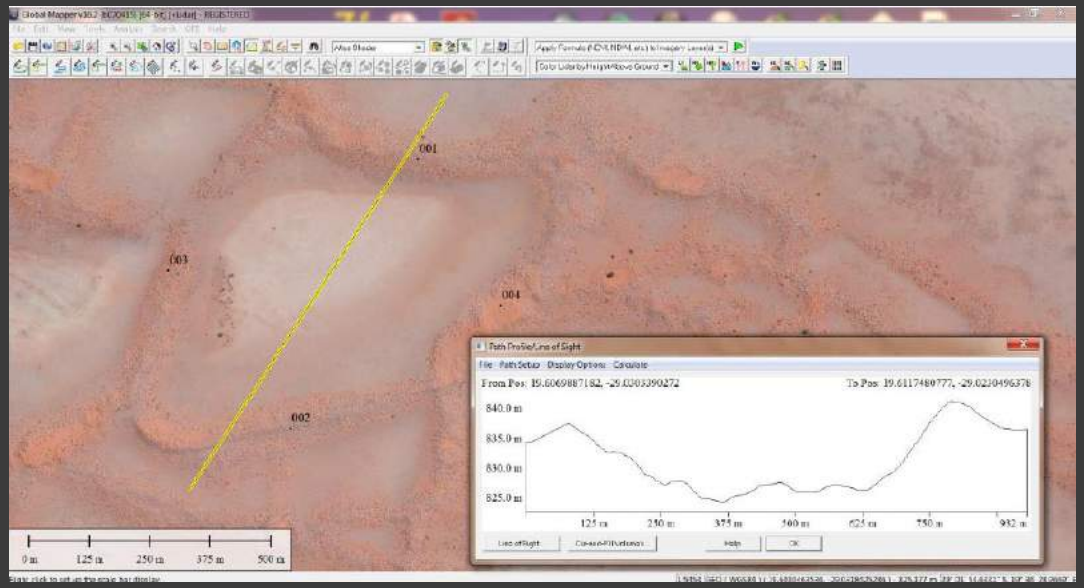
Image rectification

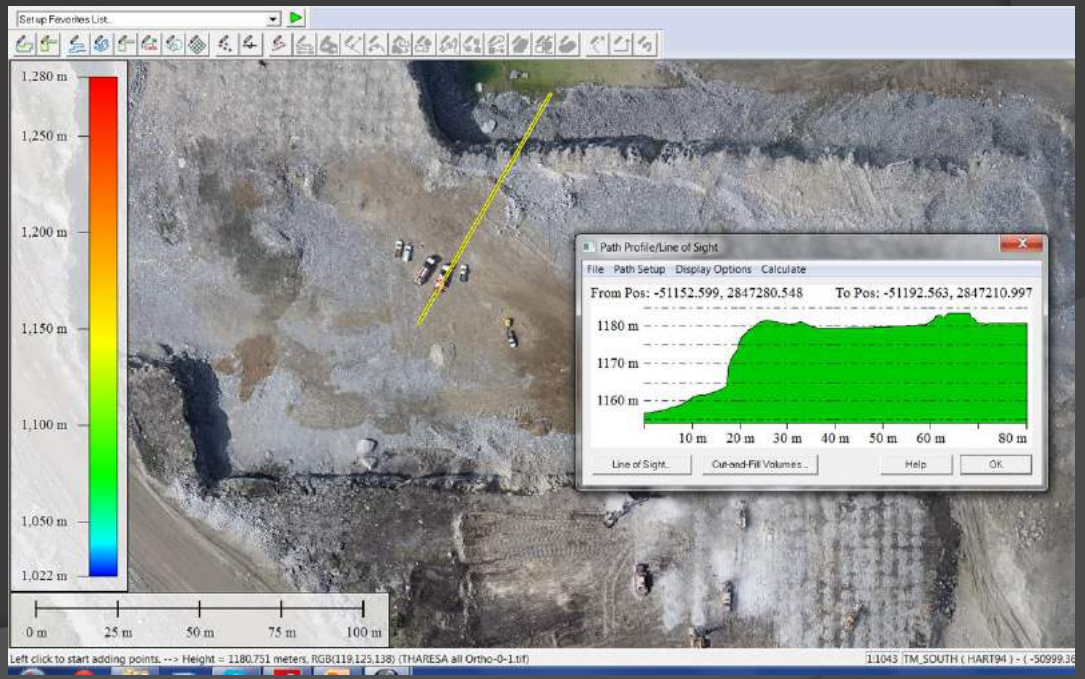


Vector creation/editing tools

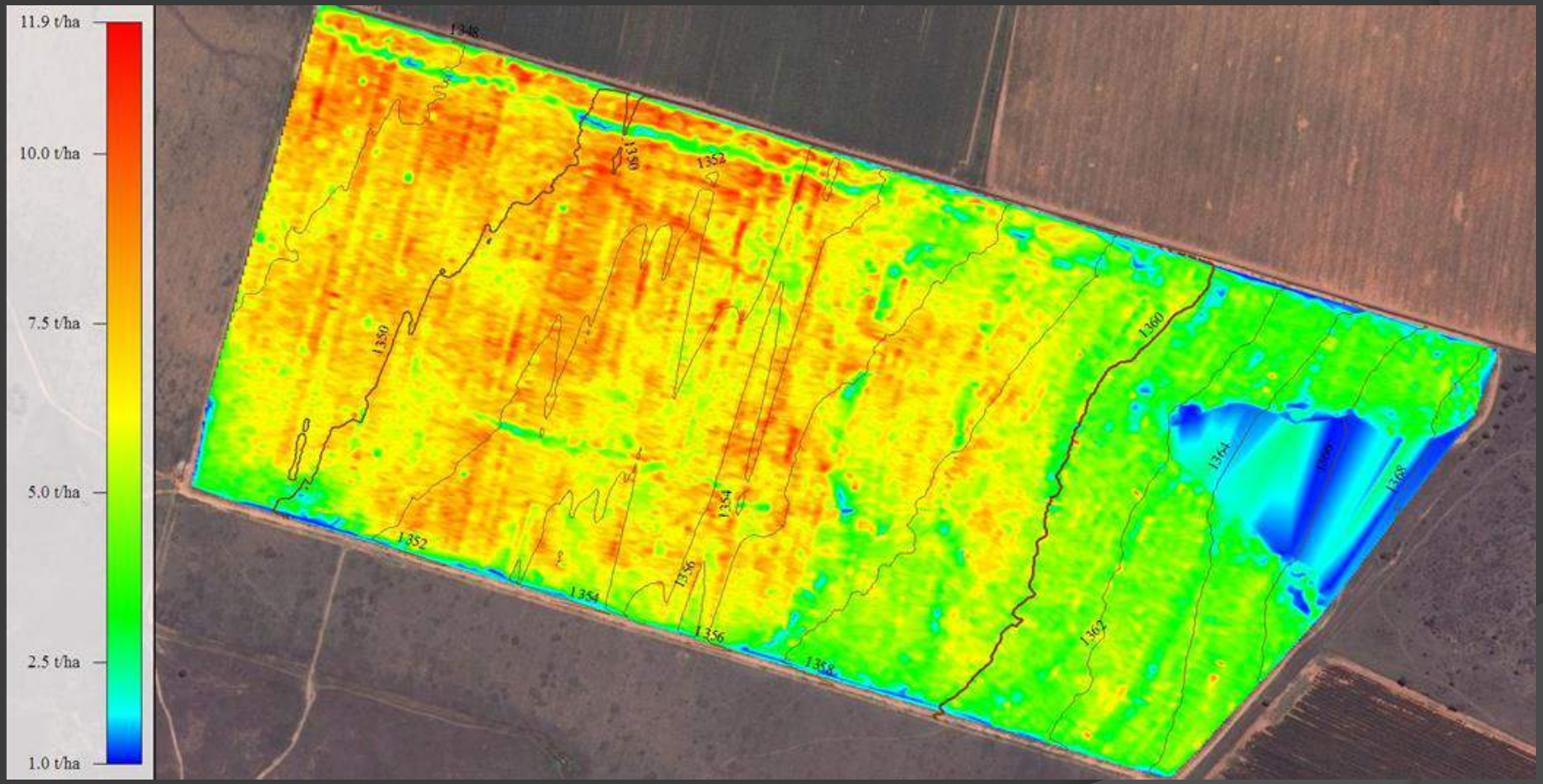


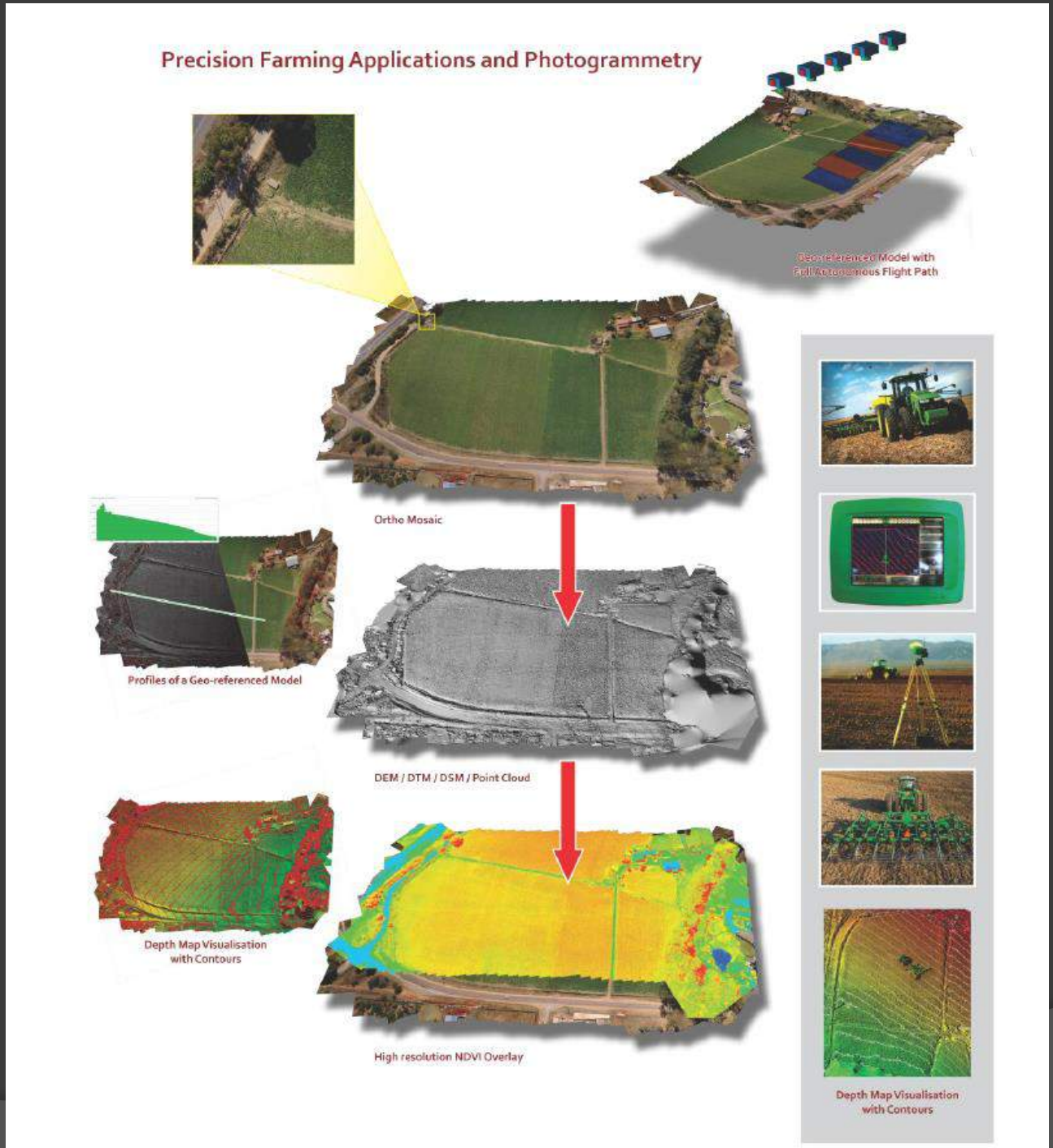
