

The work of a research desk *that never sleeps.*

EquationDB is a market database and research engine. Ask any market question in plain English or one query language, and get the answer with the evidence, across 70,000 instruments on 70 exchanges, running 24×7.

It replaces the stack of price feeds, overnight batch jobs, notebooks, alerting tools and spreadsheets a desk normally needs, and keeps working after your team goes home.

~70,000

stocks, ETFs and funds on 70 exchanges, plus FX, crypto and indexes

since 1962

312M adjusted price bars; statements point in time from 1985

1,515

event types; 133M+ occurrences, each with what followed

24x7

alerts, tasks, briefs and self-testing research run unattended

WHAT IT IS

A purpose-built market database for people and AI agents. Indicators are **computed as data arrives**, so a whole-market screen returns in milliseconds. Market **events are stored with what followed**, so studies use only what was known on the day. Every answer shows the exact statement that produced it.

BUSINESS VALUE

Faster decisions. An event study, a "why did it move" or a scenario is one statement answered in seconds, not days.

Better-tested ideas. Beliefs graded on decades of history by one fixed rule; edges judged after costs.

Research that keeps itself honest. Every night it re-tests its beliefs and scores its own paper calls, misses included.

Wider coverage, one system. Global equities, funds, FX and crypto with fundamentals, transcripts and themes.

WHAT'S INSIDE

Ask anything	Plain English, one query language or full SQL	Events	1,515 event types, rarity-scored, with what followed
Why it moved	Each driver's share of a move, plus the unexplained part	Backtest	Stops, costs, next-bar fills; same code as live alerts
Simulations	"What if": how a target responded every time before	Series	Any price, statement line or flow as one time series
Symbol pages	Indicators, levels, events, peers, fundamentals for one stock	Taxonomy & themes	Modern 8-level industry tree; 2,300 themes with indexes
Knowledge graph	Suppliers, customers, competitors; shock propagation	Thesis	Belief in plain English → graded verdict; 259 tested theses
Knowledge	Learns nightly; makes and scores its own paper calls	Alpha Lab	Which anomalies survive costs, for Gulf and emerging markets
Earnings calls	Measured, read by AI and quoted; search across companies	Genome · MarketEye	Every formation in a stock's history; live market map
Apps & dashboards	Save any query as an app; link apps on dashboards	Demo library	1,500+ power queries, explained and ready to run; new daily
13 languages	AI analysis and the interface, Arabic included	Always on	Alerts, scheduled tasks and reports, daily brief, AI agents

Figures describe the live product in October 2026; run SHOW DATASETS in the app for current counts. Cost figures are illustrative and rest on the assumptions stated. EquationDB reports historical evidence with its sample size; it does not forecast or promise returns.

TIME AND COST

RECURRING WORK DONE FOR YOU	ASSUMED BY HAND	H / YR
Post-close desk brief	2 h × 250 days	500
Morning screens and alert checks	1 h × 250 days	250
Earnings-call review	100 cos × 4 × 1 h	400
Re-testing a thesis book	259 × 4 / yr × 2 h	2,072
Total	≈ 1.6 analysts	3,222

≈ \$322k a year at \$100/h (\$200k fully loaded ÷ 2,000 h). Illustrative; substitute your own figures.

The 24×7 comparison. A minimal in-house desk to build and run this capability (2 data engineers + 2 quant analysts at an assumed **\$200k each, fully loaded**) costs about **\$0.8M a year** and covers a 40-hour week, 24% of the week's 168 hours. Matching it around the clock takes 4.2× the people: **≈ 17 FTE, ≈ \$3.4M a year**.

Excludes data licences, infrastructure, recruiting, management and turnover, all of which raise the in-house figure. EquationDB does not replace analysts' judgment; it removes the plumbing and the overnight grind.

RISK, SECURITY & GOVERNANCE

- Customer data isolated per firm; credentials hashed; two-factor authentication.
- Encrypted in transit; webhooks signed (HMAC-SHA256).
- Read-only API keys enforced on every statement; one key per agent or system, revocable, with a log of every call.
- Full audit trail of administrative actions.
- Reproducible research: every answer carries its statement and its as-of time.
- AI guardrails: a model interprets the question; a deterministic compiler writes the query; summaries quote only numbers from the results.
- Hosted service, with dedicated and private deployments available.

INTEGRATION IN THREE STEPS

- 1 Sign in and create a key.** Browser app, nothing to install; read-only keys available. Interface and AI analysis in 13 languages, Arabic included.
- 2 Connect.** REST API (query language or SQL), Python SDK, a command-line client, and an MCP server so AI assistants and agents query the database directly.
- 3 Use the results.** CSV or NDJSON exports for spreadsheets and pipelines, a live WebSocket event stream, alerts to the app, webhooks, Slack or Telegram, and shareable apps and dashboards.

No native spreadsheet add-in; spreadsheets connect via CSV export or the API.

COMMERCIAL TERMS

One plan, every feature. No tiers and no feature gates. Usage limits exist only to protect the service, are the same for every firm, and can be raised for yours (for example 20,000 rows per query, 2,000 requests per minute per firm).

Free trial of that same plan for your team. **Pricing on request**, per firm, against the cost of the work it replaces.

PROPOSED NEXT STEP

- 1 30-minute demo** on your own symbols, markets and questions.
- 2 Free trial** for the people who will use it, with success criteria agreed up front (questions answered, hours saved, coverage).
- 3 Decision** at the end of the trial, with a firm-specific quote.

Start a trial or book a demo