

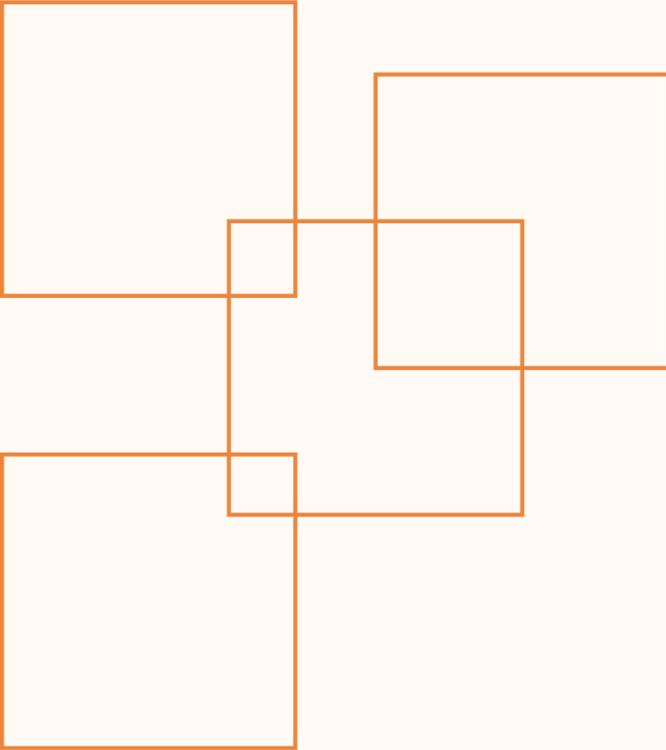


MININGPRO

A COMPLETE MINING INTELLIGENCE

Transforming Mining & HEMM Operations through Digitalisation





WHO ARE WE?

Softweb Technologies Pvt. Ltd. is a professional IT consulting and solutions provider.

- We began our journey in 2000.
 - Today, we are a leading solution provider for industries such as agro-plantation, jute-textile-garments, manufacturing, retail, mining, logistics, and more – both in India and abroad.
 - We specialize in IT Consulting, System Integration, and Mission-Critical Solution Development, helping businesses of all sizes undergo digital transformation.
- 



OUR VISION

Our vision is to be a technology leader in the IT solutions space while providing value to all our stakeholders.



OUR MISSION

Our mission is to equip our customers with high-end IT solutions, shielding them from all ongoing and potential challenges, thereby facilitating an edge over their competitors. We strive to provide innovative solutions to complex problems. Using our expertise in IT Consulting, System Integration, and Mission Critical Solution Development, we aim to accelerate a digital transformation in organizations of all sizes.



CORE VALUES

- S**incerity in our work and attitude
- O**bsession with customer satisfaction and success
- F**inding solutions for complex problems
- T**rust and respect for all stakeholders
- W**orld leader in technological innovation
- E**mployee development, empowerment & work satisfaction
- B**ringing shareholder Value

PIT-TO-PORT | MINE-TO-MILL OPTIMIZATION

Redefining Mining through an **intelligent digital ecosystem**
powered by **IoT, AI & Automation**

CHALLENGES IN MINING OPERATIONS



PRODUCTION DELAYS



PRODUCTIVITY LOSS



LEAD DISTANCE GAP



HIGH SUPERVISORY COST



UNRELIABLE DATA



DELAYED DECISIONS



FUEL (HSD) WASTAGE



NO INDIVIDUAL ACCOUNTABILITY



PLANNING DEVIATION



NO HISTORICAL PROOF



STRUGGLING WITH THESE CHALLENGES?
If Yes! Then **MiningPro** has got you covered!

PROPOSED SOLUTIONS (ADDRESSING AGENCY'S NEEDS)



**INCREASE
PRODUCTION
HOURS**



**INCREASE
HOURLY
PRODUCTIVITY**



**LEAD
MONITORING**



**HSD
MONITORING**



**KPI OF
OPERATIONAL
MANPOWER**



**REDUCE
SUPERVISORY
MANPOWER**



**AUTHENTIC
DIGITAL DATA**



**REAL-TIME
DASHBOARD**



**WORKING VS
NON-WORKIN
ZONE CONTROL**



**HISTORICAL
DATA & PROOF**



MININGPRO SOLUTION (ADDRESSING AGENCY'S NEEDS)

INCREASE PRODUCTION HOURS

- Reduce delays in handovers, blasting, breaks, and breakdowns
- Add even 1 extra production hour/day

IMPACT : Even a loss of just 1 productive hour per day significantly increases the cost of excavation and reduces operational efficiency.

