Live | Geospatial & 3D

GeoTwin 3D

See the Unseen. Mine the Unknown.

Web Application | AMW Mining & Allied Services | amwmining.in

GeoTwin 3D creates a digital twin of your mine terrain — integrating topographic surveys, geological data, groundwater models, and environmental impact zones into an interactive 3D visualization platform.

The Challenge

Mining geologists and planners work with 2D maps, disconnected datasets, and static reports — making it difficult to visualize subsurface conditions or assess environmental impact holistically.

Our Solution

GeoTwin 3D transforms flat data into an immersive 3D digital twin of your mine, enabling better decisions through spatial intelligence.

Key Features

Purpose-built capabilities for the mining industry

3D Terrain Mapping

Interactive 3D terrain models from survey data, LiDAR scans, and drone photogrammetry.

Groundwater Modeling

Aquifer mapping, water table visualization, dewatering impact assessment, and flow simulation.

Environmental Impact

Visualize buffer zones, catchment areas, vegetation cover change, and progressive rehabilitation.

Geological Overlay

Overlay seam data, fault lines, borehole logs, and mineral grade distribution on the 3D terrain.

Measurement Tools

Distance, area, volume, slope angle, and contour generation directly on the 3D model.

Export and Sharing

Generate fly-through videos, export 3D models, share interactive web links with stakeholders.

Impact & Results

Measurable outcomes from real mining operations

10x
Faster site assessment

360
Spatial understanding

Real-time
Data integration

Stakeholder
Ready visualizations

Ideal For

- Mine planning teams
- Environmental consultants
- Geological surveys
- Project presentations to investors

Ready to Transform Your Mining Operations?

Contact us for a live demo and see how GeoTwin 3D can work for your mine.

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