

ClearDox for Metals and Mining

Accelerating operational efficiency with intelligent automation

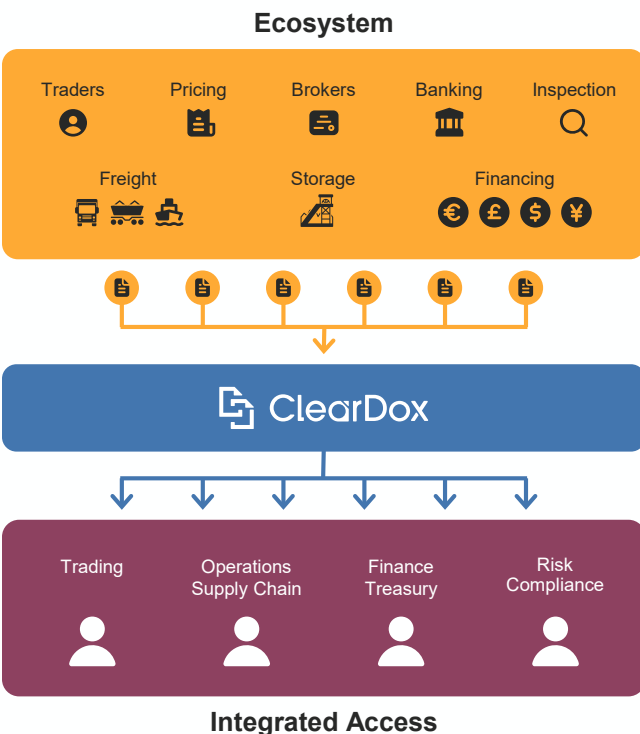
While digitization efforts across many facets of the mining business have been progressing – success has been limited with only a third achieving their expected benefits (McKinsey and Company). Many basic functions remain heavily manual; leading to far higher risk and cost. In addition, valuable data and insights across the business interactions are not being captured and utilized. Lastly, adoption of artificial intelligence (AI) is accelerating, but skills and an understanding how best to apply is building as a challenge.

For organizations across the mining ecosystem, intelligently automating the error-prone, labor intensive processes across trading, finance, operations, and the supply chain has moved to the forefront of importance. It begins with the need to digitize the myriad of documents (including invoices, assay reports, contracts, etc.) to unlock the data and make it truly actionable.

The manual approach used today in most organizations to capture this data prevents them from having the accurate, real-time insights they so vitally need to anticipate and support optimal decision making. According to McKinsey and Company, digitizing just one of these documents, the bill of lading, could save \$6.5 Billion. Application of AI is further unlocking opportunities that remained inaccessible with previous technologies.

Once digitized, broad automated reconciliation efforts including straight through processing, is achievable, freeing resources to focus on higher value activities, and faster response to the next challenge or opportunity. This is the core focus of ClearDox®.

“9 of 10 people [employees and business decision makers] with access to automation and AI-powered tools “feel more fulfilled because they can spend time on work that truly matters.”



Solving the document complexity challenge

Today’s challenge is how to digitize this broad mix of semi-structured and unstructured interactions, especially considering the diverse set of documents and trading partners involved.

Variety: Examples: Assay Reports, Freight Invoices, Contracts, BOLs, Letters of Credit, Supplier Invoices, Barge Invoices, Certificates

Types: Structured (Example: Excel tables), Semi-structured (Example: Purchase order), Unstructured (Example: Complex contracts, email, chat), Handwritten (Example: Delivery receipt), Aggregated (Example: Multiple inspections on one invoice)

Formats: Images, PDFs, HTML, TXT, XML, DOC, XLS, SHEETS, CSV

Enable strategic use cases

Accelerating Processing to Improve Supplier Relationships		Savings Add Up by Focusing on Reliable and Timely Inventory Movements	
Solution:	<ul style="list-style-type: none"> Digitization of receipt details Disaggregation of stacked statements Direct integration into CTRM 	Solution:	<ul style="list-style-type: none"> Digitization across inbound and outbound movements Automated invoice and inventory reconciliation Direct integration into CTRM
Value:	<ul style="list-style-type: none"> Digitized data resulting in faster payment and improved supplier relationships Reduced resourcing requirements during peak periods 	Value:	<ul style="list-style-type: none"> Enhanced billing and cash flow management Increased inventory accuracy, transparency Reduced shipping delays and added charges
Streamlining 3rd Party Invoice Processing		Global Trade Documentation	
Solution:	<ul style="list-style-type: none"> Digitization of 3rd-party invoices Disaggregation of stacked invoices Integration into CTRM/ERP 	Solution:	<ul style="list-style-type: none"> Digitization of all trade documents Automated matching, exception handling Integration into CTRM/ERP systems
Value:	<ul style="list-style-type: none"> Improved cost controls and business unit transparency Bolstered growth through back-office automation 	Value:	<ul style="list-style-type: none"> Reduced discounting due to document mismatch Greater transparency and cost management Resources reassigned to new business

ClearDox turnkey solutions

By combining its deep knowledge in the commodities space with its patent-pending multi-faceted AI approach, ClearDox can intelligently extract the appropriate data for processing and automate the reconciliation process at a scale unseen in the industry. Now organizations can reduce the issues brought on by manual processes, and scale efficiently through the ClearDox solution versus today's build-your-own approach.

Trading	Inventory/Transportation	Finance and Treasury	Invoices
Counterparty Confirmations Broker Statements	Bill of Lading Receipts/Tickets Drawdowns Movements Inventory Reconciliation	Letters of Credit Bank Remittance Renewable Credits Regulatory Filings	Freight Supplier Sales Inspections Assay Certificates

ClearDox platform capabilities

