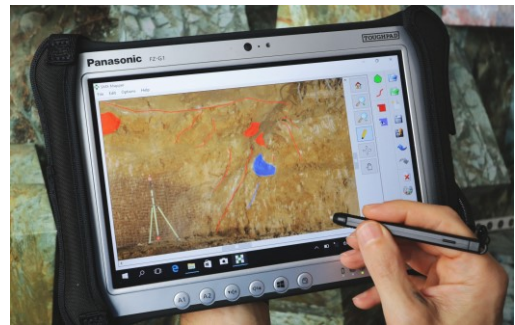


ShapeMetriX 3D Tunnel

Digital tunnel face documentation

Simple application by taking pictures

Comprehensive assessments



Workflow

- Set up the range pole
- Take pictures of region of interest with calibrated camera
- Generate 3D image on the computer
- Inspect and assess 3D image with included 3D Software

Features

- Measurement of 3D points, distances, areas, volumes
- Determination of spatial orientations (dip angle and dip direction)
- Exports directly into standard file formats (CAD, MS Excel)
- Calibrated camera
- Intuitive Graphical User Interface

Selected Benefits

- Data acquisition in a minute
- Result is 3D surface plus image information
- No surveying skills required
- Contact-free measurements
- Measurements at arbitrary number
- Later proof of rock mass conditions

Fields of application

- **Tunnelling**
Geological tunnel face documentation in 3D
Claim management
- **Underground mining**
Geologic documentation, rock mass characterisation
- **Documentation**
Conservation of evidence, architecture, ...