INCREASE HOURLY PRODUCTIVITY

- Real-time trip monitoring for every operator and drivers
- Man-to-man productivity tracking

IMPACT : Boosts operator efficiency and trip per hour.

LEAD MONITORING

- Capture the actual lead distance of each trip
- Register leads automatically in system logs

IMPACT : Eliminates disputes and improves cost control.

HSD MONITORING

- Monitor HSD utilization of each vehicle
- Generate systematic consumption records

IMPACT : Detect misuse and optimize fuel refuelling.

KPI OF OPERATIONAL MANPOWER

- Record KPIs for Drivers, Operators and Supervisors
- Encourage good performers; identify poor performers and train

IMPACT : Motivates workforce and ensures accountability.



MININGPRO SOLUTION (ADDRESSING AGENCY'S NEEDS)

REDUCE SUPERVISORY MANPOWER

- Auto-capture trip data → no need for manual head trip counters (HTCs)
- Eliminate dependency on manual interference, thus reducing manpower cost

IMPACT : Significant reduction in overhead costs.

AUTHENTIC DIGITAL DATA

- All data captured automatically and stored digitally
- No dependency on manual entries

IMPACT : Misreporting eliminated; ensure reliable and error-free data.

WORKING VS NON-WORKING ZONE CONTROL

- Define zones digitally in system
- Raise alarms if equipment is working beyond assigned zone

IMPACT : Prevents planning deviation; enforces compliance.

REAL-TIME DASHBOARD

- Live monitoring available for site in Control and Command Centres
- Automated alert & alarms
- Data-driven decision making
- Timely issue identification & resolution
- Remote decisions taken instantly

IMPACT : Eliminates disputes and improves cost control.

HISTORICAL DATA & PROOF

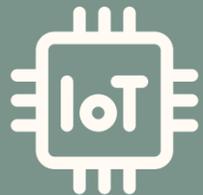
- All operations archived in the cloud
- Historical analysis of any shift/day/month possible

IMPACT : Provides proof for audits, disputes, and performance analysis.



HOW IT WORKS

1



IOT DEVICE INSTALLATION

- Each equipment fitted with necessary IoT devices

2



REAL-TIME DATA CAPTURE

- Trips, HSD, downtime, lead, KPI, zone, pay-load, compliance captured automatically

3



CLOUD PROCESSING

- Operational data is transmitted instantly to secured cloud servers
- Advanced cloud-based algorithms process the information to generate MIS reports, KPI dashboard & actionable analytics

4



DATA VISUALIZATION

- Control & command centres dashboard shows live operational data
- Zone compliance and production status are updated and reflected in real time

