

AI-DRIVEN VALUE CHAIN OPTIMISATION

TECHNOLOGY FORUM PERTH NOV 2025



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HARNESSING KNOWLEDGE IN THE GENERATIVE ECONOMY

The true differentiator becomes the quality of the knowledge and expertise you feed into the system.

Intellectual property becomes your most powerful currency.

The richer and more structured your knowledge base, the more intelligent and impactful your AI solutions will be.



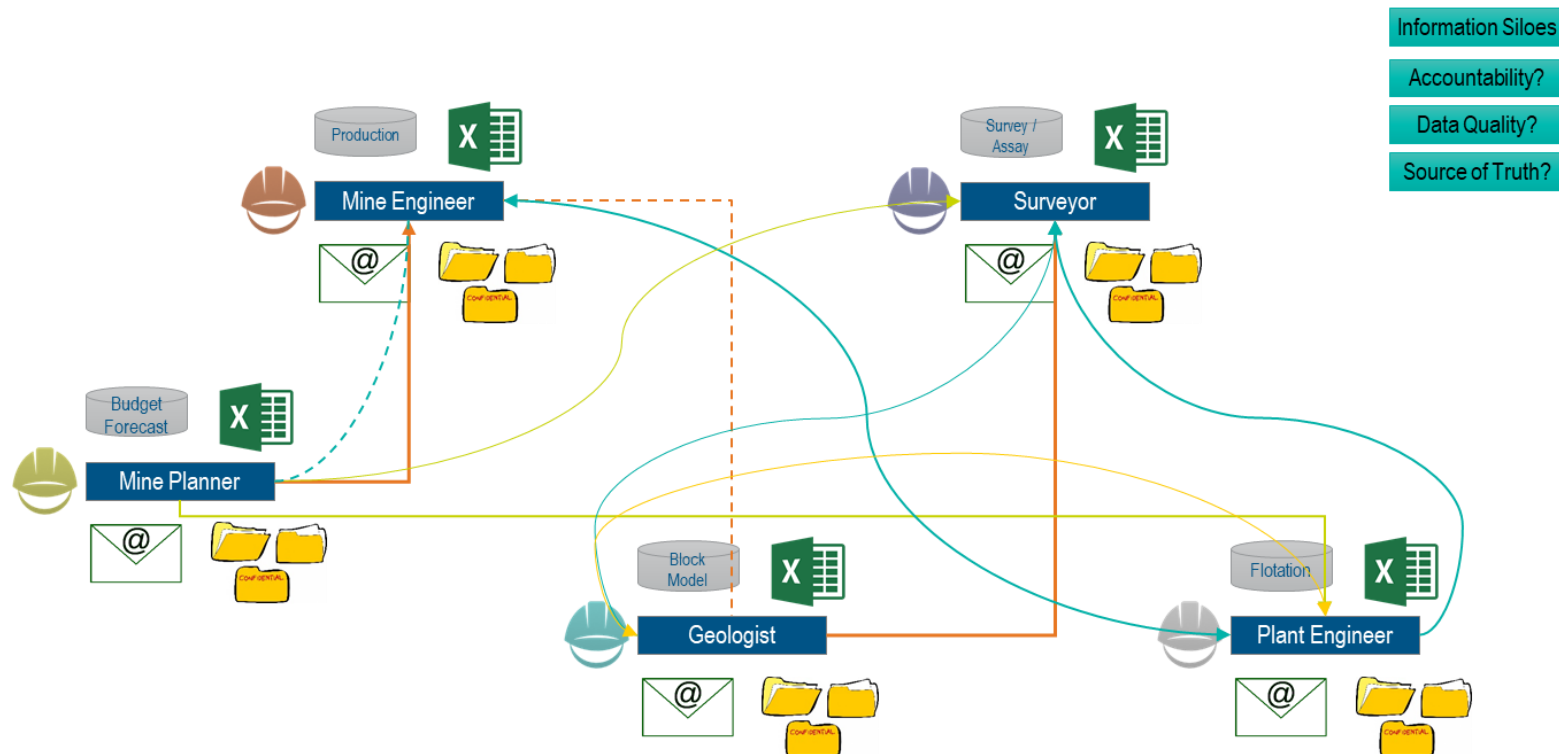
HARNESSING KNOWLEDGE IN THE GENERATIVE ECONOMY

Delivering efficiency, productivity, and optimized output while advancing responsible mining practices like waste reduction, resource circularity, and transparency.



