STELMOVE

Built for Mining.
Designed for Heavy Equipment.
Powered by Intelligence.

Intelligent Fleet & Heavy Equipment
Management for Mining Operations



FLEET VISIBILITY

PRODUCTION INTELLIGENCE

SAFETY MONITORING

VIDEO AI ANALYTICS

OPERATIONAL CONTROL

MOVE SMARTER. GO FURTHER.

STELMOVE

Mining Operations Need More Than Vehicle Tracking

Mining fleet operations require more than knowing where each vehicle is located. Operations teams need visibility into unit activity, production cycles, driver safety, equipment condition, route compliance, load condition, and fleet performance — all in real time. **Stelmove** brings these capabilities together in one integrated platform.



Common Challenges in Mining Operations

- Limited visibility of fleet activity
- Difficult cycle and ritase validation
- Delayed awareness of breakdown and standby
- Driver safety risks
- Fragmented telemetry and video systems
- Manual reporting and data consolidation

Stelmove helps mining operations:

- **Real-Time Visibility**
- **Production Intelligence**
- **Driver Safety Monitoring**
- **Operational Control**
- **Unified Data & Reporting**

One Platform for Connected Mining Operations

Vehicles. Drivers. Telematics. Video. AI. Operations. Analytics.

STELMOVE

One Platform. One Operational View.

Stelmove connects multiple sources of operational data into a single mining fleet intelligence platform.



- Command Center
- Analytics
- Alert Center
- KPI & Reporting
- API & Integration

STELMOVE CLOUD PLATFORM

Stelmove Core

- Master Data
- Equipment Management
- Driver Management
- Shift Management
- Business Rules
- Assignment
- Audit Trail
- Access Control



Stelmove Telematics

- GPS Tracking
- Vehicle Telemetry
- Geofence & Route
- Speed & Ignition
- Device Monitoring
- FMC650 Integration
- CAN / FMS Data



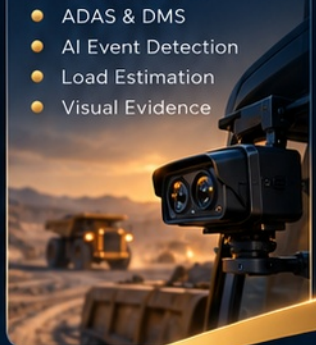
Stelmove Driver App

- Driver Login
- Attendance
- Assignment
- Shift Information
- Location Validation
- Operational Workflow



Stelmove MDVR & Video AI

- Live Video
- Video Playback
- ADAS & DMS
- AI Event Detection
- Load Estimation
- Visual Evidence



Heavy Equipment | Dump Trucks | Excavators | Mining Fleet

STELMOVE

From Vehicle Tracking to Production Intelligence.

Stelmove goes beyond fleet tracking by understanding how mining units operate throughout the production cycle.



Real-Time Fleet Tracking
KNOW WHERE EVERY UNIT IS

Mining Cycle Monitoring
TRACK EVERY STAGE OF PRODUCTION

Ritase Monitoring
MONITOR ACTUAL VS TARGET RITASE

Geofence & Route Monitoring
ENSURE UNITS STAY ON APPROVED ROUTES

Delay & Standby Detection
IDENTIFY AND REDUCE IDLE TIME

Equipment Utilization
MAXIMIZE PRODUCTIVITY

Production Visibility
TURN FLEET DATA INTO PRODUCTION INSIGHTS





MOVE SMARTER. GO FURTHER.

INTELLIGENT FLEET & PRODUCTION MANAGEMENT FOR MINING OPERATIONS.

STELMOVE

SMART FLEET
STRONGER BUSINESS
A CLEANER TOMORROW

See More. Detect Earlier. Operate Safer.

Stelmove combines telematics and video intelligence to provide a more complete understanding of driver behavior and operational safety.



ADAS
ADVANCED DRIVER ASSISTANCE SYSTEMS

- Forward collision warning
- Lane departure alert
- Headway monitoring
- Real-time risk detection
- Reduces on-road incidents

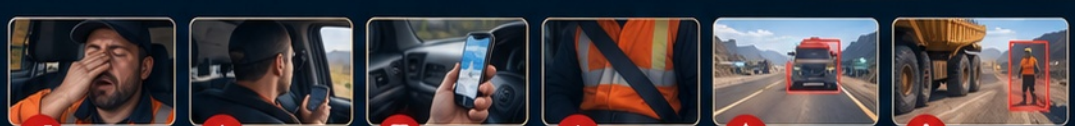
DMS
DRIVER MONITORING SYSTEM

- Detects fatigue and drowsiness
- Identifies distraction and inattention
- Phone usage detection
- No seatbelt alert
- Promotes safer driving behavior

MDVR & VIDEO AI
MULTI-CHANNEL VIDEO RECORDING & INTELLIGENCE

- Multi-camera HD recording
- AI-powered event detection
- Load monitoring and haul cycle visibility
- 360° operational coverage
- Unified platform with telematics data

COMMON DETECTED EVENTS



Contextual Safety Intelligence

Every event is connected with **Driver** + **Unit** + **Location** + **Time** + **Speed** + **Video Evidence**.

