

Mine Digital Twin Platform

Your Mine, in the Cloud.

 Web Platform  AMW Mining & Allied Services  amwmining.in

The Mine Digital Twin Platform creates a comprehensive virtual replica of your entire mine operation — integrating real-time IoT data, GIS mapping, production metrics, and predictive analytics into one immersive 3D command center.

The Challenge

Mining operations generate massive amounts of data from sensors, machines, and manual inputs — but it is fragmented across systems, making holistic analysis and predictive decision-making nearly impossible.

Our Solution

The Mine Digital Twin unifies every data stream into a single living model of your mine, enabling AI-powered insights and real-time operational intelligence.

Key Features

Purpose-built capabilities for the mining industry



Real-Time 3D Model

Live-updating 3D visualization of the entire mine — pit geometry, equipment positions, and production zones.



IoT Data Integration

Connect sensors, machines, weather stations, and environmental monitors into the digital twin.



Production Analytics

Real-time production dashboards with drill-down by face, bench, equipment, shift, and material type.



Predictive Analytics

AI-powered predictions for equipment failure, production bottlenecks, and environmental exceedances.



Scenario Simulation

What-if modeling for mine planning — test different extraction sequences, equipment mixes, and expansion plans.



Executive Dashboard

High-level KPI view for management — production vs. target, cost trends, safety scores, compliance status.



Impact & Results

Measurable outcomes from real mining operations

360

Operational visibility

AI-powered

Predictive decisions

Unified

Data integration

Real-time

Mine intelligence

Ideal For

- ✓ Large mining enterprises
- ✓ Multi-site operations
- ✓ Investor reporting
- ✓ Strategic mine planning

**Ready to Transform Your Mining
Operations?**

Contact us for a live demo and see how Mine Digital Twin Platform can work for your mine.



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