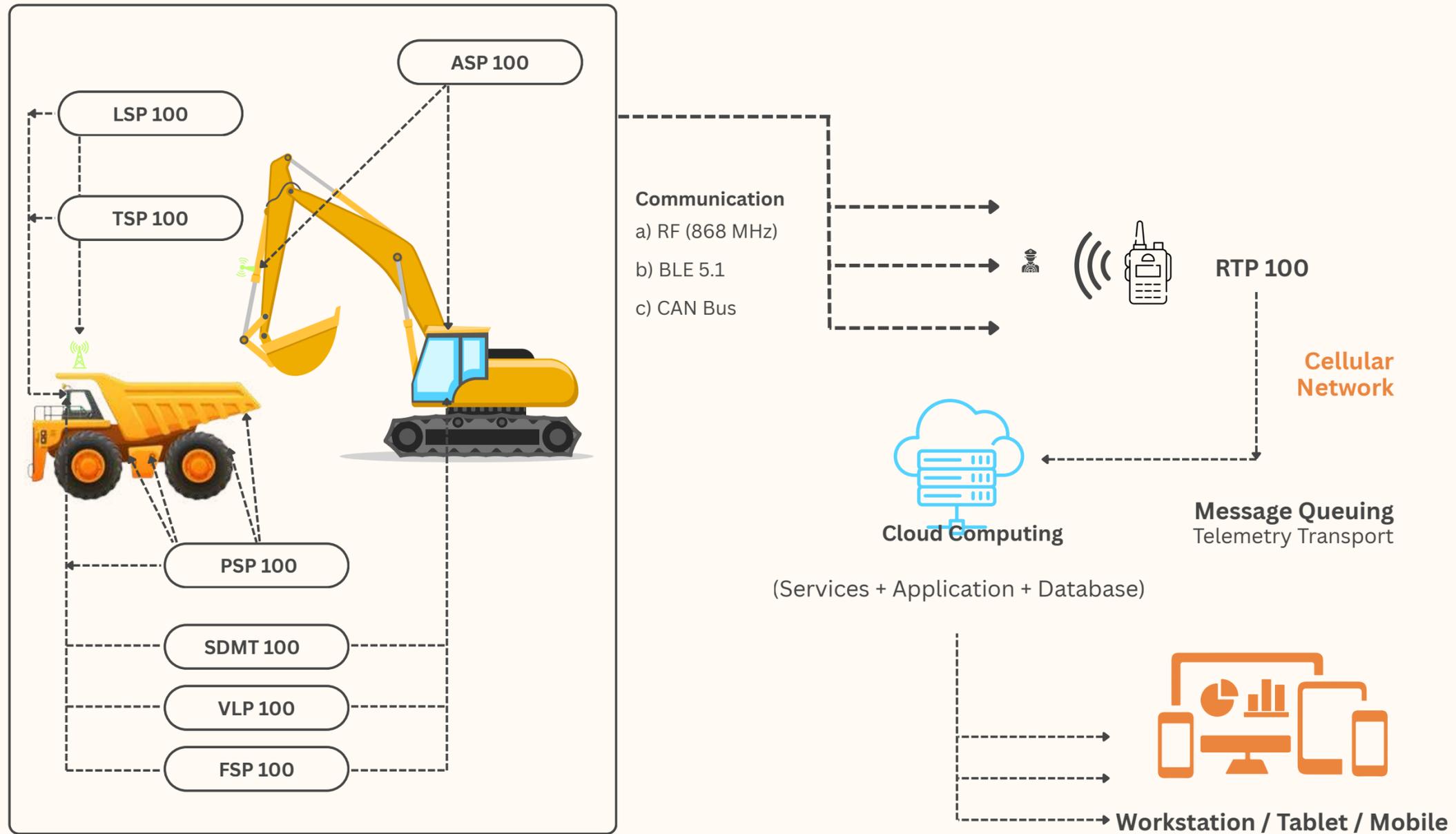
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HISTORICAL RECORDS

- All events stored for future access
- Managers can review past activities, analyze performance trends and validate operational events

HOW IT WORKS



IMPACT & BENEFITS

OPERATIONAL GAINS

- Higher Production Hours
- Increase Productivity of Operator & Machine
- Reduced downtime with predictive insights
- Compliance with production plans
- Provide real-time visibility, enabling faster decision & proactive control
- Enables accountability, audit readiness & long-term learning from past operations

COST SAVINGS

- Cost of operations saved per hr/day
- Reduced supervisory manpower requirement
- Eliminate fuel wastage
- Losses due to misreporting is eliminated

MANAGEMENT ADVANTAGES

- Real-time dashboard for instant decisions
- Historical/ Statistical data as proof for audits & disputes
- Accurate data for strategic planning
- Motivated workforce through KPI-driven culture.



IMPACT & BENEFITS

PRODUCTIVITY ENHANCEMENT

- Real Time Data Availability
- AI Driven Truck Allotment System
- Automated Trip Counting
- Lead & Lift Monitoring
- Hourly Production Monitoring
- Breakdown Alerts & Tracking
- Trip Cycle Time Monitoring
- Hands Free In-Cabin Communication
- Driver & Operator Performance Monitoring
- Loading Pattern Analysis (Front/ Back)
- Average Scoop Count @Trip



IMPACT & BENEFITS

SAFETY & SECURITY

- Medical Emergency Alert
- In-Cabin Temperature
- RH & Smoke Alerts
- Over Speed, Harsh Turn
- Harsh Break Monitoring Alarms

ADD-ONS

- Trip wise Payload Monitoring & Overload, Under load Alarm
- Tire Management
- Compliance Management



WHY MININGPRO?

**First time in India,
designed for
affordability**

**Eliminates manual
dependency &
misreporting**

**Real-time + Historical
Mining Intelligence**

**Scalable across fleets,
sites & contractors**

**Proven to increase production hours,
productivity & efficiency while reducing costs**



CONCLUSION

- MiningPro is a complete digital mining intelligence platform that transforms traditional mines into Smart Mines
- More production hours
- Better productivity
- Lower costs
- 100% authentic data
- Faster decisions
- Historical proof for every operation

MiningPro ensures complete alignment across machines, shifts, and operators – delivering maximum productivity, uncompromised safety, and sustainable growth for every mining operation.



THANK YOU!

