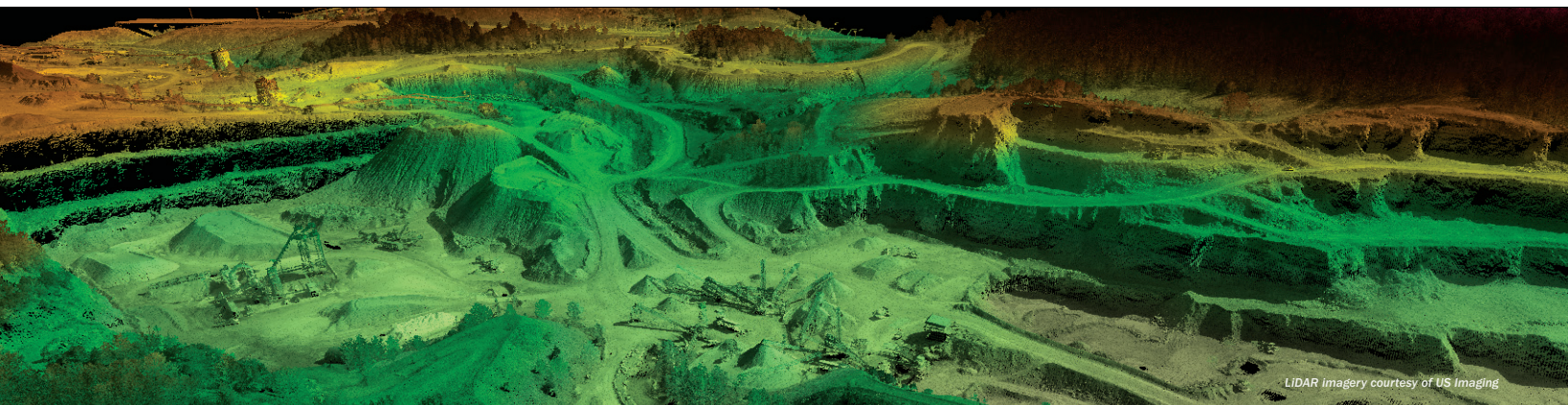


SOCET GXP® AT-A-GLANCE

LIDAR CAPABILITIES



LIDAR imagery courtesy of US Imaging

2-D SURFACE VISUALIZATION

- Contour Labels
- Customizable elevation colorization
- Post Thinning options
- Posts, Mesh, X-Profile, Y-Profile, Quick Contours, Detailed Contours

3-D CURSOR

- Surface intersect plane
- Surface tracking and manual elevation adjustment

3-D FEATURE VISUALIZATION

- Features can be optionally draped on a surface

3-D MENSURATION

- Customizable units and reported measurements
- Height
- Markers
- Polylines
- Polygons

3D MULTIPOINT® OPTIONS

- 3D Compass
- Apply templates in 3-D
- Customizable backgrounds

3-D POINT CLOUD VISUALIZATION

- Adjustable point size
- Colorization based on classification, elevation, intensity, return, or RGB
 - Layers may be turned transparent
- Multiple point clouds automatically create a mosaic
- Project imagery onto point clouds
- Shade colorization by intensity or luminance

3-D SURFACE VISUALIZATION

- Imagery can be draped on any surface in 3-D

ASPECT MAP

- Customizable aspect colorization

AUTOMATIC FEATURE EXTRACTION

- Building footprints
- Building rooftops
- Trees
- Volumetric buildings with complex roof structures

BARE EARTH AND SURFACE ELEVATION MODEL GENERATION FROM POINT CLOUDS

- Grid
- TIN
- Vertical deviation and small object filters

ELEVATION PROFILE

- Interactive link between profile graph and visualized terrain

EMBED COLORIZATION

- Allows colorization options available for point clouds to be written to the RGB values of the point cloud
 - Classification, elevation, imagery, and return values of the point cloud
- Point clouds can be saved back out as .las files with the embedded RGB values

GENERATE VECTORS

- Aspect map, slope map, terrain shaded relief, and line of sight

GEOPDF®

- 2-D GeoPDF® for terrain surface products
- 3-D GeoPDF generation

INTENSITY IMAGE GENERATION

- Customizable GSD

LEGEND

- Dynamic key for 2-D surface visualization and terrain analysis tools

LINE OF SIGHT

- 360 degree
- Accounts for volumetric features
- Customizable user height, distance perimeter, and off-boresight angle
- Dynamic update on move
- Linked elevation profile graphically shows obstructions
- Multiple line of sight graphics may be dropped
- Range fan
- Visible and hidden areas shown
 - Customizable visibility and colorization
- Visualization in 2-D or 3-D

NATIVE SURFACE AND ELEVATION MODEL SUPPORT

- GeoTIFF, NITF, etc.

POINT CLOUD FORMATS SUPPORTED

- .las
 - Full support up to v1.2 and partial support up to v1.4
- ASCII
- NITF-wrapped .las

SLOPE MAP

- Average or steepest slope
- Customizable slope colorization
- Percent or degree units

TERRAIN COMPARISON

- Volumetric mensuration

TERRAIN SHADED RELIEF

- Customizable elevation colorization
- Customizable light source
- Simple relief map option

© 2015 BAE Systems. All rights reserved. SOCET GXP and Multiport are registered trademarks of BAE Systems. All other brands, product names, and trademarks are property of their respective owners. This document gives only a general description of the product(s) or service(s) offered by BAE Systems and, except where expressly provided otherwise, shall not form part of any contract. From time to time, changes may be made in the products or conditions of supply. Approved for public release 07/19/2013. Rev 02/15.