AI Asterion

ONE PLATFORM. INFINITE INTELLIGENCE.

AI Asterion | TradeIQ

Commodity Trade Desk for African Mining Deals

From first contact to settled cash — one governed desk for gold, gasoil, sulphur and manganese ore trades.

EXECUTIVE SUMMARY

TradeIQ is a live, production-grade commodity trade desk built for brokers and trade-house principals moving deals from first contact through structuring, pricing, settlement and audit.

- A 7-gate pipeline, derived automatically from deal data, tracks every deal from first contact to settled cash with a Control Tower view across the whole book.
- A pool-from-delta pricing engine enforces supplier net, buyer pays and pool margin on every save, with transport priced as a separate leg.
- Settlement follows a strict, server-enforced order — no action before the Quote gate clears, supplier paid first, release only once all legs are paid.
- Every commercial change writes to an immutable audit log, capturing before and after values, actor and timestamp.

WHAT TRADEIQ ENABLES

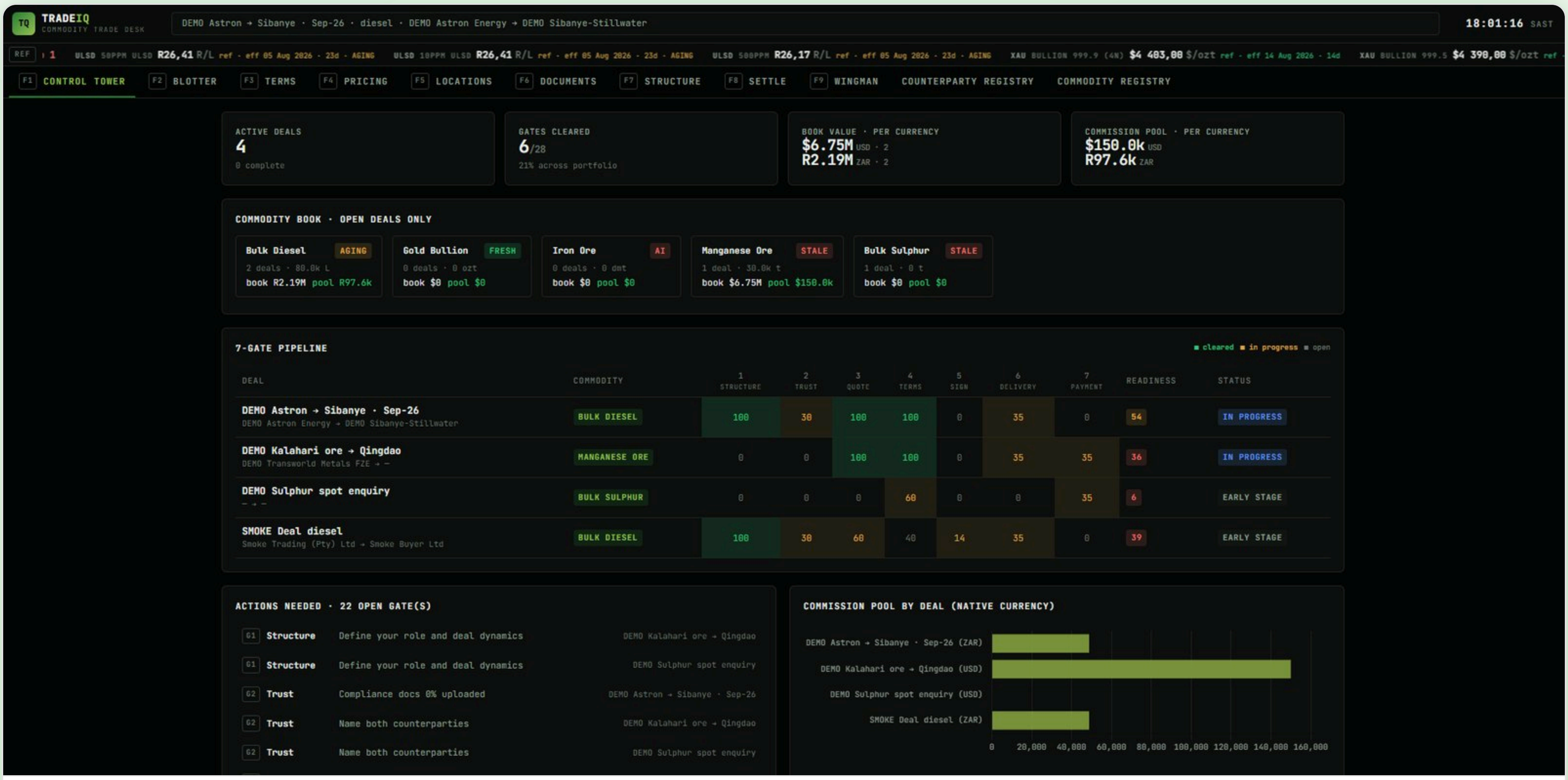
1. A single control tower across every open deal and commodity
2. Deal-to-cash pipeline governance, gate by gate
3. Pricing consistency between trader and server on every quote
4. Automated contract and document intelligence
5. Live, licence-clean market data with human-applied benchmarks
6. AI-assisted authoring of new commodities as data, not code

WHY IT MATTERS FOR AFRICAN MINING TRADE

- South Africa is the world's leading manganese ore producer, with African commodity flows demanding tight margin and settlement control
- Multi-currency, multi-commodity books need per-currency discipline, never blended totals
- Cross-border deals need audit-grade evidence for regulators, banks and counterparties
- Trade houses need a desk that keeps working even when other systems degrade

The Deal-to-Cash Pipeline

Every deal moves through seven gates, derived automatically from deal data and never manually ticked — giving a trade-house principal a live, provable picture of the entire book.



