

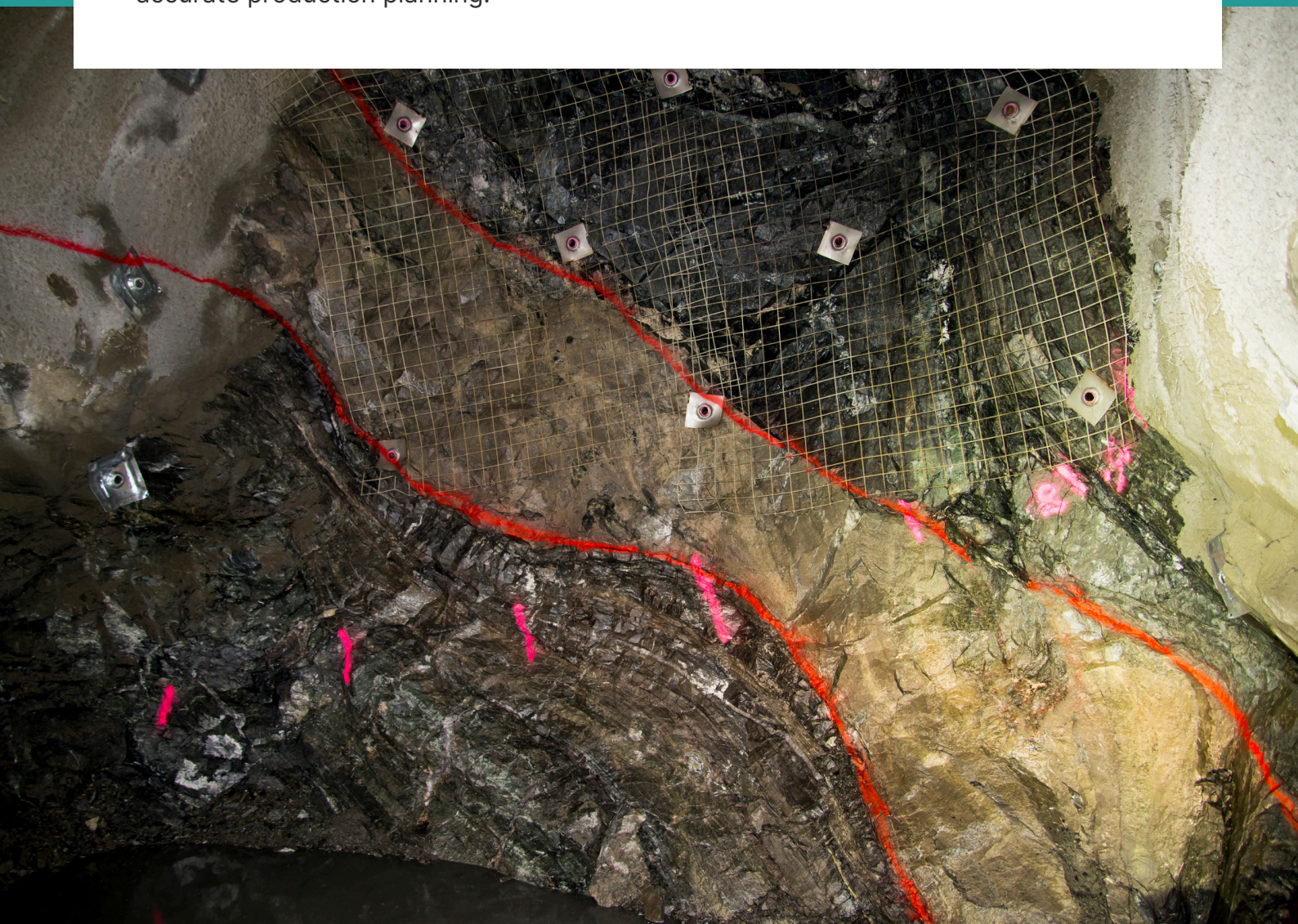
STUDIO MAPPER

Studio Mapper is a task-focused geological and geotechnical mapping and sampling application for tablets and desktop computers.

It enables geologists to capture data digitally at the source, reducing double handling and supporting faster, better-informed ore control decisions underground. Built on the Studio core platform, it can integrate with Studio Geo and Studio RM to dynamically update geological models using routinely mapped data, improving resource model reliability and supporting more accurate production planning.

Who uses Studio Mapper

- ✓ Production/Mine Geologists
- ✓ Geology Technicians and Samplers
- ✓ Geotechnical Engineers



KEY BENEFITS



Easy to adopt

Designed for routine mapping workflows, with a short learning curve for new users and an even faster transition for existing Studio users.



Less double handling

Replace paper field books, spreadsheets and repeated data entry with a controlled digital workflow that captures data once at the source.



More continuity between mapping campaigns

Give incoming geologists access to previous mapping and geological context, helping them make better-informed decisions on current development.



Faster decisions underground

Put drillholes, models, designs and previous mapping at the geologist's fingertips, reducing the need to return to the office before making time-sensitive decisions.



Keep models current

Use routinely mapped data to support dynamic model updates, helping key decisions reflect the latest available information.