STELMOVE

AI-Powered Dump Truck Load Estimation

Transform Visual Load Conditions Into Operational Intelligence

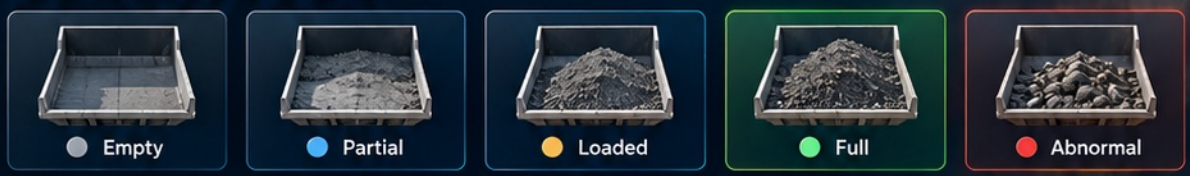
Stelmove Video AI analyzes dump-truck load conditions using computer vision to estimate load fill percentage and operational load.



Load Analysis Result

Estimated Fill Level	Estimated Volume	Dump Body Capacity
80%	≈ 16 m³	20 m³

Load Condition Classification



How It Works

Dump Truck Camera → Video / Image Analysis → AI Load Detection → Load Percentage Estimation → Configured Dump Body Capacity → Estimated Operational Load

Operational Benefits

- Detect Underloading
- Improve Loading Consistency
- Support Production Monitoring
- Provide Visual Evidence
- Improve Loading Efficiency
- Reduce Manual Observation

Stelmove's load estimation is for operational intelligence purposes only and does not replace certified weighing systems.

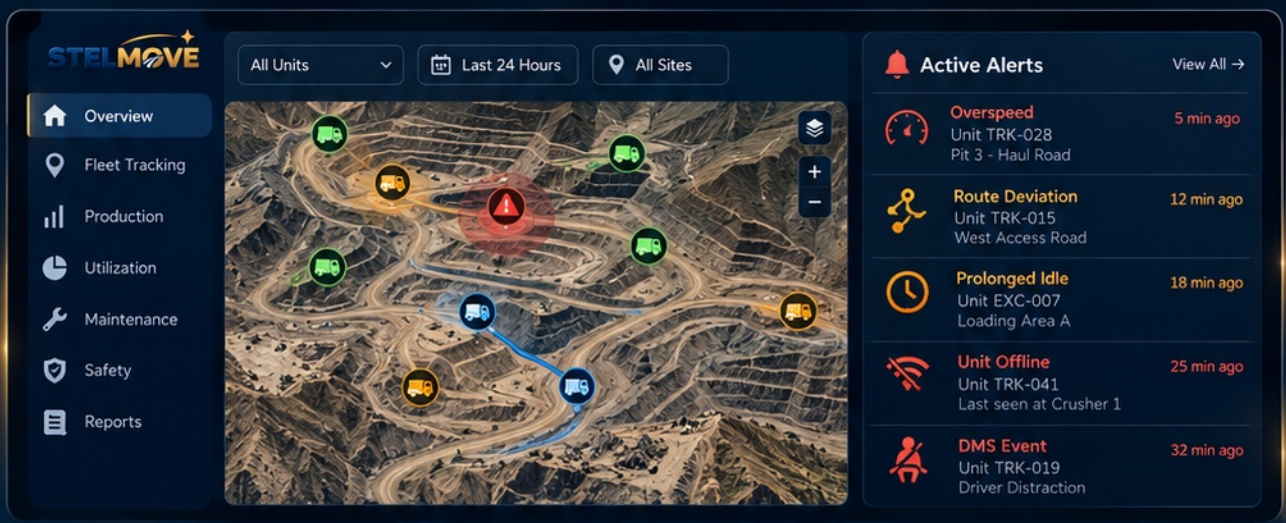
STELMOVE

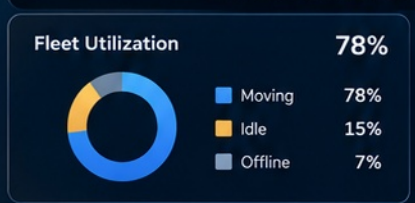
Turn Fleet Data Into Operational Decisions

Stelmove transforms operational data into actionable fleet intelligence.



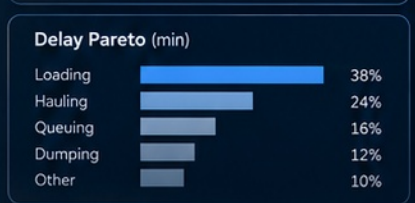
Total Units	Active Units	Utilization	Daily Production
128	96	78%	12,480 ton















For Every Operational Level

Dispatcher
Real-time visibility and faster response

Supervisor
Monitor productivity and unit performance

HSE
Identify risks and improve safety

Maintenance
Plan faster with actual equipment data

Management
Make data-driven decisions with confidence

MOVE SMARTER. GO FURTHER.

STELMOVE

One Mining Fleet. One Intelligent Platform.

Stelmove brings together the operational capabilities required to manage modern mining fleets.



Visibility

Know where every unit is and what it is doing.

Productivity

Monitor cycle, ritase, utilization, loading, and operational performance.

Safety

Combine telematics, ADAS, DMS, and Video AI.

Intelligence

Turn vehicle, driver, video, and operational data into actionable insight.

Request a Demo →

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