Rithmik
SOLUTIONS

ASSET PERFORMANCE ANALYZER
(AHA) DATASHEET

Cut through the noise
and get key insights that matter.

Advanced AI-Driven Productivity Optimizer

What is APA?

The Asset Performance Analyzer (APA) is an AI-driven productivity optimizer designed to enhance asset operating efficiency by reducing cycle time and payload variability. This results in significant haulage improvements and cost savings on a $/ton and litre/ton basis.

Key Benefits of APA:

- **Increased Efficiency:** Optimizes fuel burn by ensuring operation within the design envelope, ultimately decreasing greenhouse gas emissions.
- **Load Management:** Ensures payload system accuracy, reducing loading variability and achieving target payloads consistently.
- **Monitoring the Operating Environment:** Quickly identifies and suggests responses to environmental issues like poor road conditions and spill rock, ensuring smoother production cycles.
- **Operator Performance Monitoring:** Benchmarks operator performance across specific haul cycles and fleets, informing coaching and supervisor feedback.
- **Equipment Health Monitoring:** Tracks equipment health impacts on productivity at both the single equipment level and across equipment interactions.

Features:

- Inefficiency Identification: Detects inefficiencies, allowing mining operators to optimize fuel burn and decrease greenhouse gas emissions.
- Compatibility: Works with existing data collection systems and reporting platforms, requiring no additional screens or hardware.
- Versatility: Compatible with any brand of mining mobile equipment, without needing added sensors or hardware.
- Advanced Alarms: Provides earlier, more accurate alarms with no threshold-setting required.
- Performance Comparisons: Offers performance comparisons across equipment types, brands, models, and geographies.
- Behavioral Insights: Identifies operator behaviors causing equipment issues and instances where maintenance quality is significantly affected, from mechanics, parts, planning decisions are more.

Why APA Matters:

Factors like poor maintenance, suboptimal equipment use, and lack of real-time data analysis contribute to mining productivity losses. With APA, expect a 10-20% improvement in unitary production cost ($/ton hauled).

To learn more, **Drop us a line.**

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Rithmik APA™
Delivers results:

APA's Unique Advantages:

- Contextual Business Impact: Highlights how poor asset health, environmental, and operator-driven issues affect productivity.
- Comprehensive Issue Differentiation: Distinguishes between asset health, environmental, and operator-driven issues to optimize output.
- High-Fidelity Data: Rithmik's robust data cleansing models handle typically unusable data, providing accurate, high-fidelity insights that surpass competitors' low-frequency sample points.

The Next Step:

Identify and solve inefficiencies with APA. Utilize the insights provided to make informed decisions and enhance productivity.

Why High-Quality Data Matters:

High-quality data is crucial for generating accurate insights. Rithmik's solutions advanced data cleansing models process fractured and inconsistent temporal data or disconnected sources to generate the highest-quality data possible to draw insights from.

Vendor Agnostic:

Rithmik's APA is vendor and equipment-agnostic for input, and its output can integrate seamlessly with customer tools, ensuring flexible and comprehensive solutions.

Learn More and Schedule a Demo:

Explore how APA can transform your mining operations. Visit our website or schedule a demo today to see APA in action.

Contact Us:
For more information, visit https://rithmik.com/ or contact info@rithmik.com.

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