

MINING CONSULTING | MINING 4.0

Sustainable Mining Through Digital Innovation



**Mining Consulting with Digital Transformation
and Automation**

MiningPro Trans**MINEX**

PACE360

INTEGRATED OFFERINGS ACROSS THE MINING VALUE CHAIN



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1. Operational Intelligence (OI) & AI-ML Engine

- Design and validate performance KPIs using mining industry standards.
- Provide historical operational data for AI/ML model training.
- Offer change management and workforce training for tech adoption.
- Integrate dashboarding with strategic reporting and board-level insights.

2. Operator Independent Truck Dispatch System (OITDS)

- Mine logistics planning and optimization based on resource distribution.
- Audit and validate system performance against global benchmarks.
- Provide cost-benefit analyses to justify capex investment.

3. Mining Operations Management

- Offer mine planning, resource modelling, and production scheduling.
- Conduct operational audits and SOP reviews.
- Supply skilled manpower through blue-collar upskilling services.
- Develop real-time dashboards for third-party performance reporting.

4. Load & Haul Management

- Analyse payload and equipment utilization data to improve mine economics.
- Benchmark productivity per machine/operator.
- Provide insights from prior project data for performance tuning.

5. Maintenance Management

- Predictive maintenance consulting using OEM data and industry benchmarks.
- Asset lifecycle planning and reliability-centered maintenance strategy.
- Conduct root cause failure analysis (RCFA) of frequent breakdowns.

6. Fuel Management

- Conduct fuel audits and efficiency improvement studies.
- Evaluate supply chain and storage loss issues.
- Offer cost optimization models around fuel procurement and usage.

7. Haulage Road Management

- Provide engineering designs for road layout, gradient control, and drainage.
- Conduct geotechnical studies for terrain suitability.
- Offer energy consumption and wear analysis for transport systems.

1. Transport Surveillance & Logistics

- Advise on multimodal transport strategies and hub planning.
- Provide auction support for logistics contracts.

SPECIALISED CONSULTATIONS

1. Techno-Economic Feasibility (TEF)

Convert MiningPro's digital outputs into inputs for investment decisions.

2. Auction & Bid Process Advisory

Assist in winning mining blocks and logistics contracts.

3. Digital Transformation Consulting

Tailor tech adoption roadmaps.

4. Training & Post-Training Monitoring

Continuous workforce capability improvement.

5. Project Management

Monitor implementation of MiningPro modules from planning to closure.

Driving Digital Transformation and Automation

Think Beyond ERP

Embrace Intelligent Automation with PACE360, MiningPro & TransMINEX

AI/ML

COMPUTER VISION

CLOUD

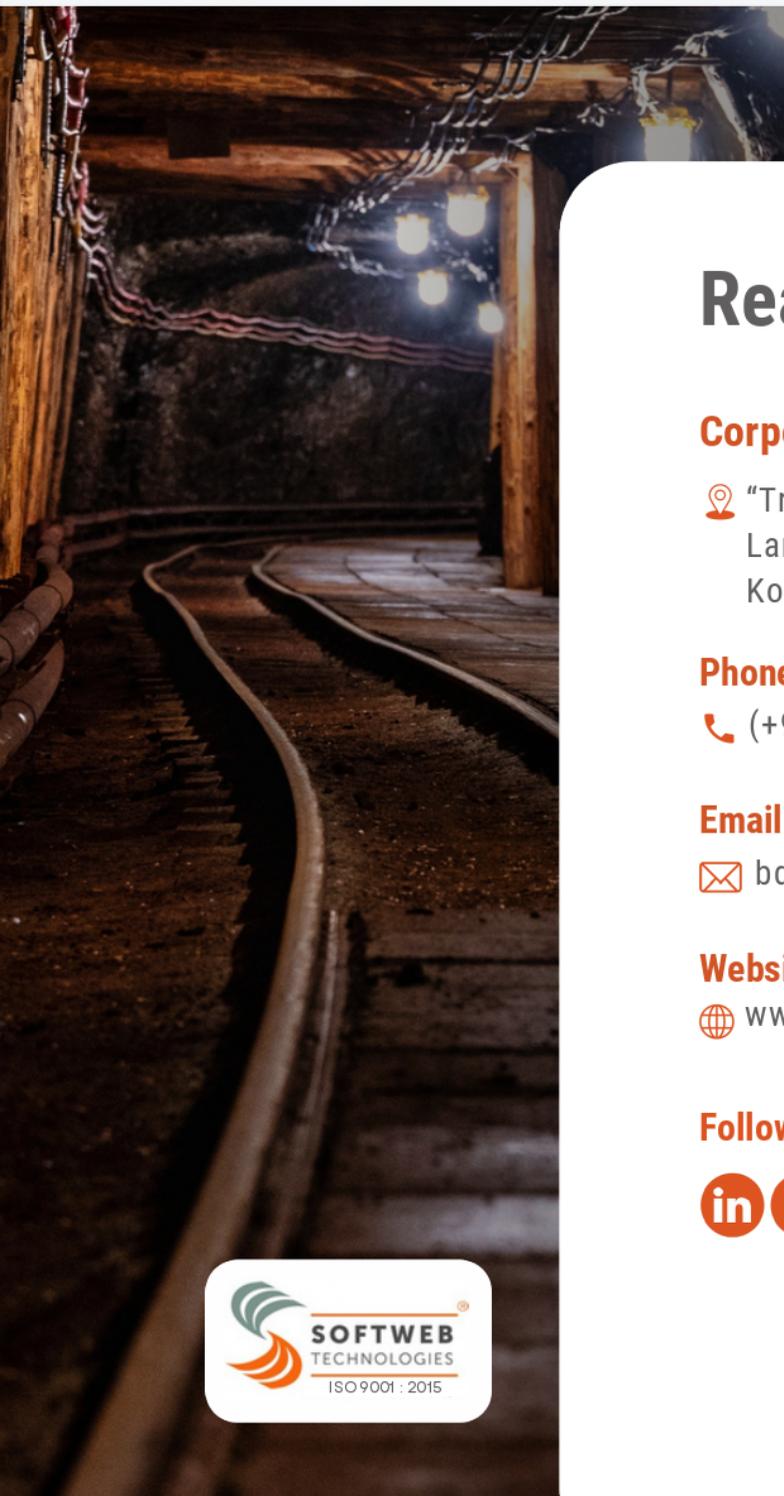
RTLS

RPA

ANALYTICS

IoT

Digital Twin



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