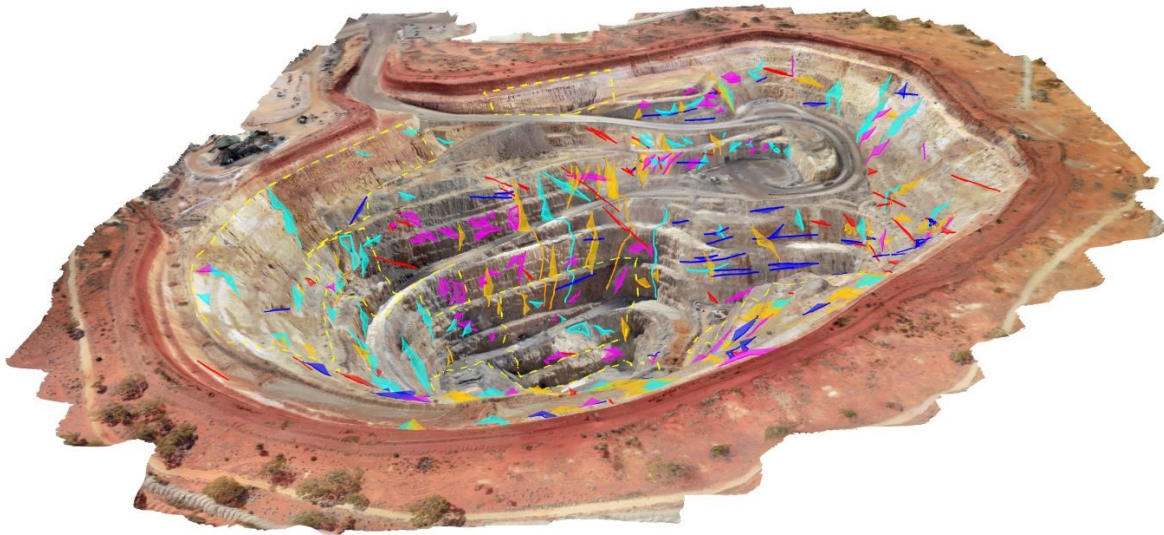


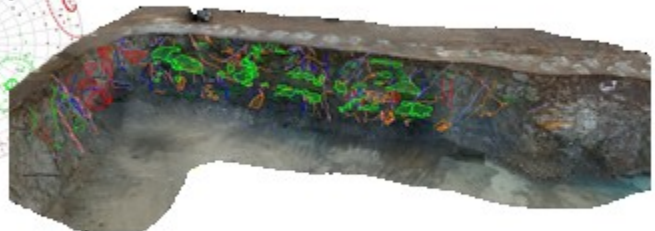
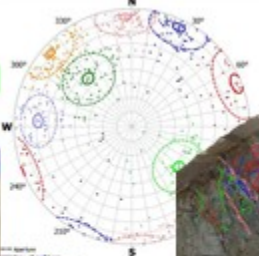
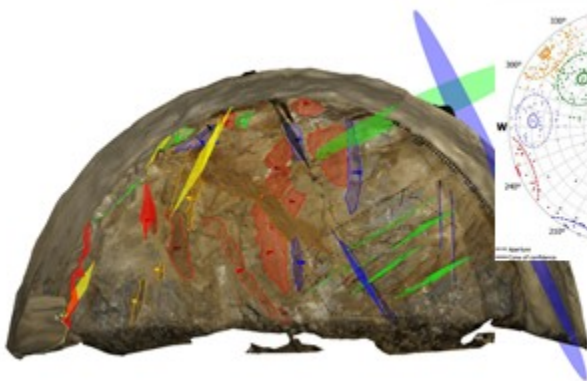
ShapeMetriX

**Geologic mapping and
geometric measurements from
aerial and terrestrial imagery**



Tunnelling

Mining



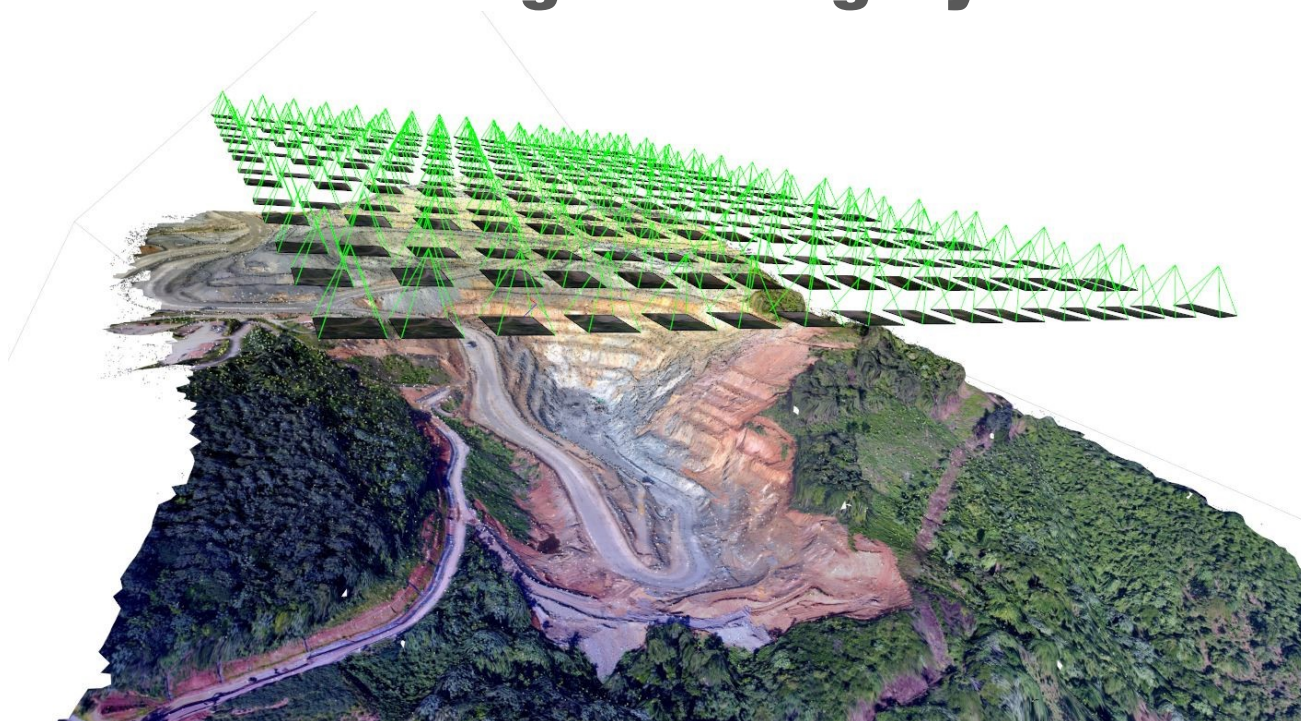
Simply Measure!

