

Unauthorised Trading

Enhance your ability to identify risk

Intelligent protection from operational losses and rogue trading incidents

The challenge

In the last two decades, more than 50 rogue trading incidents have amounted to over \$24 billion in losses and millions in fines. Financial institutions still struggle to create a truly holistic view of trader behaviour across systems, products, and controls. Increasingly intricate organisational structures, and advances in technology have only made this issue more complex.

Traders conceal their unauthorised activity by circumventing traditional rule-based detection methods. Institutions must act quickly to identify new risk patterns not previously encountered – an effort hampered by complex derivative variations, cross-border data challenges and globally dispersed investigation teams. Lastly, firms must demonstrate adequate operational risk management for trading functions to auditors and regulators.

BAE Systems proved that the solution would have uncovered a **rogue trading incident** six months prior to actual discovery for a global investment bank

Our approach

BAE Systems NetReveal® Unauthorised Trading identifies risks from seemingly unrelated data and relationships, creating a single integrated view of traders, portfolios, counterparties, and other entities across disparate systems and groups.

With NetReveal Unauthorised Trading solution, financial institutions can:

- **Reduce operational losses** – Uncover risk and exposure through a combination of sophisticated statistical pattern-matching, peer group analysis, and social network analysis with rule-based control indicators as well as machine learning.

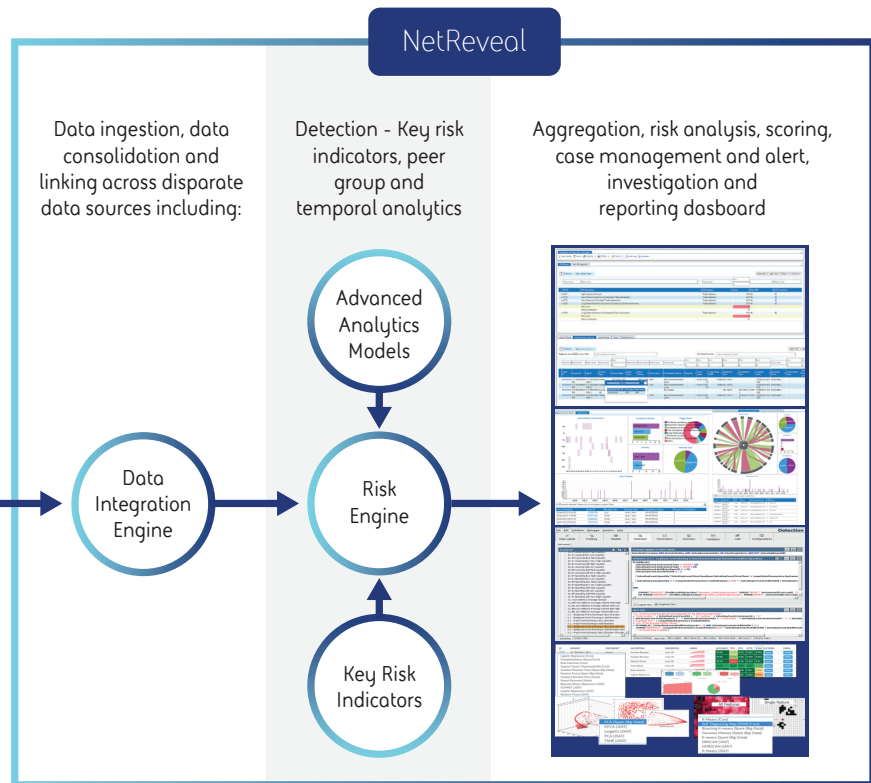
Identify known suspicious patterns, such as inappropriately timed trade bookings, escalating frequency of control exceptions, suspicious P&L, and off-market pricing, as well as unknown patterns, such as peer group outliers and anomalies
- **Halt illicit trading early** – Gain a holistic view of risk, evaluating every individual trader, desk, book or other business entity across functions and over time to quickly spot deviations from normal behaviour. Improves time-to-detection, enabling quicker response to escalating risk before major losses and reputational damage
- **Minimise reputational and compliance risk** – Demonstrate robust oversight and transparency with Key Risk Indicators (KRI) to separate unusual from high-risk behaviour
- **Speed investigation and resolution** – Simplify incident response by empowering analysts with intelligent risk prioritisation, intuitive trade research and exploration tools, and detailed reporting capabilities. Works across geographic boundaries and regulatory jurisdictions.

Additional capabilities

Feature	Benefit
Comprehensive data integration	Enhance the value of existing source systems by ingesting data across all asset classes, unifying diverse data feeds, and aggregating alerts across multiple control structures in a single environment
Advanced, accurate risk detection	Identify new and potentially complex behavioural patterns using our KRI engine to more effectively prioritise risk while reducing the cost and effort in identifying new and existing risk indicators
Holistic view of activity	Consolidate and analyse information from across siloed product lines, trading functions, and systems using dynamic, visual dashboards with embedded analysis tools, without the need for a data warehouse
Intelligent risk scoring	Uncover hidden risks within your organisation, using an aggregated risk score at the trader-level, ranking it against other traders, and generating alerts for activity in excess of a defined risk or ranking thresholds
Flexible, forward looking design	Evolve as trading systems and strategies change with a highly configurable and scalable open platform and the ability to continuously expand the patterns, behaviours, and unusual relationships that can be identified
Streamlined incident response	Prioritise high risk personnel and trades and enable analysts to quickly understand risk indicators discovered, drill-down into the underlying trade data, and produce detailed reports in a single interface
Consistent investigation process	Build a comprehensive analyst workflow with the flexibility to adjust to product variations, cross-border data challenges and globally dispersed investigation teams

NetReveal Unauthorised Trading provides protection from operational losses and rogue trading incidents

- Compliance Alerts
- Human Resources
- IT Security Logs
- Profit and Loss
- Raw Trade Data
- Market Data
- Other Sources



Why choose BAE Systems?

We are an expert provider of market-proven financial crime analytics and risk management solutions to identify emerging threats, reduce exposure, and demonstrate compliance.

Contact Details: Europe: +44 203 296 5900 | Americas: +1 800 234 2175 | Australia: +61 3 8623 4400 | Singapore: +65 6714 2100

BAE Systems, Surrey Research Park, Guildford, Surrey, GU2 7RQ, UK
 E: learn@baesystems.com | W: baesystems.com/ai

[linkedin.com/company/baesystemsai](https://www.linkedin.com/company/baesystemsai)

twitter.com/baesystems_ai

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