



Mining Case Study – Digital Operations Monitoring and Management Product Roadmap

About the Client

The client is a multinational mining company with a product portfolio spanning diamonds, copper, nickel, iron ore, and metallurgical and thermal coal mines across 6 continents. The company operates in Africa, Asia, Australia, Europe, North America, and South America. It uses innovative practices and the latest technologies to discover new resources and to mine, process, move and market its products to its customers – safely and sustainably.

Project Snapshot

Industry: Mining

IT Area: Data Analytics

Operational Area: Operations & Sustainability

Project Focus: Digital Product

Project Type: Digital Product Roadmap

Geography: Americas, Africa, Europe, APAC

Scope

The client was embarking upon a journey towards monitoring and managing its facilities by generating insights from the data collected. YASH Technologies was tasked with creating and implementing a compelling digital product vision to enable tracking and end-to-end management of its **Tailing Storage Facilities** across 150 locations globally.

Business Need

- An abundance of data collected through reviews and inspections of tailing storage facilities
- Tailing storage data not categorically exploited to identify operating improvements
- Need for monitoring and analyzing sensor-based data to generate actionable insights
- Establishing a single pane of glass view to connect data sources from multiple remote sites in near real-time
- The potential to explore data sources beyond client-generated data

Capabilities Leveraged

- Data & Analytics
- IoT and Microsoft
- Industry Transformation

Strategic Skillset

- Mining industry expertise
- Data Analytics
- IoT
- Microsoft
- Digital roadmap Implementation expertise



Solution Highlight

- Developed a business vision for Digital Tailing Storage Monitoring and Management Product
- Established use cases across operations, compliance, safety, and sustainability
- Designed solution architecture for the product aligned with the use cases
- Estimated the budget and benefits along with the timelines and roadmap for development

Execution Highlight

Prepared a product roadmap with extensive details and a business case within 5 weeks, along with budget estimates, bringing together the business vision, goals, and the industry landscape.



Business Benefits

- 128 use cases captured encompassing operations, compliance, safety, and sustainability
- Product roadmap calling out features and timelines for the implementation of the same
- Leveraging the client's social benefits framework to map and drive benefits for the overall product
- Budget estimates for MVP and the product for executive leadership approval
- Detailing and defining the skills needed to implement the product

For more information contact YASH today at BizNeXT@yash.com or visit www.yash.com

About YASH Technologies

YASH Technologies focuses on customer success. As a leading technology services and outsourcing partner for large and fast growing global customers, the company leverages technology and flexible business models to drive innovation and value throughout its customer's enterprise. YASH customer centric engagement and delivery framework integrates specialized domain and consulting capabilities with proprietary methodologies and solution offerings to provision application, infrastructure and end user focused Right-Sourcing services. YASH is a SEI CMMI (Level 5) and an ISO 9001:2015 certified company with U.S. and India headquarters and regional sales and development offices globally with customers spread across 6 continents.

Global Presence

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