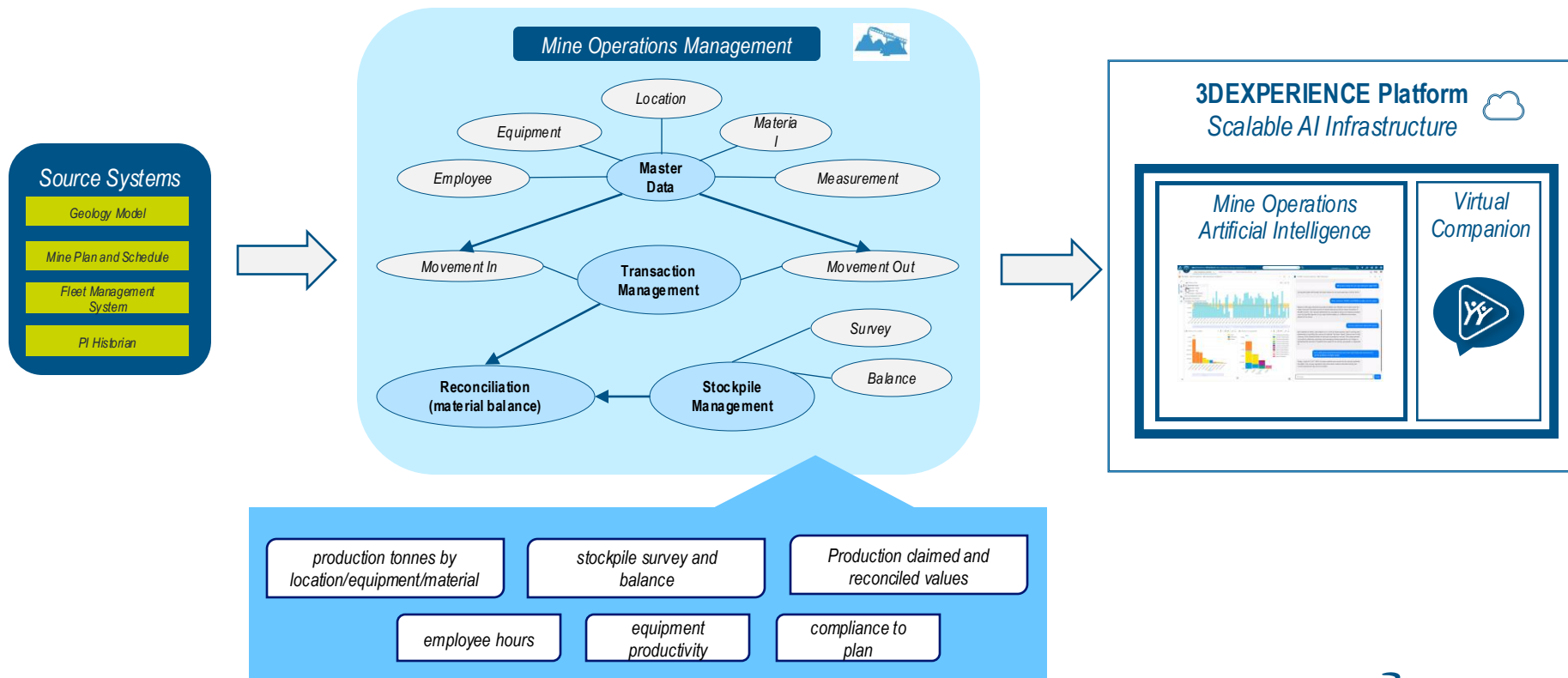
A DISCONNECTED MINE

A COMMON SCENARIO IN MINING OPERATIONS



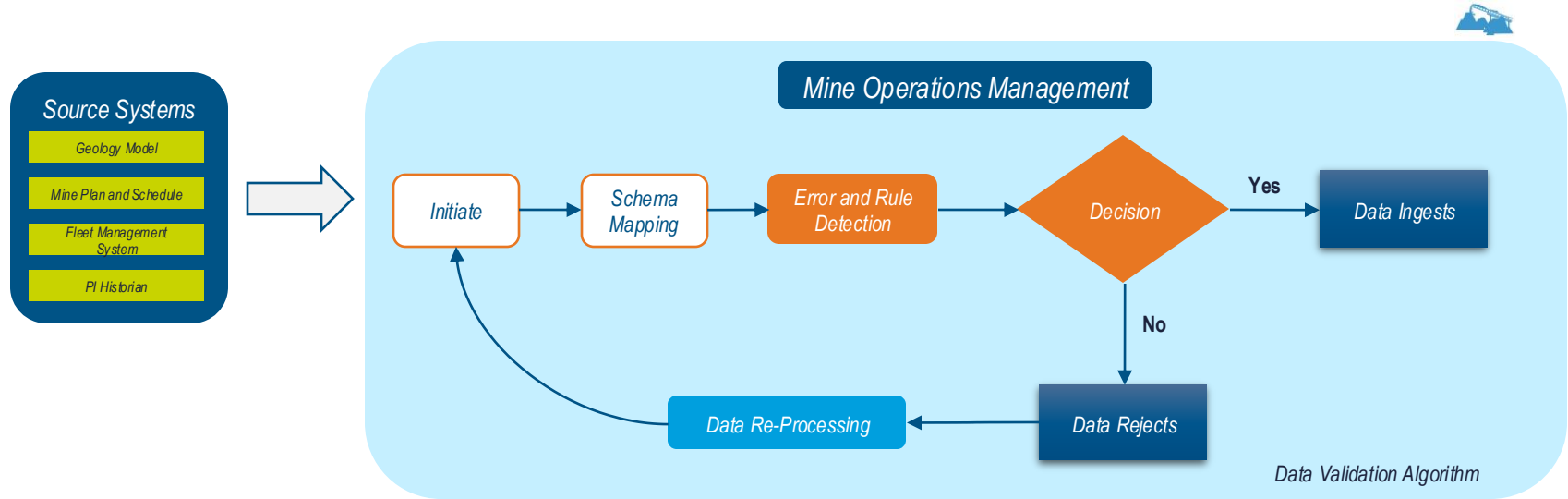
UNIFIED DATA PLATFORM

BREAKING DOWN INFORMATION SILOES



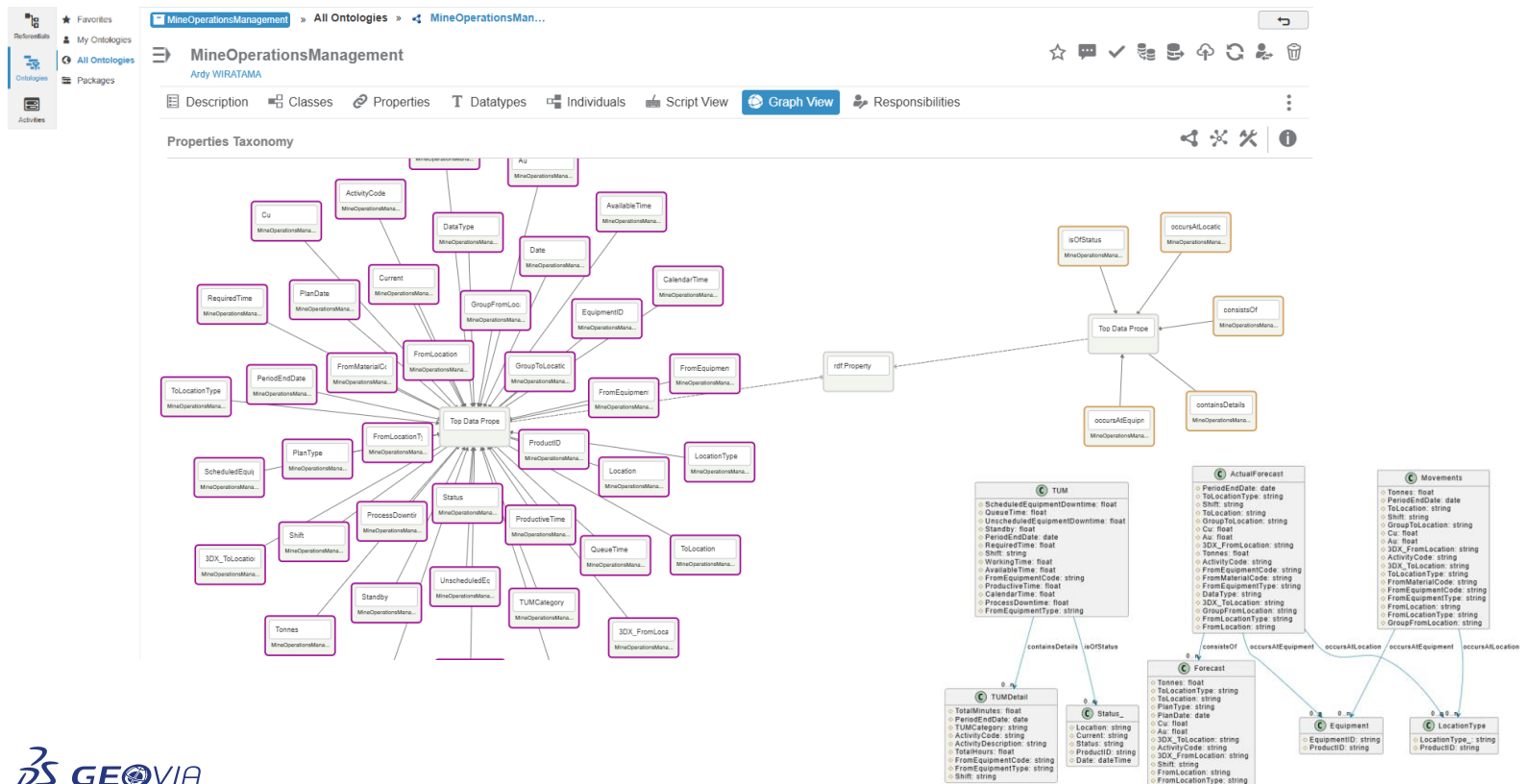
DATA VALIDATION

ENSURING HIGH-QUALITY DATA



ONTOLOGIES

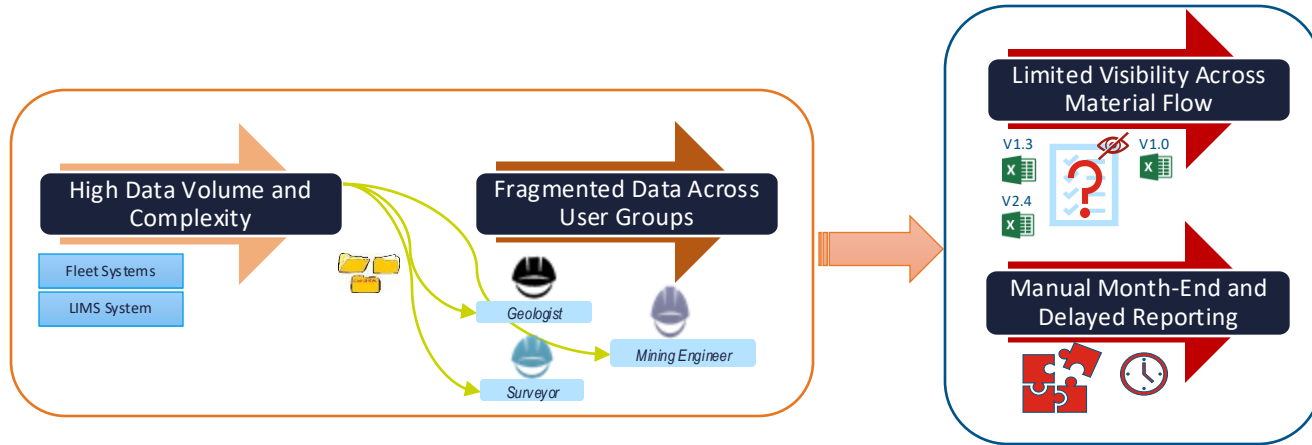
