Lithos AI

Feature-Only Product Snapshot

November 2025

"Two pages of exactly what users get."

Platform Pillars

- **Global Mining Intelligence Index:** Ingests filings from ASX, SEDAR, EDGAR, LSE, plus NI 43-101/JORC/SAMREC reports, ESG disclosures, drill logs, and offtake contracts within 15 minutes of publication.

- **Domain-Tuned LLM Fabric:** 1M+ document corpus powering retrieval-augmented copilots for resource extraction, red-flag monitoring, and memo drafting with cited references.

- **Workflow Automation Mesh:** Event bus that pushes structured outputs into Excel, Snowflake, Slack, DealCloud, and custom APIs with approval controls and audit logging.

Tier Highlights

Sphere	Basic	Pro	Enterprise
Data Access	Watchlists, 15+ filters, inline filing viewer	AI-extracted metrics, historical deltas, bulk downloads	Firm-wide data warehouse sync, streaming updates
AI Features	Smart search, instant highlight reels	Diligence memos, anomaly detection, scenario packs	Custom copilots tied to internal knowledge bases
Automation	Manual exports (CSV, PDF)	One-click memo + model builders	Event-driven workflows into CRM/BI, role-based approvals
Governance	Single-user auth, email alerts	Shared workspaces, SSO, staging API keys	Full IAM, field-level permissions, audit trails, DLP hooks

Feature Inventory

A. Screening & Discovery

- Multi-factor screener with 100+ filters (jurisdiction, stage, grades, ESG flags, permitting status).

- Infinite-scroll grids with pinned columns, conditional formatting, and saved views per analyst.

- Global activity map with satellite overlays for infrastructure, port proximity, and jurisdiction risk.

- Real-time alerting (email, Slack) for filings, drill results, management changes, and price-sensitive news.

B. Project Deep Dives

- Auto-generated executive summary cards (NPV, IRR, payback, throughput) with provenance links.

- Tabbed view: Overview, Technical, Financial, Documents, ESG, AI Insights, Experts.

- Side-by-side comparison up to five projects with delta indicators, waterfall charts, and spider plots.

- Drill log viewer with structured intercepts, grade-thickness calculators, and lithology tagging.

C. AI Copilots

- Natural-language queries returning cited passages and structured tables.

- Multi-document synthesis for NI 43-101 bundles, ESG filings, and offtake contracts.

- Auto red-flag generator covering permitting risk, metallurgical concerns, capex overruns, and ESG controversies.

- Memo studio templates (investment briefs, board updates, lender memos) with firm branding.

D. Financial Modeling

- Mining-specific DCF blocks with commodity curves, recovery sliders, and Monte Carlo runs.

- Cost curve visualizations and benchmarking across regions, projects, or operators.

- Sensitivity lab enabling batch runs across grade, recovery, capex, FX, and discount rate assumptions.

- Excel/Sheets add-ins that refresh Lithos data with traceable formulas.

E. Collaboration & Governance

- Multi-user workspaces with assignments, comment threads, and @mentions.

- Version-controlled scenarios; ability to fork AI outputs for human edits with compare mode.

- Knowledge graph linking teams, experts, documents, and deal notes per project.

- Audit-ready logging (who read/exported what, AI prompts/responses, data lineage).

F. Automations & Integrations

- Out-of-the-box connectors for Slack, Teams, DealCloud, Salesforce, HubSpot, Snowflake, and REST APIs.

- Trigger builder: "If filing drops $\rightarrow$ run AI extraction $\rightarrow$ push memo to CRM $\rightarrow$ notify channel."

- Webhook subscriptions with retry logic, dead-letter queues, and schema versioning.

- Marketplace for logistics partners, consultants, and labs to plug structured updates back into Lithos.

G. Marketplace Extensions

- Geological Analysis Module with cross-sections, assay harmonization, and Competent Person-ready exports.

- Referral network for shipping, customs, and warehousing providers, including status tracking inside project timelines.

- Deal introduction workflows for explorers, mid-tier miners, and offtakers with configurable success fees.

Monitoring & Reliability

- 24/7 API monitoring, latency dashboards, and SLA alerts visible to customers.

- Data freshness badges denoting ingest timestamps and AI confidence intervals.

- Quality review queue with human override for critical metrics; customers can submit inline corrections.

Feature Delivery Roadmap (Snapshot)

- **Live:** Screener 2.0, AI memo studio, Monte Carlo engine, Slack/DealCloud pushes.

- **Coming in Q1 2026:** In-app geospatial change detection, Snowflake secure data share, automated ESG scoring.

- **Coming in Q2 2026:** Logistics marketplace SLA tracking, on-platform deal rooms, multi-lingual copilots (ES/FR/PT).

Lithos AI — Feature depth to collapse diligence, end-to-end.

Demo: lithosmain-git-main-anishkganeshs-projects.vercel.app/login