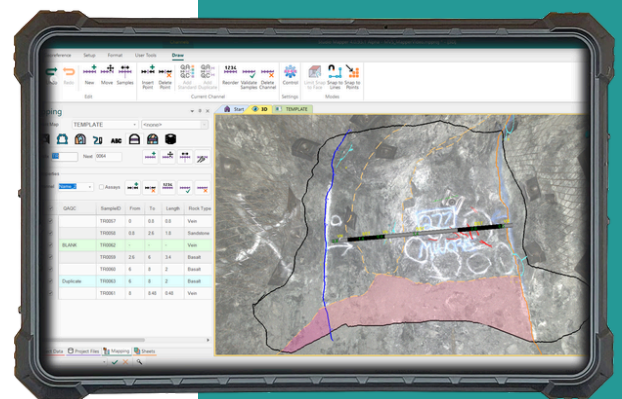


Georeferenced at the face with MVS

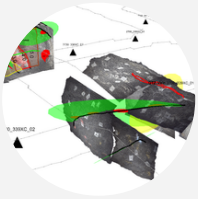
Capture real-world structural data at point of capture, reducing the need for manual georeferencing or post-processing on the surface.

Mine Vision Systems™ (MVS)

Datamine's partnership with MVS connects Studio Mapper with the FaceCapture™ mapping system to deliver an end-to-end hardware and software workflow for underground mapping. FaceCapture™ combines LiDAR scanning, photography and onboard processing to create automatically georeferenced 3D scans at the face. Studio Mapper then provides the configurable tools to map, sample and feed the resulting data into downstream systems.



KEY FEATURES

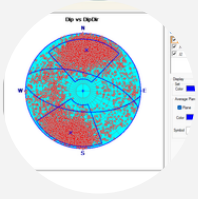
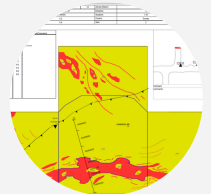


Map and digitise directly onto photogrammetry

Work directly with LiDAR scans, textured images, grids and 3D drone surveys using 2D planes, combined planes or full 3D data.

Supports a wide range of mapping methods

Map headings, faces, backs, scanlines, cells and benches using configurable workflows, with site-specific reporting for each map type.

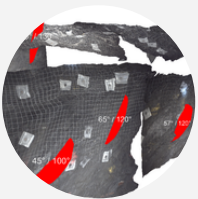
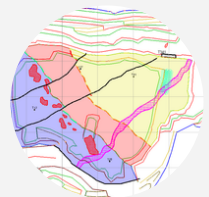


Capture geological, geotechnical and sampling data

Make use of a structured digital workflow, including channel samples, QA/QC standards, duplicates, areas of influence and common geotechnical calculations such as Q and RQD, reducing double handling from paper-based workflows.

Georeference mapped data

Use point-to-face measurements, external stations, measured camera or scanner positions, or MVS scans georeferenced at point of capture, reducing the need for post-processing on the surface.

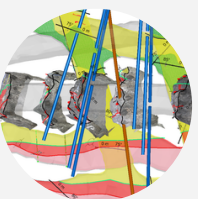
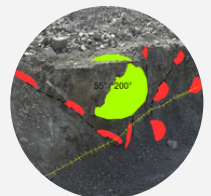


Record precise structural measurements

Studio Mapper uses automatically calculated strike, dip and dip direction, plus automatic annotation and label generation to support consistent interpretation and real-world structural data capture.

Configure field capture to suit site requirements

Use a single, configurable workflow to standardise data capture while supporting different mapping types and site-specific needs.



Review mapping, drillholes, models and designs

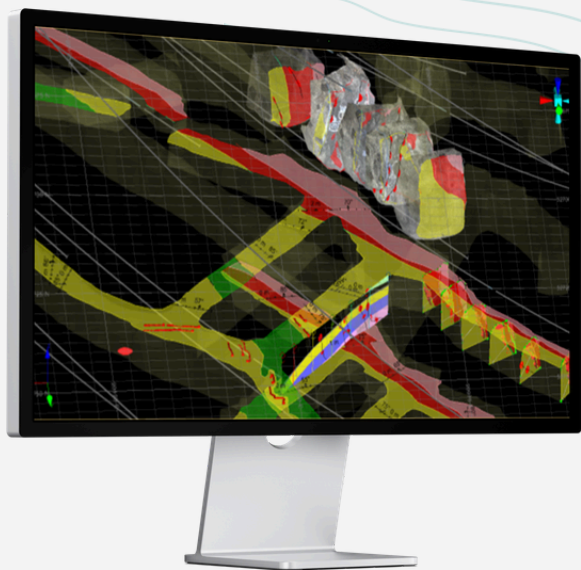
Access existing mapping, drillholes, models and design data at the working area to make faster, better-informed decisions and stay aligned with the latest available information.

STUDIO MAPPER IN PRACTICE

Keep development moving

When a bifurcation is identified in an economic vein, geologists need to make a fast, well-informed decision about which structure to follow. In a traditional workflow, the drive may need to be paused while mapping, measurements, drillholes and model data are reviewed on the surface.

With Studio Mapper, geologists can map the vein from LiDAR scan data and review drillholes, previous mapping and model data while still underground. This allows instructions to be issued sooner, helping development continue according to the shift plan and reducing the risk of costly off-line development.



Maintain ore delivery

When unexpected material is identified at the stope brow, delays in classifying the material can interrupt loading, reduce truck movements and affect ROM delivery.

Studio Mapper gives geologists access to stope designs, block models and drillhole data at the point of inspection. This allows material to be classified more quickly and directed to the appropriate destination, supporting uninterrupted loading and more reliable ore delivery.

Whether mapping underground development, capturing geological and geotechnical data, or supporting faster ore control decisions, Studio Mapper streamlines field data collection and keeps geological information connected from the face to the resource model.

CONTACT US



www.dataminesoftware.com



Submit a request