



SmartMine Analytics Accelerator

SmartMine helps natural resource firms harness the power of their data with industry tuned analytics, dashboards, and machine learning models

SMARTMINE OVERVIEW

The SmartMine Accelerator is a pilot analytics project designed specifically with the industry focus of Mining and Natural Resource. The end-to-end Modern Data Platform, SmartMine leverages the full power of the Azure and Microsoft Fabric suite of services including Data Engineering, Data Science, and Power BI.

4-6 WEEK ACCELERATOR OVERVIEW

SmartMine contains ready-made connectors to accelerate connecting to most of the common Mine Operations, Plant Operations, Health & Safety, HR, and Finance systems found in the mining industry. It consists of a mining operations data model that provides a 360 degree view of the operations contained within a flexible data lake repository. Insights are delivered through a collection of Operational Reporting, Management Reporting, and Executive Dashboards powered by Power BI. A library of predictive analytics models has been assembled to support predictive maintenance, plant optimization, recovery optimization, and proactive safety management scenarios.

SMARTMINE BUSINESS CASES



Unify operational data with financial data to have a single standardized view of mine performance

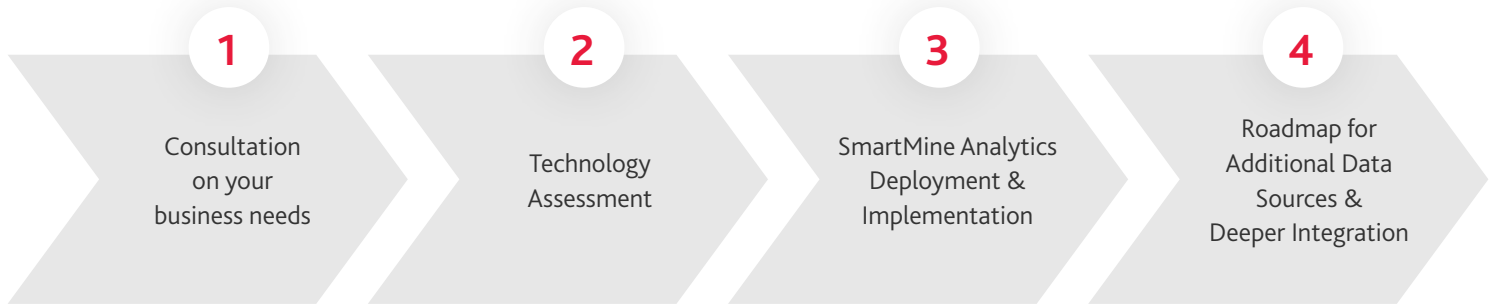


Unify truck sensor, dispatch, and work order data to identify and address the causes of mechanical breakdowns and reduce fuel consumption

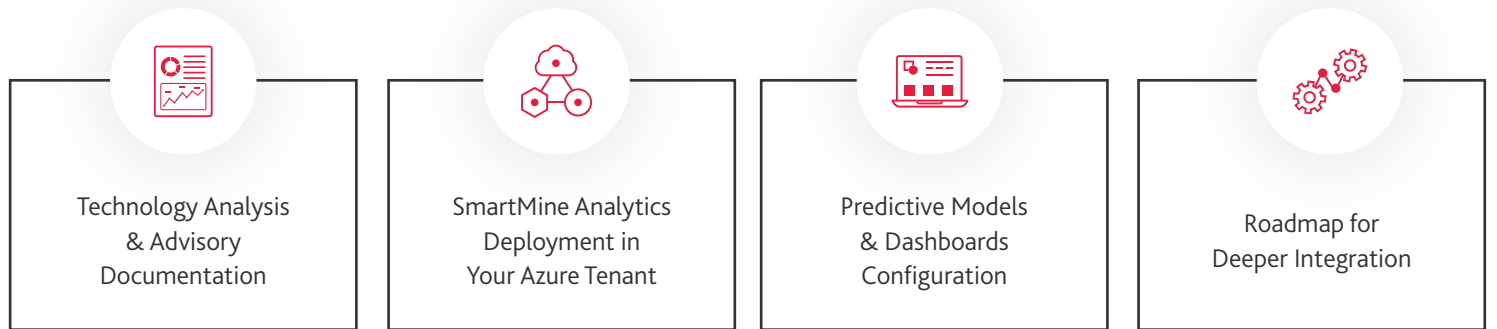


Unify crushing, grinding, and mill circuit to maximize throughput and recovery of the processing circuit

STEPS FOR A SUCCESSFUL ACCELERATOR



KEY DELIVERABLES



WHY CHOOSE BDO DIGITAL

We offer end-to-end technology advice to help businesses like yours experience the maximum value of partnership and innovation.

Our strategic focus across data management, analytics, and AI ensures your business gets the most out of your SmartMine investment. Drawing on our deep experience in complex data transformations, we adapt our approach the mining industry's unique needs, turning data into assets that drive smarter, faster decisions.

We look forward to learning more about your business and accelerating your technology journey.

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