ORGANIZING INFORMATION FOR KNOWLEDGE REPRESENTATION



CLIENT CASE

BEFORE MINE OPERATIONS MANAGEMENT

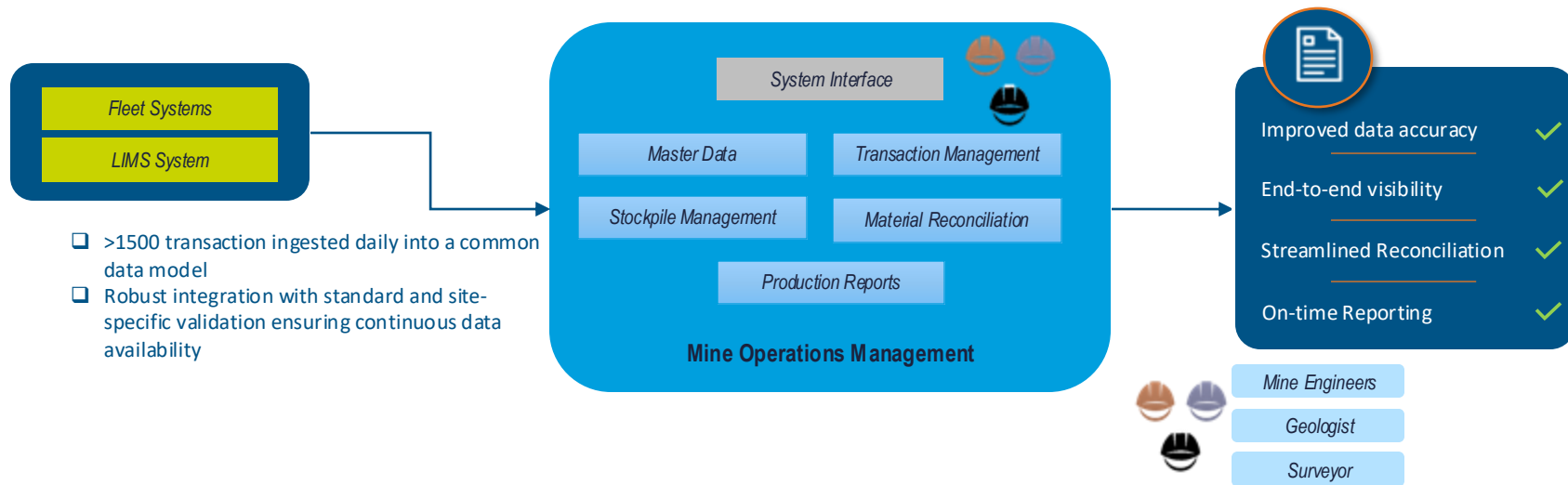
Customer Business Challenges



CLIENT CASE

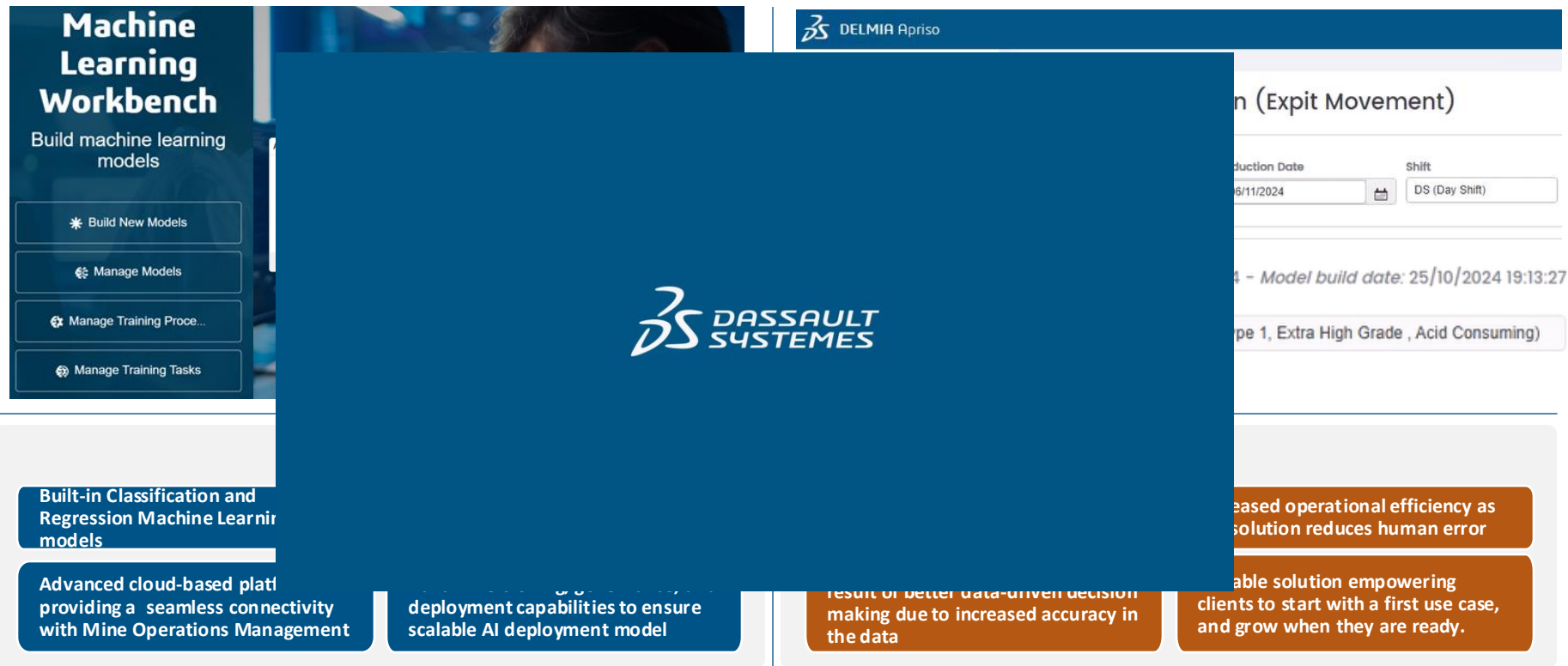
AFTER MINE OPERATIONS MANAGEMENT

Delivered Benefits



MINE OPERATIONS ARTIFICIAL INTELLIGENCE

USE CASE: MATERIAL CODE PREDICTION