Terrain profile analysis





Yield data from combine harvesters

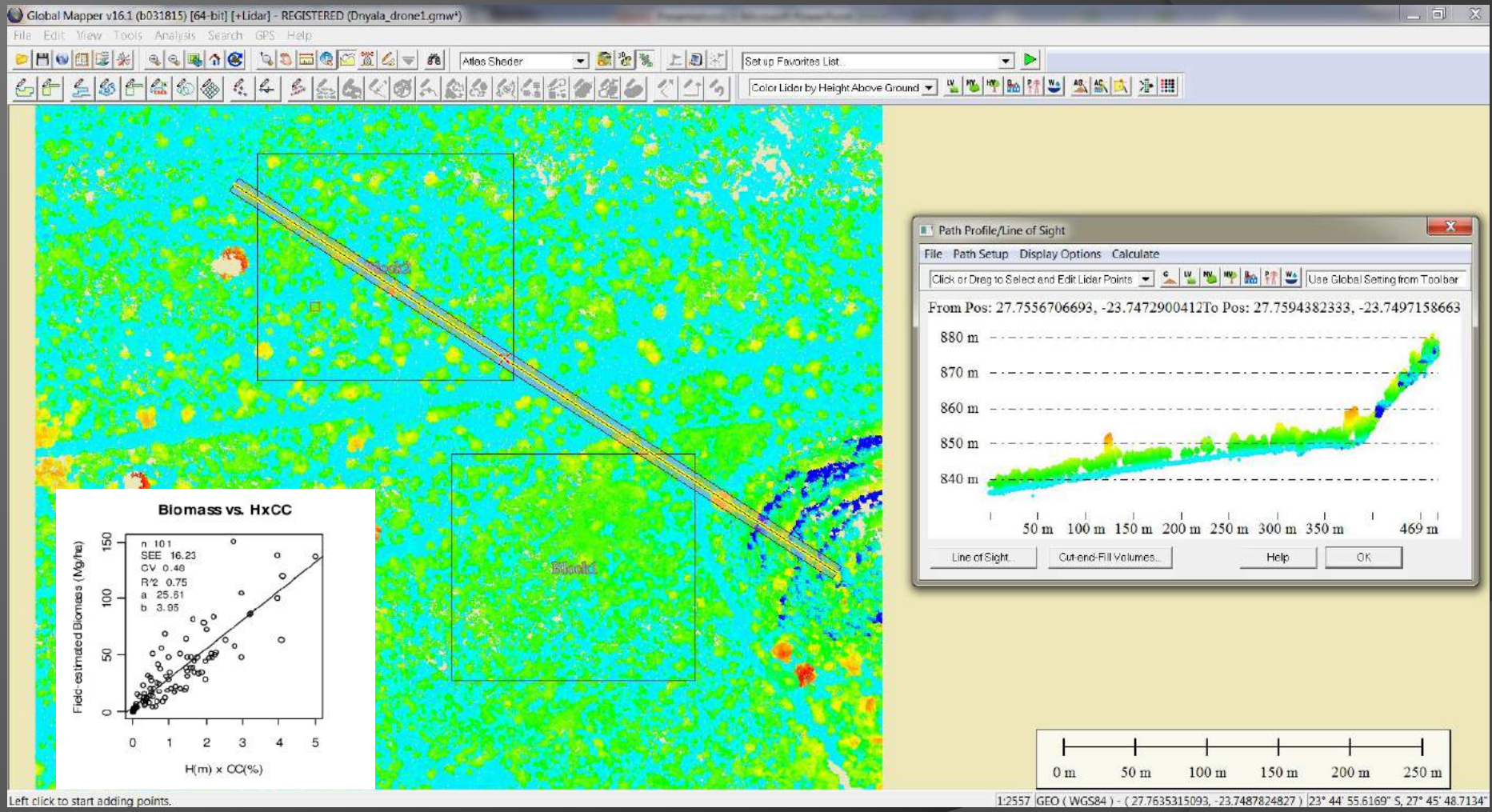




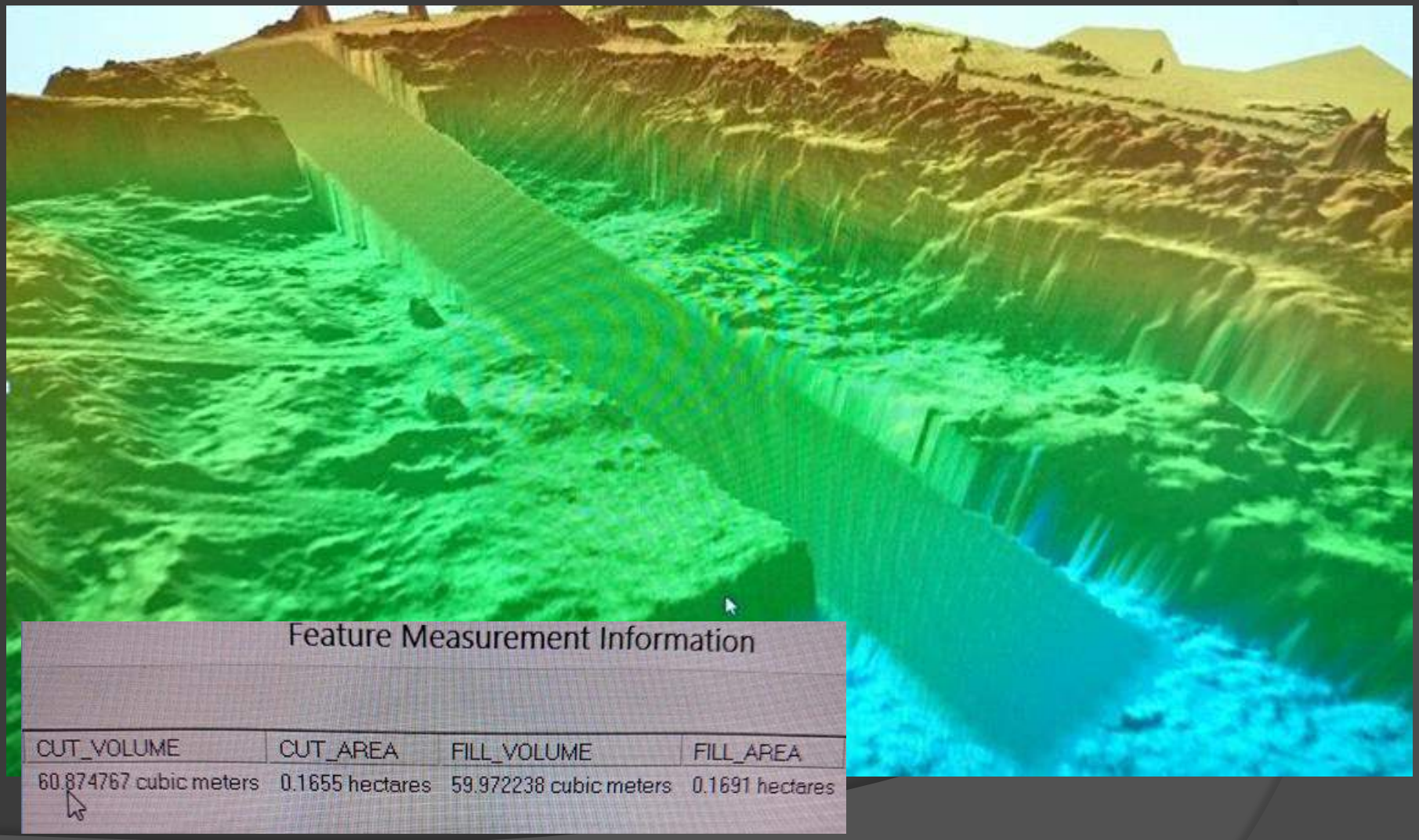
APPLICATIONS

- **Near real-time imagery**
  - **color**
  - **near-infrared**
  - **vegetation index**
- **Terrain data**
  - **elevation**
  - **slope**
  - **drainage**
  - **contours**

UAV point cloud analysis



Road construction – cut and fill – volume calculations



Summary

- User-friendly – logic functionality
- Great vector creation/editing tools
- Excellent support and training
- 3D capabilities – unbeatable (try other GIS software)
- Import and export formats – best on the market
- Excellent mapping tool – real-time 3D updates
- On-line data
- Fast point cloud processing
- True value for money

Thank-you

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