Control Tower — live 7-gate pipeline view

PIPELINE STAGE	WHAT IT CONFIRMS
1 First contact & structuring — Counterparty, commodity, indicative terms captured	→ Is this a real, workable deal?
2 Documentation — Contract and KYC documents analysed and gated per document	→ Are the terms and parties verified?
3 Pricing & quote — Benchmark, discounts and pool margin computed server-side	→ Is the price commercially sound?
4 Settlement — Supplier paid first, release only once all legs are paid	→ Is cash moving in the correct order?

GOVERNANCE CONTROL	BENEFIT TO THE DESK
5 Audit log on every change — Benchmark, discount, intermediary and settlement edits recorded with actor and timestamp	→ Can every figure be defended?
6 Server-authoritative engine — Client figures are for keystroke feedback only — the server recomputes on every save	→ Can the trader trust the number on screen?
7 Live market ticker — Free, licence-clean feeds propose prices; a human applies the benchmark	→ Is pricing current without losing control?
8 Commodity-as-data — Grades, zones and documents live in configuration, not code	→ Can a new market be added in days, not months?

Built for the Commodities That Move Africa

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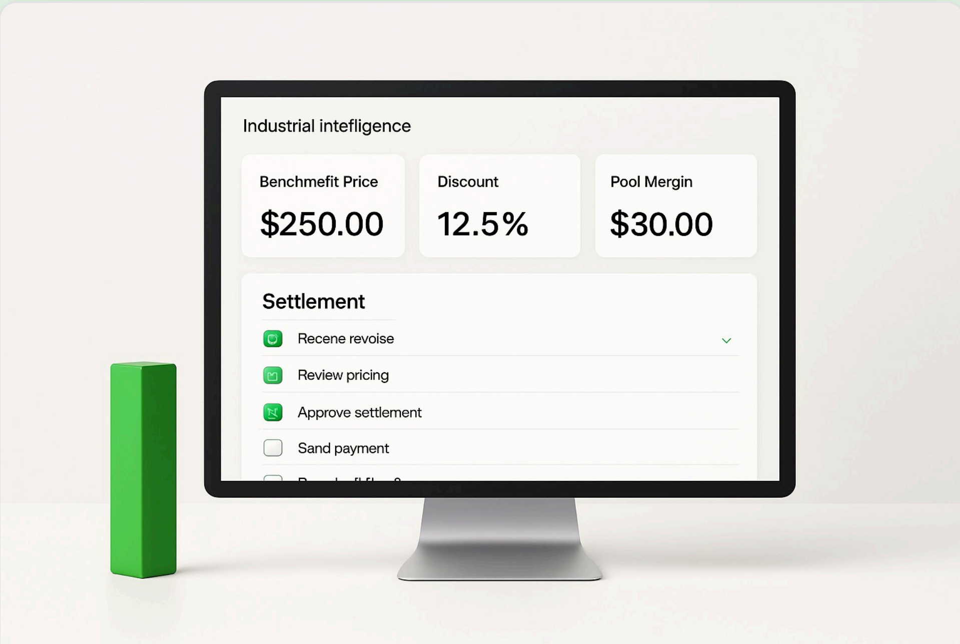
Pricing, Settlement
and Market Data

TradeIQ's core IP is a pool-from-delta pricing identity, applied consistently across gold, gasoil, sulphur and manganese ore — commodities central to South African and wider African export trade.

POOL-FROM-DELTA PRICING

Supplier nets benchmark minus supplier discount; buyer pays benchmark minus buyer discount; the pool is the difference between the two. Discounts can go negative to support premium markets, and transport is priced as its own leg.

- Golden-vector testing pins server and client calculations together, so the number a trader sees is never wrong.
- Portfolio KPIs are grouped strictly per currency — money is never summed across currencies.
- Free, licence-clean feeds cover exchange-benchmarked commodities like gold and gasoil, with a documented licensing path for physically-assessed commodities such as sulphur and manganese ore.
- The system warns when a fetched price proposal is older than the configured benchmark, rather than silently applying it.



Pricing & settlement dashboard

7 gates deal pipeline, derived automatically	**4 commodities** gold, gasoil, sulphur, manganese ore live	**~35%** of world manganese ore output is South African	**100%** of commercial changes captured in the audit log

Advantages for African Mining & Trading Houses

TradeIQ gives brokers and trade-house principals operating across South Africa and the wider continent a single, standalone desk that keeps working even when other systems are unavailable.

OPERATIONAL ADVANTAGES

1. Standalone by design — deals live in TradeIQ, so the desk keeps working even if other services degrade
2. AI-assisted commodity authoring adds new markets as data in days, not months
3. In-app Wingman assistant and command palette speed up daily trading workflows
4. Document intelligence gates analysis per document, keeping spend and risk under control

COMMERCIAL ADVANTAGES

- Consistent, defensible pricing across multi-currency, multi-commodity books
- Enforced settlement order protects supplier payment and release discipline
- Full audit trail supports regulatory, bank and counterparty scrutiny
- A live commodity book view gives instant visibility of open volume and pool per currency

1 African trade & financial hubs

2 Leadership, in the loop

ONE DESK. EVERY DEAL, PRICED RIGHT AND PAID IN ORDER.

Scan to explore TradeIQ online

https://aiasterion.com