Machine Learning Workbench
Build machine learning models

- Build New Models
- Manage Models
- Manage Training Processes
- Manage Training Tasks

DELMIA Apriso

DASSAULT SYSTEMES

Production Date: 6/11/2024 Shift: DS (Day Shift)

Model build date: 25/10/2024 19:13:27

Type 1, Extra High Grade, Acid Consuming

Built-in Classification and Regression Machine Learning models

Advanced cloud-based platform providing a seamless connectivity with Mine Operations Management

Deployment capabilities to ensure scalable AI deployment model

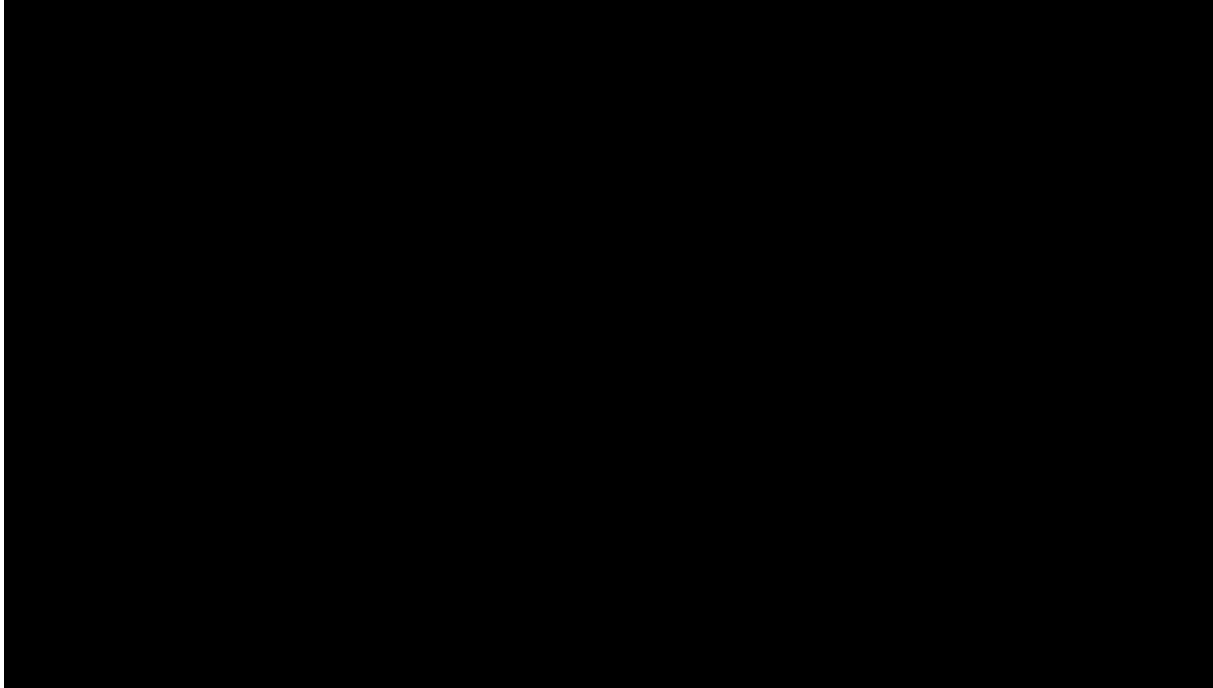
Result of better data-driven decision making due to increased accuracy in the data

Increased operational efficiency as solution reduces human error

Scalable solution empowering clients to start with a first use case, and grow when they are ready.

MINE OPERATIONS ASSISTANT

Introducing MOCHA, your Mine Operations Companion Hosted Assistant



SITE-LEVEL KNOWLEDGE TO STRATEGIC ADVANTAGE

DISCOVER MORE ON 3DS.COM



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