R.A. McClure, Inc. 1195 Slack Road, Unit B, Delaware, Ohio 43015
t: 740.363.6976 • info@ramets.com • www.ramets.com

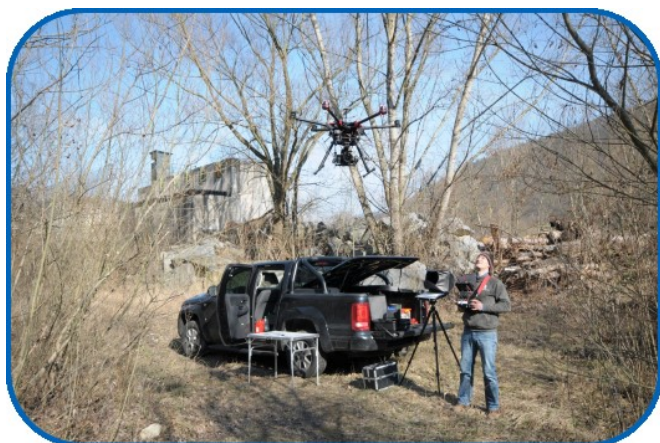
RAM
INC
Explosive Technical Services

Multiphoto

Powerful 3D model generator for digital imagery



Used on surface



Used underground



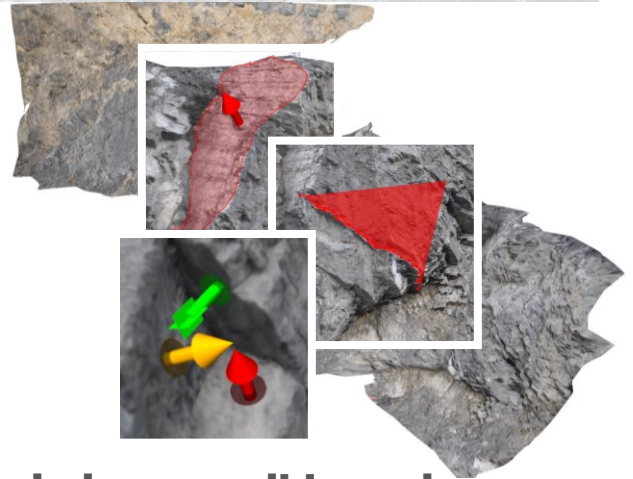
3GSM – Simply Measure!

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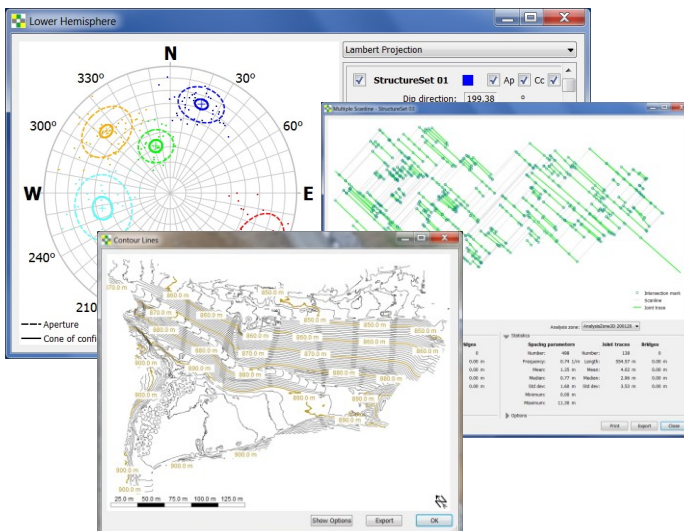
RAM
INC
Explosive Technical Services

JMX Analyst

3D Software for geological mapping and geometric measurements from high resolution 3D images



Accurate measurements even in inaccessible regions



Features

- **Semi-Automatic** mapping of traces and areas
- Measurement of distances, areas, volumes
- **Stereonets** and weighted calculation of orientations
- **Scanline analysis** and discontinuity spacing charts
- **Automatic** discontinuity set clustering
- User-defined **cross sections**
- Modelled discontinuity planes
- Contour lines
- Export functions (e.g. CAD, 3D image formats)
- Measurements in nationwide co-ordinates

Instant analysis and data export

Selected Benefits

- **Contact-free** measurements even in inaccessible regions
- No work in unsecured or dangerous areas
- **Efficient** and **quick** geologic mapping
- High measurement density for improved analyses of stability and exploitation
- Permanent high-quality documentation
- **Optimization** of excavation
- Instant assessment of wall quality

